

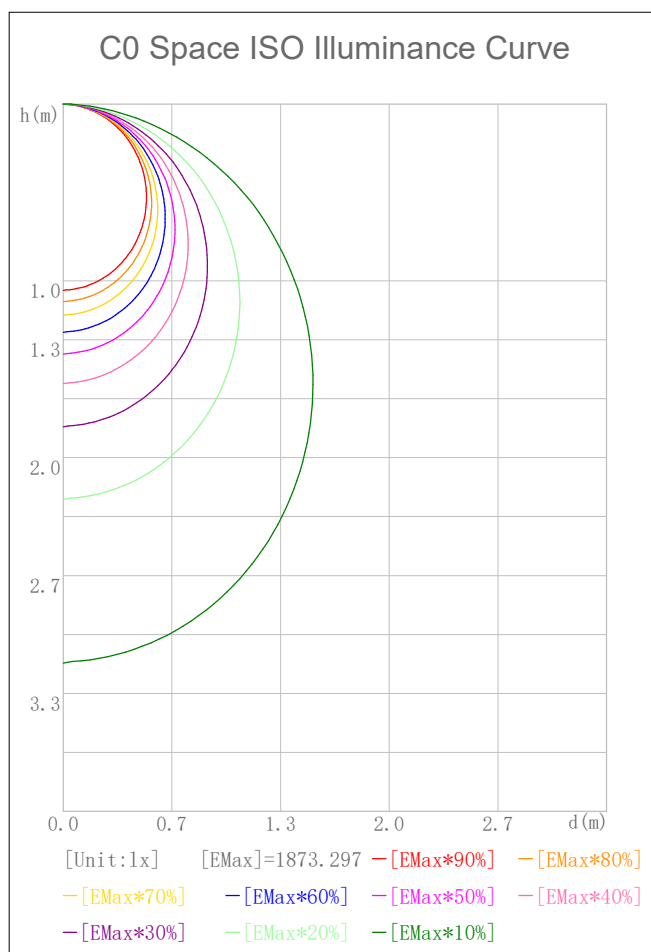
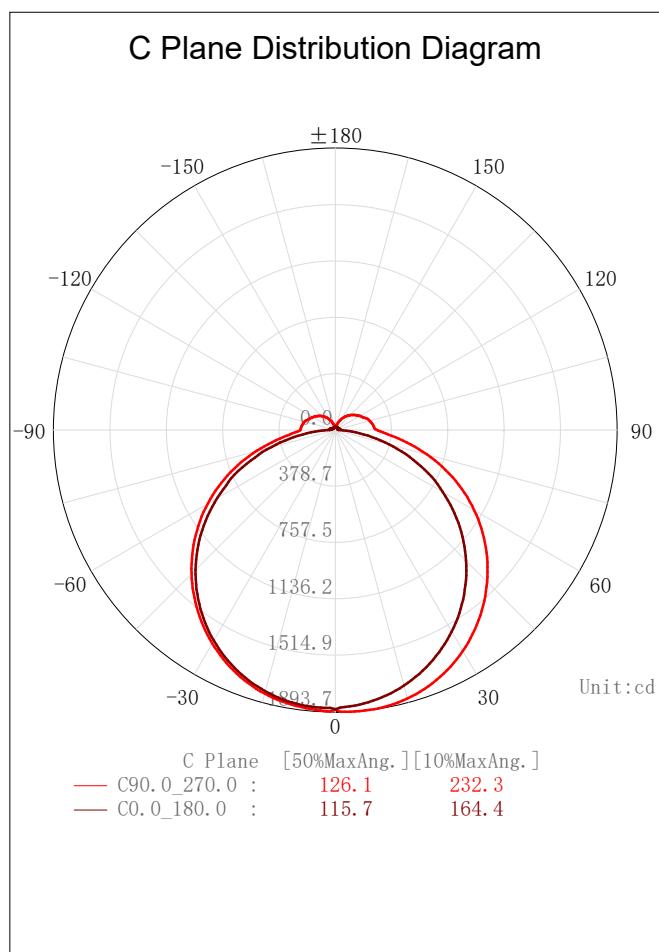
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2020/12/10
Manufacture:	Shld. Ang(°):	Test Machine: GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H): 1.087m*1.500m*0.058m	Lum. Area (m2): 1.717	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25
		Humidity (%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 6737.030	Luminary Flux(lm): 6737.029	Field Angle(10%Imax): 232.3(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 6102.946lm 90.59%	
Rated Voltage(V):	Luminary EER(lm/W): 142.734	Up Lumens&Percent: 634.082lm 9.41%	
Tested Power(W): 47.200	Max. Candela(cd): 1893.669	S/MH: C0_a180=1.268 C90_270=1.331	
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=4.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 230.1, 0.216, 0.950	Beam Angle(50%Imax): 126.1(°)	ErP Φ use(120°): 4500.349lm	
Lamp Size(W*L*H): 1.087m*1.500m*0.058m	Left=-61.4°, Right=64.6°	IRF (%): 105.790	



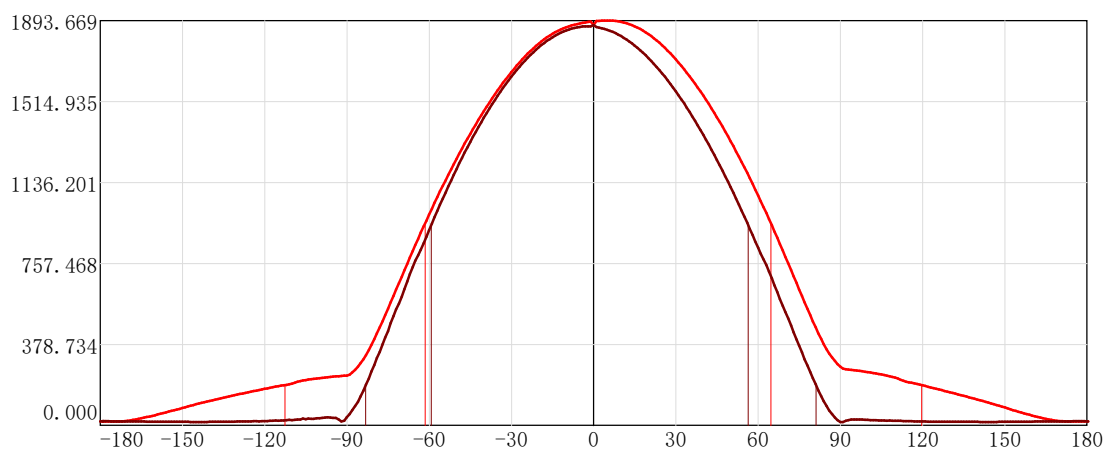
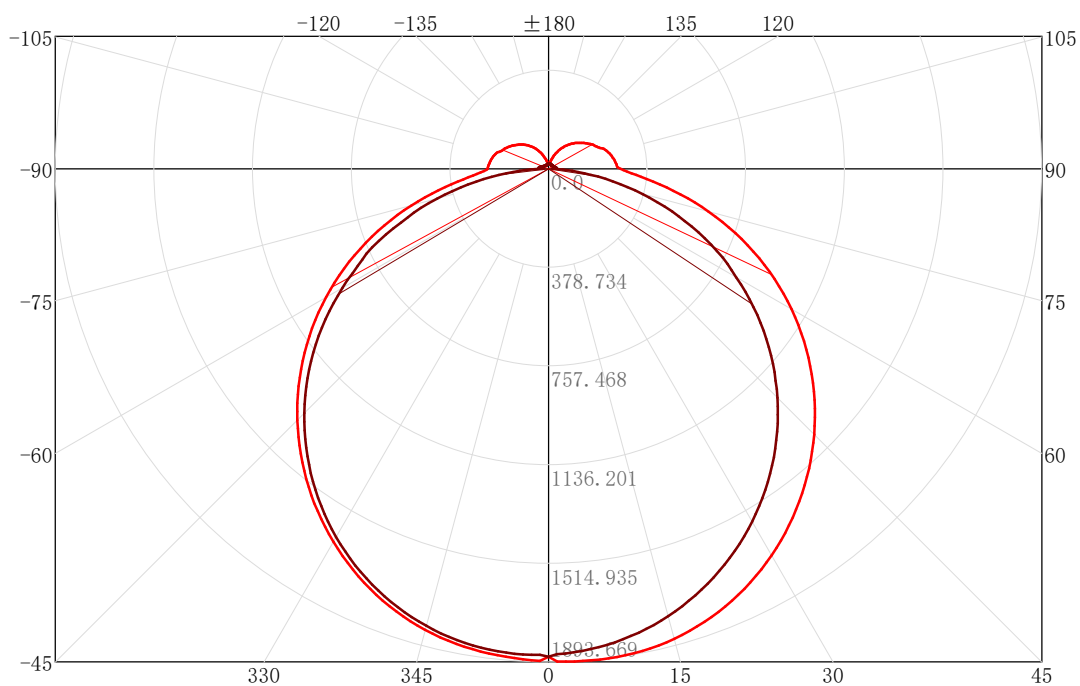
IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

2D Plane Light Intensity Distribution Curve

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

C Plane Distribution Diagram



—	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C90.0_270.0 :	126.1	232.3	
—	C0.0_180.0 :	115.7	164.4	

IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

3D Light Intensity Distribution Modal

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

3D Light Intensity Distribution Modal



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

IES Indoor Report

Photometric Filename:PVS-5FT-50W-EM Helio EM.IES

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.79	1.79	0.03	0.03	47.0-48.0	104.44	104.44	1.55	1.55
1.0-2.0	5.37	7.16	0.08	0.11	48.0-49.0	104.13	208.57	1.55	3.10
2.0-3.0	8.94	16.10	0.13	0.24	49.0-50.0	103.70	312.26	1.54	4.64
3.0-4.0	12.50	28.60	0.19	0.42	50.0-51.0	103.14	415.40	1.53	6.17
4.0-5.0	16.05	44.65	0.24	0.66	51.0-52.0	102.44	517.84	1.52	7.69
5.0-6.0	19.58	64.23	0.29	0.95	52.0-53.0	101.63	619.48	1.51	9.20
6.0-7.0	23.10	87.33	0.34	1.30	53.0-54.0	100.70	720.18	1.49	10.69
7.0-8.0	26.59	113.92	0.39	1.69	54.0-55.0	99.64	819.82	1.48	12.17
8.0-9.0	30.05	143.97	0.45	2.14	55.0-56.0	98.46	918.28	1.46	13.63
9.0-10.0	33.48	177.44	0.50	2.63	56.0-57.0	97.16	1015.44	1.44	15.07
10.0-11.0	36.87	214.31	0.55	3.18	57.0-58.0	95.73	1111.18	1.42	16.49
11.0-12.0	40.22	254.53	0.60	3.78	58.0-59.0	94.18	1205.36	1.40	17.89
12.0-13.0	43.52	298.05	0.65	4.42	59.0-60.0	92.53	1297.89	1.37	19.26
13.0-14.0	46.77	344.82	0.69	5.12	60.0-61.0	90.76	1388.65	1.35	20.61
14.0-15.0	49.98	394.80	0.74	5.86	61.0-62.0	88.90	1477.55	1.32	21.93
15.0-16.0	53.12	447.91	0.79	6.65	62.0-63.0	86.93	1564.48	1.29	23.22
16.0-17.0	56.20	504.11	0.83	7.48	63.0-64.0	84.86	1649.33	1.26	24.48
17.0-18.0	59.21	563.32	0.88	8.36	64.0-65.0	82.73	1732.06	1.23	25.71
18.0-19.0	62.16	625.48	0.92	9.28	65.0-66.0	80.50	1812.56	1.19	26.90
19.0-20.0	65.03	690.50	0.97	10.25	66.0-67.0	78.14	1890.69	1.16	28.06
20.0-21.0	67.82	758.32	1.01	11.26	67.0-68.0	75.67	1966.37	1.12	29.19
21.0-22.0	70.53	828.85	1.05	12.30	68.0-69.0	73.12	2039.49	1.09	30.27
22.0-23.0	73.16	902.01	1.09	13.39	69.0-70.0	70.46	2109.95	1.05	31.32
23.0-24.0	75.70	977.71	1.12	14.51	70.0-71.0	67.72	2177.66	1.01	32.32
24.0-25.0	78.15	1055.87	1.16	15.67	71.0-72.0	64.92	2242.58	0.96	33.29
25.0-26.0	80.51	1136.38	1.20	16.87	72.0-73.0	62.05	2304.63	0.92	34.21
26.0-27.0	82.77	1219.15	1.23	18.10	73.0-74.0	59.11	2363.75	0.88	35.09
27.0-28.0	84.93	1304.09	1.26	19.36	74.0-75.0	56.13	2419.88	0.83	35.92
28.0-29.0	86.99	1391.08	1.29	20.65	75.0-76.0	53.11	2472.98	0.79	36.71
29.0-30.0	88.96	1480.04	1.32	21.97	76.0-77.0	50.05	2523.03	0.74	37.45
30.0-31.0	90.81	1570.84	1.35	23.32	77.0-78.0	46.97	2570.01	0.70	38.15
31.0-32.0	92.55	1663.40	1.37	24.69	78.0-79.0	43.93	2613.93	0.65	38.80
32.0-33.0	94.19	1757.59	1.40	26.09	79.0-80.0	40.89	2654.83	0.61	39.41
33.0-34.0	95.71	1853.29	1.42	27.51	80.0-81.0	37.89	2692.72	0.56	39.97
34.0-35.0	97.11	1950.40	1.44	28.95	81.0-82.0	34.95	2727.66	0.52	40.49
35.0-36.0	98.40	2048.81	1.46	30.41	82.0-83.0	32.09	2759.75	0.48	40.96
36.0-37.0	99.58	2148.39	1.48	31.89	83.0-84.0	29.37	2789.12	0.44	41.40
37.0-38.0	100.64	2249.03	1.49	33.38	84.0-85.0	26.82	2815.94	0.40	41.80
38.0-39.0	101.57	2350.60	1.51	34.89	85.0-86.0	24.51	2840.45	0.36	42.16
39.0-40.0	102.38	2452.99	1.52	36.41	86.0-87.0	22.47	2862.91	0.33	42.50
40.0-41.0	103.08	2556.06	1.53	37.94	87.0-88.0	20.70	2883.61	0.31	42.80
41.0-42.0	103.64	2659.70	1.54	39.48	88.0-89.0	19.20	2902.81	0.28	43.09
42.0-43.0	104.09	2763.79	1.55	41.02	89.0-90.0	18.03	2920.83	0.27	43.35
43.0-44.0	104.41	2868.21	1.55	42.57	90.0-91.0	17.25	2938.09	0.26	43.61
44.0-45.0	104.61	2972.82	1.55	44.13	91.0-92.0	16.89	2954.98	0.25	43.86
45.0-46.0	104.67	3077.49	1.55	45.68	92.0-93.0	16.81	2971.79	0.25	44.11
46.0-47.0	104.62	3182.11	1.55	47.23	93.0-94.0	16.79	2988.58	0.25	44.36

IES Indoor Report

Photometric Filename:PVS-5FT-50W-EM Helio EM.IES

Zonal Flux Tabulation - (Cont.)

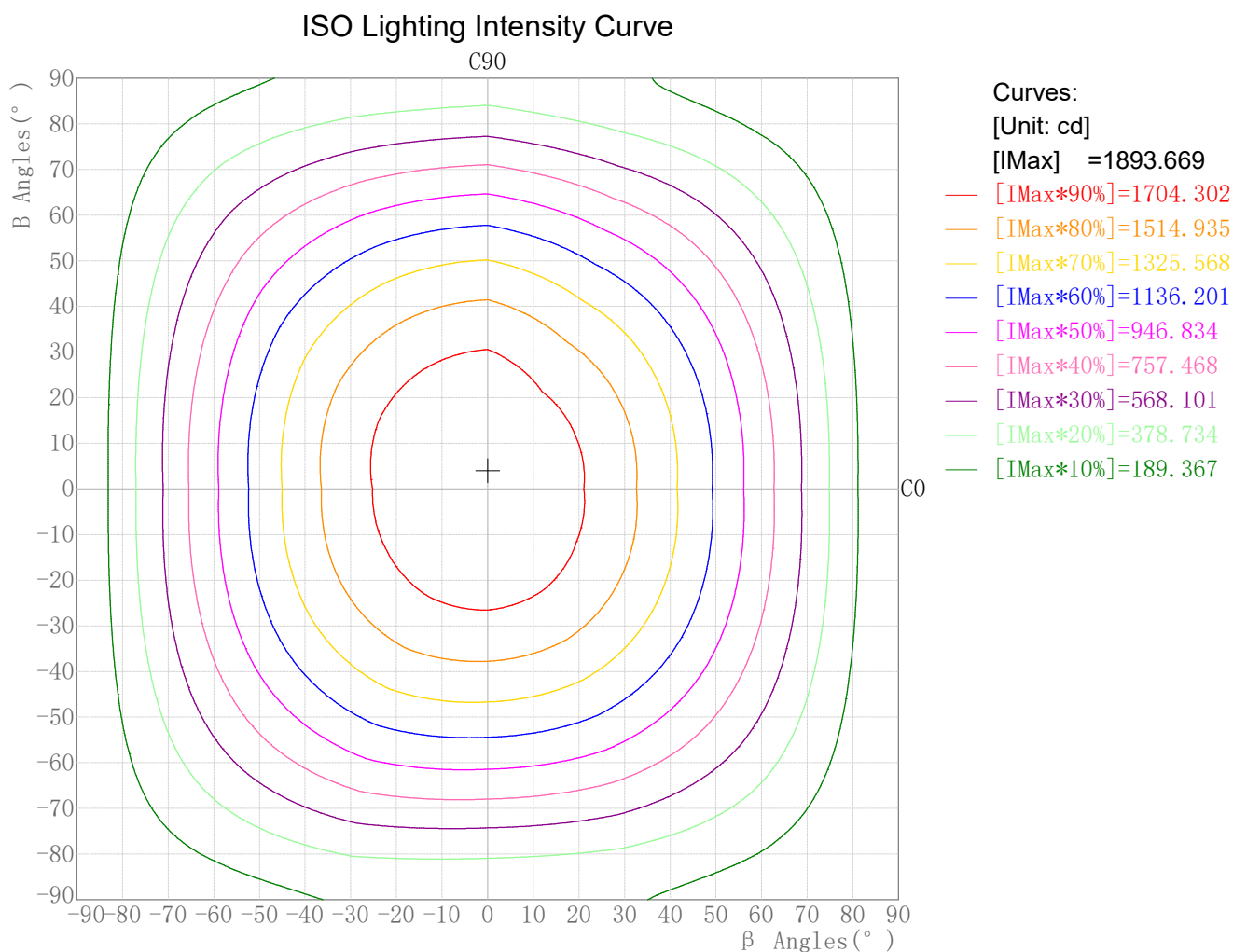
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	16.71	16.71	0.25	0.25	141.0-142.0	4.34	4.34	0.06	0.06
95.0-96.0	16.59	33.30	0.25	0.49	142.0-143.0	4.10	8.44	0.06	0.13
96.0-97.0	16.46	49.76	0.24	0.74	143.0-144.0	3.87	12.31	0.06	0.18
97.0-98.0	16.31	66.08	0.24	0.98	144.0-145.0	3.65	15.96	0.05	0.24
98.0-99.0	16.14	82.21	0.24	1.22	145.0-146.0	3.43	19.38	0.05	0.29
99.0-100.0	15.95	98.16	0.24	1.46	146.0-147.0	3.21	22.60	0.05	0.34
100.0-101.0	15.76	113.92	0.23	1.69	147.0-148.0	3.01	25.61	0.04	0.38
101.0-102.0	15.55	129.47	0.23	1.92	148.0-149.0	2.81	28.42	0.04	0.42
102.0-103.0	15.33	144.80	0.23	2.15	149.0-150.0	2.62	31.04	0.04	0.46
103.0-104.0	15.12	159.92	0.22	2.37	150.0-151.0	2.44	33.48	0.04	0.50
104.0-105.0	14.86	174.78	0.22	2.59	151.0-152.0	2.27	35.75	0.03	0.53
105.0-106.0	14.57	189.34	0.22	2.81	152.0-153.0	2.10	37.85	0.03	0.56
106.0-107.0	14.21	203.55	0.21	3.02	153.0-154.0	1.95	39.80	0.03	0.59
107.0-108.0	13.82	217.37	0.21	3.23	154.0-155.0	1.80	41.61	0.03	0.62
108.0-109.0	13.42	230.80	0.20	3.43	155.0-156.0	1.66	43.27	0.02	0.64
109.0-110.0	13.01	243.81	0.19	3.62	156.0-157.0	1.53	44.80	0.02	0.67
110.0-111.0	12.68	256.49	0.19	3.81	157.0-158.0	1.40	46.21	0.02	0.69
111.0-112.0	12.39	268.89	0.18	3.99	158.0-159.0	1.28	47.49	0.02	0.70
112.0-113.0	12.10	280.99	0.18	4.17	159.0-160.0	1.17	48.66	0.02	0.72
113.0-114.0	11.82	292.81	0.18	4.35	160.0-161.0	1.06	49.73	0.02	0.74
114.0-115.0	11.53	304.34	0.17	4.52	161.0-162.0	0.96	50.69	0.01	0.75
115.0-116.0	11.26	315.60	0.17	4.68	162.0-163.0	0.87	51.56	0.01	0.77
116.0-117.0	11.00	326.59	0.16	4.85	163.0-164.0	0.78	52.35	0.01	0.78
117.0-118.0	10.73	337.32	0.16	5.01	164.0-165.0	0.70	53.05	0.01	0.79
118.0-119.0	10.47	347.79	0.16	5.16	165.0-166.0	0.63	53.68	0.01	0.80
119.0-120.0	10.20	358.00	0.15	5.31	166.0-167.0	0.56	54.24	0.01	0.81
120.0-121.0	9.93	367.93	0.15	5.46	167.0-168.0	0.50	54.74	0.01	0.81
121.0-122.0	9.65	377.59	0.14	5.60	168.0-169.0	0.45	55.19	0.01	0.82
122.0-123.0	9.37	386.96	0.14	5.74	169.0-170.0	0.40	55.58	0.01	0.83
123.0-124.0	9.10	396.06	0.14	5.88	170.0-171.0	0.35	55.93	0.01	0.83
124.0-125.0	8.82	404.88	0.13	6.01	171.0-172.0	0.31	56.24	0.00	0.83
125.0-126.0	8.54	413.41	0.13	6.14	172.0-173.0	0.27	56.52	0.00	0.84
126.0-127.0	8.25	421.66	0.12	6.26	173.0-174.0	0.24	56.75	0.00	0.84
127.0-128.0	7.96	429.62	0.12	6.38	174.0-175.0	0.20	56.95	0.00	0.85
128.0-129.0	7.68	437.29	0.11	6.49	175.0-176.0	0.17	57.12	0.00	0.85
129.0-130.0	7.40	444.69	0.11	6.60	176.0-177.0	0.13	57.25	0.00	0.85
130.0-131.0	7.13	451.83	0.11	6.71	177.0-178.0	0.09	57.35	0.00	0.85
131.0-132.0	6.86	458.69	0.10	6.81	178.0-179.0	0.06	57.40	0.00	0.85
132.0-133.0	6.60	465.29	0.10	6.91	179.0-180.0	0.02	57.42	0.00	0.85
133.0-134.0	6.34	471.63	0.09	7.00					
134.0-135.0	6.09	477.71	0.09	7.09					
135.0-136.0	5.83	483.55	0.09	7.18					
136.0-137.0	5.58	489.13	0.08	7.26					
137.0-138.0	5.33	494.45	0.08	7.34					
138.0-139.0	5.07	499.52	0.08	7.41					
139.0-140.0	4.82	504.34	0.07	7.49					
140.0-141.0	4.58	508.92	0.07	7.55					

IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Rectangle ISO Lighting Intensity Diagram

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10



Maximum Light Intensity(cd): 1893.67
Maximum Cand.@Angle: H=0.0°,V=4.0°

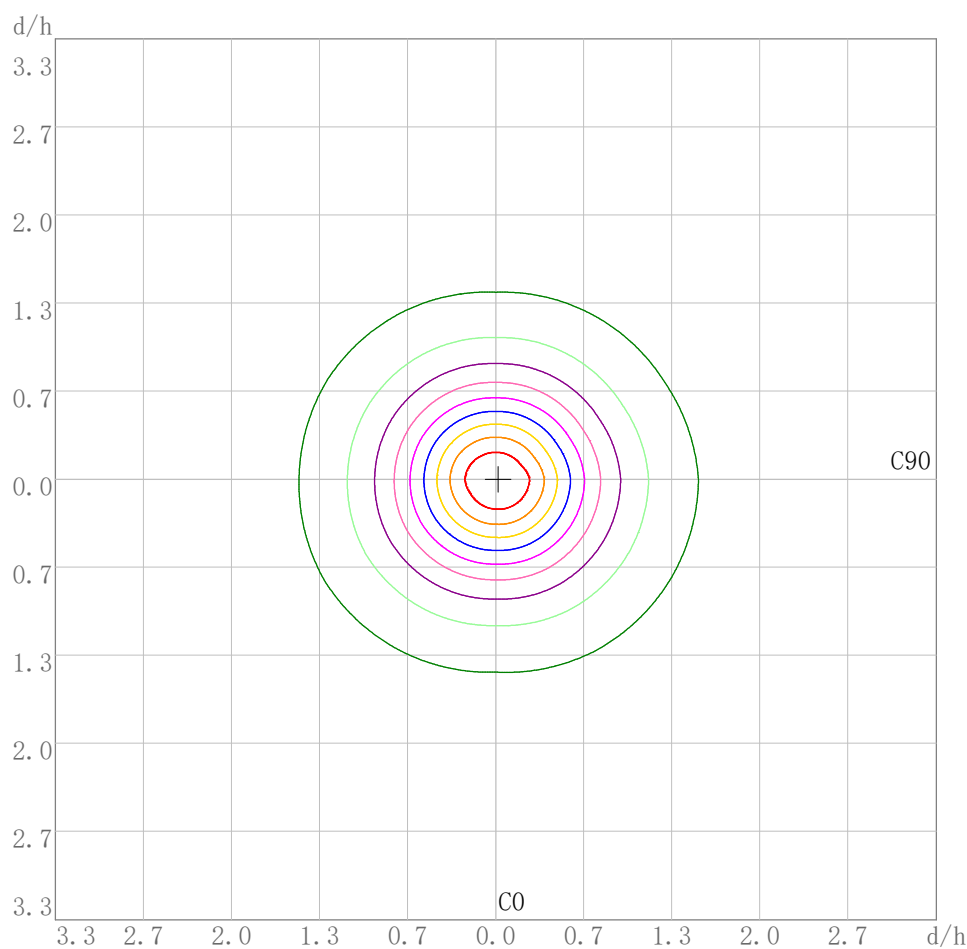
IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Plane ISO-Illuminance Diagram

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

Plane ISO-Illuminance Curve



- Curves:
unit:lx
[EMax] =210.113
- [EMax*90%]=189.102
 - [EMax*80%]=168.091
 - [EMax*70%]=147.079
 - [EMax*60%]=126.068
 - [EMax*50%]=105.057
 - [EMax*40%]=84.045
 - [EMax*30%]=63.034
 - [EMax*20%]=42.023
 - [EMax*10%]=21.011

Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 210.11
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

3D Plane ISO Illuminance Diagram

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

3D Plane Illuminance Modal



Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

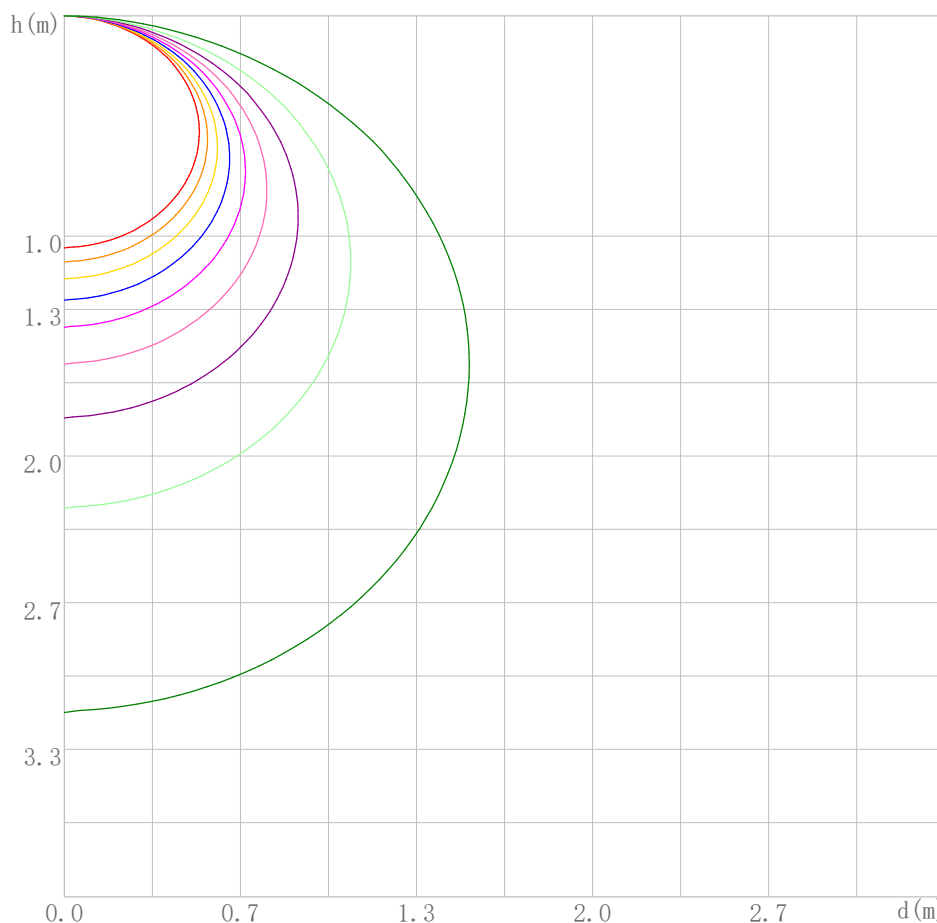
IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Space ISO Illuminance Diagram

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

Space ISO Illuminance Curve



- Curves:
[Unit: lx]
[EMax] = 1873.297
- [EMax*90%]=1685.967
 - [EMax*80%]=1498.638
 - [EMax*70%]=1311.308
 - [EMax*60%]=1123.978
 - [EMax*50%]=936.648
 - [EMax*40%]=749.319
 - [EMax*30%]=561.989
 - [EMax*20%]=374.659
 - [EMax*10%]=187.330

Space Plane Maximum Illuminance and @Angle: 1873.30lx, 0.0deg
Plane Maximum Lighting Intensity and @Angle: 1873.297cd, 0deg

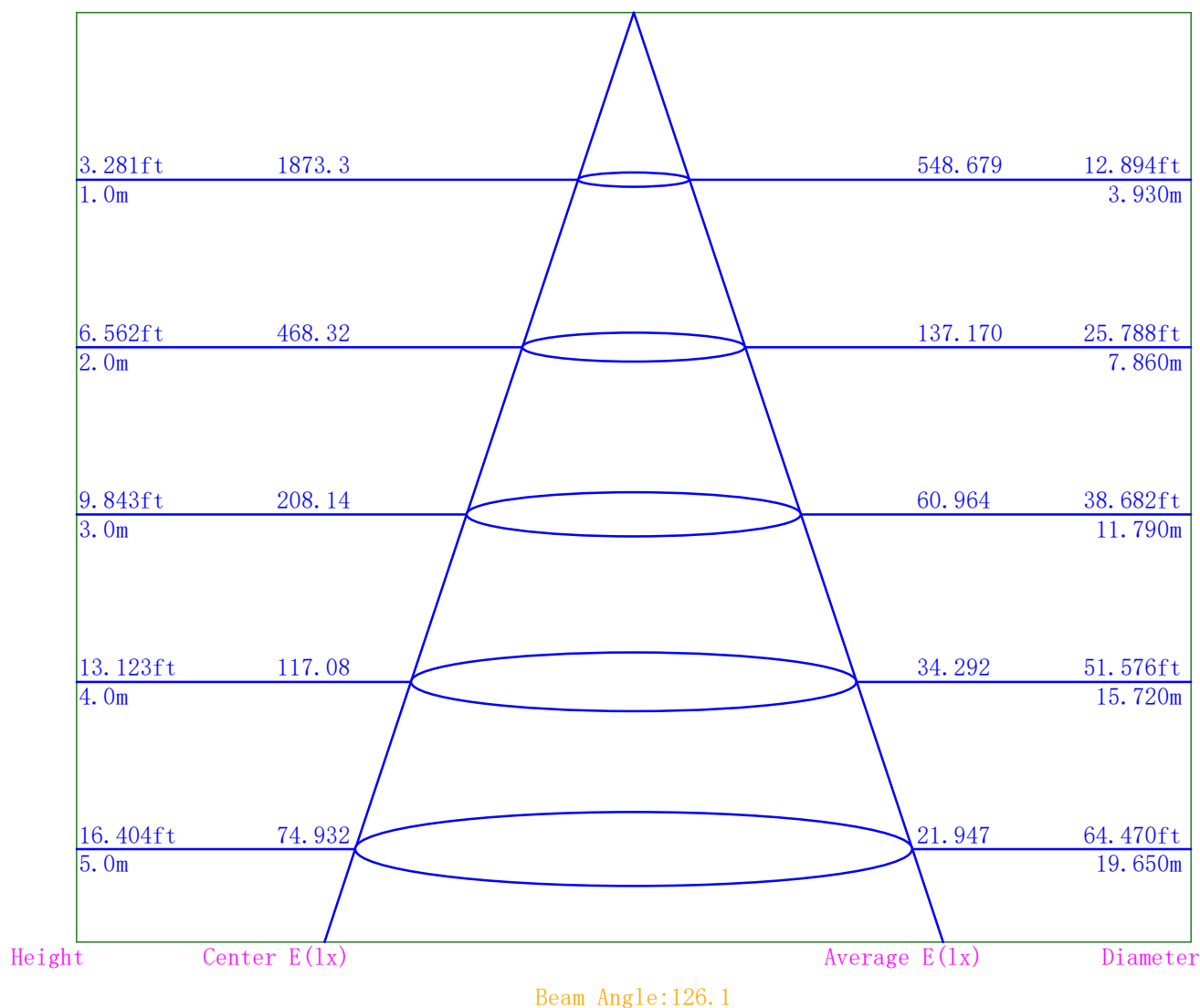
IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Illuminance-Distance Diagram

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Indoor Luminance Limiting Curves

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

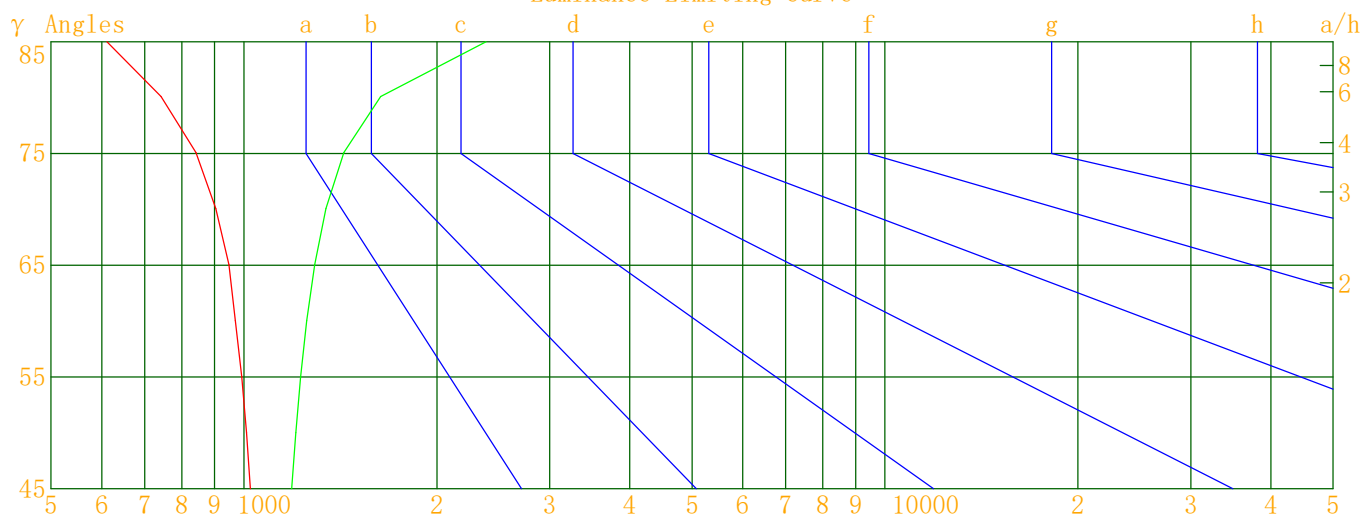
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	1023	1010	992	969	948	904	842	743	611
C90	1187	1204	1226	1254	1290	1342	1432	1633	2384

Luminance Limiting Curve



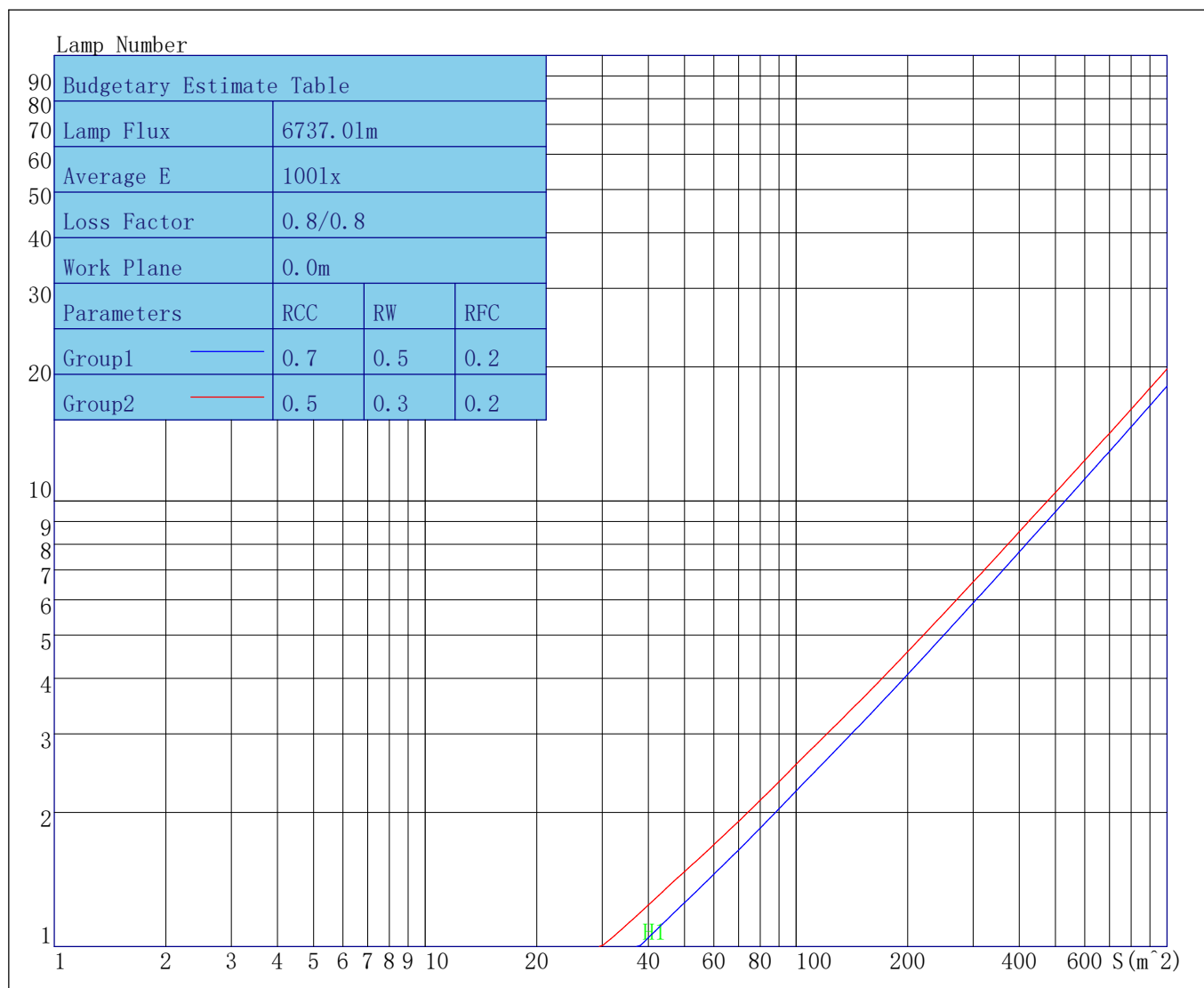
Luminous Size: Length(m)=1.500 Width(m)=1.087 Height(m)=0.058 Area(m²)=1.717500
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Indoor Budgetary Estimate Table

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

IES Indoor Report

Photometric Filename: PVS-5FT-50W-EM Helio EM.IES

Indoor Coefficient of Utilization Table

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/12/10

Coefficients of Utilization - Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization (%)																	
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	105	100	95	91	102	97	93	89	91	87	84	85	82	80	80	78	76	73
2	95	86	79	73	92	84	77	71	79	73	68	74	69	65	69	66	62	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	54	61	56	52	50
4	79	66	57	50	76	64	56	49	61	53	48	57	51	46	54	49	44	42
5	72	59	50	43	69	57	49	42	54	47	41	51	45	40	48	43	38	36
6	67	53	44	37	64	52	43	37	49	41	36	46	40	35	44	38	34	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	40	34	30	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	37	31	26	24
9	53	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	22	20

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Unified Glare Rating Table

Lum. Name: 黑色三防灯扩光应急1.5M50W420颗HL D46	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/12/10

Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Room Size	Vewed crosswise					Vewed endwise					
X=2H	Y=2H	7.7	9.2	6.9	8.1	8.6	8.8	10.2	7.9	9.2	9.6
	Y=3H	9.5	10.8	8.7	9.9	10.4	10.9	12.2	10.2	11.3	11.8
	Y=4H	10.2	11.4	9.5	10.6	11.1	12.0	13.2	11.3	12.4	12.9
	Y=6H	10.7	11.9	10.2	11.2	11.7	13.0	14.1	12.4	13.5	14.0
	Y=8H	10.9	12.0	10.4	11.4	11.9	13.5	14.6	13.0	14.0	14.5
	Y=12H	11.0	12.0	10.5	11.5	12.0	14.0	15.1	13.6	14.5	15.1
X=4H	Y=2H	7.6	8.8	7.0	8.1	8.6	8.6	9.8	7.9	9.0	9.5
	Y=3H	9.4	10.5	9.0	9.9	10.5	10.8	11.8	10.3	11.3	11.8
	Y=4H	10.3	11.2	9.9	10.8	11.4	11.9	12.9	11.6	12.4	13.0
	Y=6H	11.0	11.8	10.8	11.5	12.1	13.1	14.0	12.9	13.7	14.3
	Y=8H	11.2	12.0	11.1	11.8	12.4	13.8	14.5	13.7	14.4	15.0
	Y=12H	11.4	12.1	11.4	12.0	12.6	14.5	15.2	14.5	15.1	15.7
X=8H	Y=4H	12.1	12.8	12.0	12.7	13.3	13.6	14.4	13.5	14.2	14.8
	Y=6H	12.7	13.3	12.8	13.3	14.0	14.8	15.4	14.8	15.4	16.0
	Y=8H	13.0	13.5	13.1	13.6	14.3	15.4	15.9	15.5	16.0	16.7
	Y=12H	13.2	13.7	13.4	13.8	14.5	16.2	16.6	16.3	16.8	17.5
X=12H	Y=4H	12.3	13.0	12.3	12.9	13.6	13.7	14.4	13.7	14.3	14.9
	Y=6H	13.1	13.6	13.2	13.7	14.4	15.0	15.5	15.1	15.6	16.3
	Y=8H	13.4	13.9	13.6	14.0	14.7	15.7	16.2	15.9	16.3	17.0
Variations with the objerver position at spacings											
S=1.0H	0.6/-0.6					0.6/-0.7					
S=1.5H	1.2/-1.2					1.1/-1.2					
S=2.0H	1.3/-1.2					0.9/-0.9					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	3.9					4.8					

le is calculated according to the document STD.CIE 117-1995

IES Indoor Report

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Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30	1873.30
γ 1.0	1863.72	1859.64	1857.11	1891.89	1879.07	1871.29	1866.24	1861.24	1857.40	1889.26	1876.21	1868.19
γ 2.0	1861.46	1857.88	1856.51	1892.81	1880.18	1872.30	1866.71	1861.14	1856.58	1887.44	1873.99	1865.77
γ 3.0	1858.43	1855.44	1855.62	1893.21	1880.61	1872.66	1866.68	1860.73	1855.69	1885.31	1871.55	1862.70
γ 4.0	1854.97	1852.39	1854.02	1893.67	1880.75	1872.42	1865.98	1859.70	1854.42	1882.67	1869.03	1858.98
γ 5.0	1850.84	1849.25	1852.26	1893.64	1880.57	1871.74	1864.43	1857.99	1852.75	1880.17	1865.84	1854.93
γ 6.0	1846.14	1845.44	1850.04	1893.63	1880.09	1870.59	1862.44	1856.03	1850.79	1877.33	1862.44	1850.26
γ 7.0	1840.75	1841.02	1847.31	1893.04	1879.32	1869.07	1859.59	1853.28	1848.40	1874.16	1858.69	1845.24
γ 8.0	1834.79	1836.11	1844.01	1892.15	1878.15	1866.86	1856.18	1850.19	1845.48	1870.84	1854.77	1839.83
γ 9.0	1828.20	1830.71	1839.88	1890.35	1876.38	1864.10	1852.44	1846.43	1842.31	1866.86	1850.27	1833.69
γ 10.0	1821.17	1824.72	1835.49	1887.99	1874.02	1860.68	1847.79	1842.05	1838.78	1862.64	1845.34	1827.26
γ 11.0	1813.49	1818.19	1830.20	1885.07	1870.77	1856.93	1842.91	1837.10	1834.75	1857.59	1839.97	1820.32
γ 12.0	1805.35	1810.83	1824.44	1881.47	1867.15	1852.41	1836.91	1831.44	1830.56	1852.06	1834.22	1812.88
γ 13.0	1796.59	1803.18	1817.88	1877.67	1862.60	1847.59	1830.71	1825.56	1825.53	1845.77	1828.12	1804.63
γ 14.0	1787.10	1795.11	1810.72	1872.84	1857.67	1842.34	1823.60	1819.09	1820.76	1839.03	1821.13	1796.44
γ 15.0	1776.86	1786.31	1803.09	1867.32	1852.24	1836.22	1816.01	1812.10	1814.86	1831.72	1813.54	1787.57
γ 16.0	1766.22	1777.06	1794.70	1861.23	1845.99	1829.56	1807.47	1804.70	1808.60	1823.93	1805.21	1778.31
γ 17.0	1755.07	1767.15	1786.11	1854.41	1839.21	1822.31	1798.66	1796.65	1801.61	1815.59	1796.55	1768.48
γ 18.0	1743.35	1756.67	1776.80	1846.90	1831.76	1814.14	1789.44	1788.23	1794.03	1806.26	1787.02	1758.16
γ 19.0	1731.28	1745.62	1767.05	1838.95	1823.81	1805.55	1779.59	1778.91	1786.10	1796.42	1777.34	1747.24
γ 20.0	1718.63	1733.95	1756.36	1830.18	1815.00	1796.61	1769.23	1769.35	1777.43	1786.07	1767.00	1735.74
γ 21.0	1705.36	1721.73	1745.14	1821.33	1805.56	1786.90	1757.87	1759.48	1768.19	1775.16	1755.98	1723.85
γ 22.0	1691.44	1709.15	1733.48	1811.60	1795.80	1776.83	1746.03	1748.83	1758.41	1763.46	1744.53	1711.44
γ 23.0	1677.15	1696.06	1721.18	1801.13	1785.40	1766.08	1733.57	1737.78	1748.15	1751.61	1732.37	1698.71
γ 24.0	1662.24	1682.37	1708.54	1790.09	1774.53	1754.74	1720.57	1726.08	1737.08	1738.84	1719.71	1685.23
γ 25.0	1647.07	1668.46	1695.32	1778.42	1763.02	1742.60	1707.19	1713.88	1725.84	1725.76	1706.43	1671.51
γ 26.0	1631.17	1653.79	1681.87	1766.37	1750.88	1729.85	1693.34	1701.14	1713.72	1712.28	1692.73	1657.00
γ 27.0	1615.04	1638.56	1667.57	1753.63	1738.06	1716.81	1678.43	1687.93	1700.79	1698.08	1678.57	1642.17
γ 28.0	1598.00	1622.77	1652.64	1740.41	1724.72	1702.93	1663.41	1673.85	1687.51	1683.51	1663.98	1626.75
γ 29.0	1580.76	1606.68	1637.47	1726.86	1710.74	1688.87	1647.80	1659.70	1673.91	1668.33	1648.98	1610.95
γ 30.0	1563.18	1590.06	1621.81	1712.62	1696.42	1674.19	1631.69	1644.85	1659.78	1652.42	1633.38	1594.39
γ 31.0	1544.76	1572.69	1605.76	1697.94	1681.75	1658.98	1614.73	1629.38	1645.31	1636.31	1617.37	1577.58
γ 32.0	1526.12	1555.44	1589.09	1682.82	1666.40	1643.35	1597.39	1613.66	1630.07	1619.59	1600.84	1560.51
γ 33.0	1506.75	1537.44	1571.94	1666.72	1650.67	1626.77	1579.39	1597.49	1614.26	1602.52	1583.49	1542.60
γ 34.0	1487.20	1519.04	1554.23	1650.39	1634.19	1609.75	1560.99	1580.17	1597.95	1585.14	1565.79	1524.57
γ 35.0	1467.13	1500.03	1536.34	1633.75	1617.37	1592.35	1542.26	1562.76	1581.05	1567.22	1548.01	1505.94
γ 36.0	1446.56	1480.76	1517.94	1616.44	1599.88	1574.31	1522.85	1544.63	1563.87	1548.96	1529.63	1486.92
γ 37.0	1425.74	1460.97	1499.27	1598.64	1582.08	1555.92	1503.24	1526.17	1546.28	1529.96	1510.90	1467.31
γ 38.0	1404.29	1440.63	1479.88	1580.68	1563.81	1537.15	1482.76	1507.43	1528.15	1510.56	1491.79	1447.29
γ 39.0	1382.06	1419.82	1459.82	1562.28	1545.11	1517.89	1461.57	1487.94	1509.61	1490.78	1471.97	1426.83
γ 40.0	1359.78	1398.67	1439.68	1543.34	1525.77	1498.00	1439.99	1468.05	1490.51	1470.47	1451.81	1406.03
γ 41.0	1337.13	1377.04	1419.08	1523.90	1506.22	1477.54	1417.90	1447.74	1470.96	1449.87	1431.10	1384.74
γ 42.0	1314.16	1354.96	1398.25	1503.98	1486.17	1456.40	1395.61	1426.54	1450.89	1428.97	1410.24	1362.90
γ 43.0	1290.78	1332.70	1377.04	1483.53	1465.66	1434.93	1372.77	1405.17	1430.45	1407.54	1388.99	1340.94
γ 44.0	1266.91	1310.06	1355.33	1462.56	1444.73	1413.16	1349.71	1383.19	1409.71	1386.01	1367.36	1318.55
γ 45.0	1242.33	1286.79	1333.02	1441.63	1422.94	1390.78	1325.69	1360.97	1388.45	1363.66	1345.30	1295.54
γ 46.0	1217.41	1263.08	1310.39	1420.01	1400.90	1368.05	1301.07	1338.18	1366.62	1341.20	1322.69	1272.17

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 47.0	1192.13	1239.13	1287.39	1398.06	1378.65	1344.90	1276.33	1314.99	1344.56	1318.36	1299.84	1248.43
γ 48.0	1166.83	1214.53	1263.86	1375.69	1356.03	1321.09	1251.06	1291.27	1322.31	1294.85	1276.67	1224.41
γ 49.0	1140.96	1189.54	1240.24	1352.92	1333.05	1297.04	1225.34	1267.26	1299.58	1270.98	1253.07	1199.80
γ 50.0	1114.70	1164.40	1216.33	1329.64	1309.48	1272.39	1199.13	1242.68	1276.12	1246.89	1229.06	1174.97
γ 51.0	1087.80	1138.87	1191.74	1306.19	1285.40	1247.36	1172.67	1217.69	1252.20	1222.27	1204.69	1149.66
γ 52.0	1060.76	1112.90	1166.81	1281.87	1260.76	1221.85	1145.47	1192.11	1228.07	1197.56	1179.81	1124.25
γ 53.0	1033.32	1086.53	1141.71	1257.69	1235.94	1195.84	1118.10	1166.22	1203.56	1172.41	1154.97	1098.19
γ 54.0	1005.64	1059.74	1116.30	1232.78	1210.87	1169.59	1090.22	1139.96	1178.69	1146.93	1129.60	1071.77
γ 55.0	977.52	1032.56	1090.40	1207.69	1185.27	1142.69	1061.91	1113.37	1153.41	1121.00	1103.94	1044.93
γ 56.0	948.92	1005.10	1064.01	1182.29	1159.40	1115.67	1033.10	1086.18	1127.91	1095.04	1077.86	1018.04
γ 57.0	919.82	977.23	1037.44	1156.61	1133.07	1088.10	1003.81	1058.81	1101.87	1068.25	1051.26	990.56
γ 58.0	890.52	949.40	1010.27	1130.09	1106.11	1060.16	974.07	1030.72	1075.32	1041.30	1024.24	962.85
γ 59.0	861.12	921.06	982.92	1103.61	1079.03	1031.47	944.03	1002.38	1048.45	1014.05	997.11	934.96
γ 60.0	832.21	892.26	955.59	1076.51	1051.58	1002.57	913.65	973.34	1021.63	986.61	969.71	906.54
γ 61.0	804.21	863.33	927.68	1049.05	1023.72	973.10	883.22	944.18	994.24	958.68	941.89	877.73
γ 62.0	777.32	833.93	899.44	1021.31	995.61	943.47	852.19	914.81	966.33	930.55	913.89	848.79
γ 63.0	749.86	804.28	870.72	993.35	966.91	913.41	821.42	884.95	938.21	902.08	885.31	819.43
γ 64.0	719.70	775.08	841.63	965.04	937.78	883.02	796.22	854.65	909.28	873.36	856.46	790.17
γ 65.0	688.15	748.27	812.66	936.43	908.59	852.46	771.44	824.75	880.63	844.34	827.44	761.72
γ 66.0	656.42	719.84	783.34	907.18	879.19	821.20	740.86	795.73	851.56	815.11	798.26	734.90
γ 67.0	624.23	688.96	753.74	878.04	849.41	791.29	707.65	766.47	822.17	785.49	768.75	707.25
γ 68.0	591.87	658.16	723.96	848.43	819.38	762.15	673.54	739.18	792.74	756.17	739.05	677.96
γ 69.0	560.03	626.80	693.87	818.58	788.76	734.84	637.90	711.01	762.74	726.18	709.02	646.96
γ 70.0	531.01	595.26	663.62	788.59	757.85	704.77	602.86	679.17	732.26	696.41	678.98	615.83
γ 71.0	501.27	564.17	633.52	758.37	727.11	672.22	570.21	646.40	702.11	666.37	648.97	584.45
γ 72.0	468.42	534.77	603.36	728.03	696.27	639.09	543.81	613.37	671.44	636.14	618.78	553.48
γ 73.0	435.45	504.12	573.26	697.49	665.28	606.23	512.18	580.42	640.95	605.98	588.71	522.55
γ 74.0	403.23	472.13	543.25	667.07	634.32	574.27	478.32	549.33	610.24	576.07	558.54	493.45
γ 75.0	374.18	440.28	513.44	636.47	603.23	543.70	442.34	518.79	579.31	546.22	528.29	461.60
γ 76.0	342.16	410.51	483.75	606.02	572.06	511.65	411.63	486.35	548.57	516.55	498.31	430.29
γ 77.0	309.92	379.87	454.54	575.79	541.26	477.78	380.08	453.14	518.01	487.33	468.99	400.45
γ 78.0	281.26	349.75	425.97	545.90	510.89	445.83	344.38	420.22	488.57	458.83	440.18	370.81
γ 79.0	249.95	319.91	398.15	516.28	480.95	415.62	315.95	388.99	458.98	430.63	411.75	341.14
γ 80.0	221.49	290.89	371.12	487.17	451.40	383.34	282.59	356.34	429.29	403.64	384.15	312.65
γ 81.0	192.44	262.81	345.08	458.99	422.67	353.41	252.43	326.62	400.07	377.37	357.12	284.71
γ 82.0	164.38	235.74	320.31	431.25	394.74	322.98	220.47	296.11	371.56	352.55	331.58	257.72
γ 83.0	138.18	209.78	297.64	405.01	368.27	293.42	192.27	265.93	344.49	329.31	307.51	231.42
γ 84.0	113.80	185.77	277.30	379.95	343.36	264.67	163.66	237.01	318.50	309.30	285.29	206.95
γ 85.0	91.48	164.35	260.20	356.93	320.18	237.12	136.38	208.99	293.77	291.61	265.96	184.56
γ 86.0	71.07	146.02	244.74	337.47	300.66	212.44	111.40	183.31	271.49	275.47	249.59	164.97
γ 87.0	53.75	131.76	231.16	319.14	283.07	191.11	90.57	160.76	252.06	260.67	234.66	148.76
γ 88.0	37.68	120.88	220.01	302.66	267.15	173.14	71.49	141.81	235.51	248.15	221.48	136.49
γ 89.0	25.03	113.08	212.18	287.95	253.40	158.93	53.62	126.56	220.89	237.87	210.61	126.22
γ 90.0	16.35	108.60	209.73	275.90	242.55	146.85	38.40	116.22	208.07	233.79	203.36	119.85
γ 91.0	16.51	107.80	208.50	266.58	235.61	139.24	22.75	107.93	198.02	232.92	202.22	118.69
γ 92.0	22.58	106.44	207.31	263.54	234.12	138.07	19.79	104.85	192.52	231.90	201.51	117.98
γ 93.0	25.98	104.89	205.85	262.15	232.60	136.92	28.79	104.37	191.71	230.90	200.63	117.26

IES Indoor Report

Photometric Filename:PVS-5FT-50W-EM Helio EM.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 94.0	27.71	103.99	204.45	260.60	231.19	135.60	35.82	103.43	191.03	229.84	199.75	116.35
γ 95.0	28.33	103.09	202.87	259.07	229.65	134.30	36.01	102.53	189.73	228.70	198.77	115.46
γ 96.0	28.28	102.07	201.36	257.44	228.13	133.55	37.85	101.17	188.95	227.56	197.63	114.97
γ 97.0	28.75	100.78	199.74	255.67	226.39	132.55	38.18	100.44	187.94	226.25	196.58	114.28
γ 98.0	27.98	99.57	198.14	253.91	224.68	131.30	37.56	99.60	186.81	224.95	195.67	113.36
γ 99.0	27.55	98.06	196.35	252.07	222.96	130.10	35.21	98.94	185.60	223.49	194.07	112.91
γ 100.0	26.62	96.81	194.57	250.15	221.10	128.90	34.61	98.59	184.39	221.98	192.74	111.54
γ 101.0	26.12	95.38	192.68	248.13	219.12	127.44	34.05	97.07	183.13	220.36	191.43	110.49
γ 102.0	25.90	93.41	190.56	245.96	217.14	126.35	31.40	96.49	181.85	218.57	189.88	109.44
γ 103.0	25.25	91.80	188.57	243.69	214.96	124.96	31.95	95.37	180.54	216.82	188.16	108.40
γ 104.0	24.25	90.03	186.30	241.32	212.76	122.80	33.40	93.95	179.04	214.89	186.52	106.80
γ 105.0	24.25	87.84	183.69	238.99	210.43	120.64	29.77	92.62	177.36	213.00	184.65	103.82
γ 106.0	23.42	84.93	178.65	236.43	208.04	117.99	32.49	88.97	175.62	210.89	182.23	101.31
γ 107.0	23.07	82.65	171.34	233.81	205.45	114.95	27.74	84.88	173.26	208.68	177.51	99.04
γ 108.0	24.25	80.37	166.55	231.09	202.10	112.23	28.93	81.95	168.43	205.70	171.85	95.89
γ 109.0	22.24	77.35	162.53	228.21	196.43	109.14	27.39	79.82	163.13	200.41	168.13	93.20
γ 110.0	21.96	74.82	159.92	225.08	190.71	105.75	25.95	77.30	159.35	195.91	164.95	91.78
γ 111.0	22.46	73.64	158.29	220.61	186.66	103.48	26.27	75.78	156.14	192.92	162.90	90.84
γ 112.0	21.93	72.79	155.55	213.86	183.11	101.79	25.30	75.11	153.93	190.50	161.59	89.61
γ 113.0	21.01	71.55	152.05	209.24	180.60	99.56	24.62	75.08	151.89	188.39	159.46	88.53
γ 114.0	20.33	70.28	148.70	205.77	178.24	97.56	23.58	75.37	148.88	186.41	156.25	87.43
γ 115.0	20.48	69.04	145.08	202.83	175.03	95.88	22.36	73.77	146.03	184.85	153.33	86.22
γ 116.0	20.77	67.80	142.89	200.01	171.13	94.48	23.28	72.99	143.54	182.40	150.24	85.04
γ 117.0	20.19	66.51	142.22	197.68	167.49	92.83	23.06	72.05	140.64	179.67	147.89	84.06
γ 118.0	19.47	65.14	140.65	195.26	163.80	91.13	22.17	71.07	138.59	176.89	146.68	83.02
γ 119.0	19.22	63.73	138.35	191.97	160.96	89.31	21.20	69.81	137.31	174.14	145.64	81.78
γ 120.0	19.05	62.46	136.12	188.43	159.06	87.54	20.73	68.74	135.07	171.42	143.53	80.39
γ 121.0	18.85	61.30	133.77	184.93	156.97	85.75	20.28	67.52	132.22	169.06	141.34	78.93
γ 122.0	18.52	60.00	131.43	181.52	154.15	83.69	19.75	65.77	129.48	166.41	139.20	76.99
γ 123.0	18.37	58.65	129.09	178.50	151.36	81.44	20.32	64.27	127.33	163.76	137.03	74.55
γ 124.0	18.38	57.10	126.74	175.30	148.61	79.51	20.42	62.74	126.31	161.08	134.88	72.28
γ 125.0	18.56	55.33	124.30	172.05	145.85	77.54	19.98	60.89	124.28	158.44	132.72	69.68
γ 126.0	18.55	52.97	121.90	168.78	143.12	75.60	19.92	58.80	121.62	155.73	130.56	67.47
γ 127.0	18.44	50.98	119.55	165.52	140.33	73.59	19.58	56.47	118.89	153.04	128.30	65.27
γ 128.0	18.30	49.42	117.04	162.18	137.53	71.74	19.50	53.61	116.32	150.38	126.12	63.06
γ 129.0	18.07	47.84	114.60	158.99	134.79	69.93	19.32	51.22	114.12	147.60	123.88	60.80
γ 130.0	17.81	46.68	112.08	155.71	131.82	67.87	19.01	49.69	112.97	144.87	121.60	58.12
γ 131.0	17.53	45.57	109.52	152.32	129.10	65.83	18.44	47.95	111.21	142.14	119.37	55.41
γ 132.0	17.45	44.40	107.01	149.07	126.26	63.31	17.96	46.01	109.33	139.30	117.01	53.73
γ 133.0	17.54	43.14	104.35	145.74	123.42	60.67	17.59	44.62	107.21	136.55	114.67	52.15
γ 134.0	17.52	41.88	101.80	142.42	120.62	58.60	17.57	43.30	104.65	133.65	112.27	50.93
γ 135.0	17.65	40.67	99.10	139.06	117.69	56.42	17.85	41.85	101.85	130.75	109.80	49.72
γ 136.0	17.66	39.49	96.36	135.60	114.70	54.40	17.97	40.58	99.03	127.85	107.09	48.17
γ 137.0	17.58	38.35	93.58	132.25	111.65	52.75	17.98	39.34	96.31	124.88	103.94	46.46
γ 138.0	17.54	37.08	90.82	128.70	108.67	51.07	17.81	38.01	93.56	121.91	99.97	44.89
γ 139.0	17.37	35.69	87.99	125.27	105.60	49.44	17.59	36.90	90.61	118.88	95.45	43.25
γ 140.0	17.36	34.53	85.11	121.78	102.44	47.98	17.41	35.77	87.46	115.71	92.56	41.79

IES Indoor Report

Photometric Filename:PVS-5FT-50W-EM Helio EM.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 141.0	17.13	33.31	82.29	118.23	99.31	46.41	17.20	34.67	84.30	112.62	89.22	40.36
γ 142.0	16.89	32.13	79.45	114.56	96.23	44.72	17.14	33.69	81.09	109.51	85.51	38.92
γ 143.0	16.91	31.06	76.45	111.03	93.15	42.95	17.02	32.56	77.91	106.28	81.72	37.54
γ 144.0	16.97	29.89	73.32	107.36	90.17	41.37	16.96	31.57	74.80	103.05	77.96	36.16
γ 145.0	17.07	28.84	70.24	103.67	86.96	39.80	17.00	30.61	71.78	99.87	74.31	34.78
γ 146.0	17.07	27.70	66.81	100.01	83.73	38.08	17.08	29.66	68.82	96.53	70.62	33.63
γ 147.0	17.19	26.67	63.86	96.31	80.22	36.51	17.19	28.70	65.95	93.23	66.75	32.41
γ 148.0	17.28	25.81	60.98	92.53	76.72	34.99	17.29	27.81	63.22	89.73	62.84	31.33
γ 149.0	17.40	24.81	58.18	88.81	72.91	33.44	17.38	27.15	60.85	85.97	59.72	30.17
γ 150.0	17.48	23.94	55.48	84.99	69.36	31.95	17.36	26.46	58.77	81.82	56.72	29.13
γ 151.0	17.55	23.11	52.77	80.96	66.16	30.53	17.44	25.85	56.85	78.02	53.85	28.46
γ 152.0	17.64	22.35	49.95	76.55	63.09	29.09	17.54	25.13	54.92	74.69	50.79	27.67
γ 153.0	17.76	21.68	47.10	71.96	60.01	27.82	17.73	24.53	52.96	71.42	47.76	26.93
γ 154.0	17.92	21.10	44.32	68.21	56.87	26.51	17.70	23.86	51.09	68.29	46.15	26.20
γ 155.0	18.06	20.56	41.63	64.59	53.84	25.27	17.74	23.25	48.90	65.16	43.95	25.46
γ 156.0	18.16	20.07	39.11	61.02	50.72	24.22	17.80	22.75	46.85	61.77	42.96	24.66
γ 157.0	18.28	19.71	36.55	57.56	47.55	23.18	17.97	22.13	44.89	58.29	41.06	23.90
γ 158.0	18.38	19.37	34.12	54.03	44.57	22.22	18.02	21.59	42.81	55.04	39.01	23.30
γ 159.0	18.52	19.23	31.80	50.33	41.63	21.41	18.20	21.01	40.87	51.80	36.99	22.57
γ 160.0	18.64	19.04	29.58	46.76	38.82	20.69	18.24	20.44	38.89	48.64	35.11	21.94
γ 161.0	18.73	18.94	27.50	43.44	36.01	20.03	18.37	20.08	36.96	45.64	33.42	21.32
γ 162.0	18.86	18.82	25.55	40.16	33.44	19.55	18.51	19.53	35.19	42.61	31.58	20.67
γ 163.0	18.99	18.78	23.76	37.02	31.04	19.14	18.67	19.12	33.29	39.80	29.73	20.10
γ 164.0	19.10	18.69	22.36	34.11	28.72	18.80	18.73	18.71	31.21	36.84	27.94	19.64
γ 165.0	19.23	18.73	21.15	31.39	26.58	18.58	18.86	18.38	29.05	33.93	26.24	19.17
γ 166.0	19.30	18.67	20.21	28.81	24.63	18.39	18.96	18.12	27.10	31.26	24.59	18.79
γ 167.0	19.42	18.62	19.56	26.41	22.97	18.30	19.11	17.88	25.38	28.80	22.98	18.56
γ 168.0	19.55	18.56	19.11	24.35	21.73	18.26	19.25	17.77	23.82	26.54	21.72	18.30
γ 169.0	19.55	18.63	18.82	22.62	20.63	18.26	19.31	17.75	22.41	23.82	20.54	18.20
γ 170.0	19.64	18.83	18.72	21.32	19.88	18.25	19.46	17.61	21.23	22.51	19.55	18.16
γ 171.0	19.76	19.26	18.54	20.29	19.39	18.27	19.59	17.62	20.14	21.00	18.75	18.27
γ 172.0	19.89	19.45	18.57	19.67	19.25	18.27	19.65	17.60	19.40	20.18	18.21	18.51
γ 173.0	20.06	19.68	18.53	19.40	18.95	18.39	19.73	17.78	18.77	19.78	18.00	18.76
γ 174.0	20.13	19.81	18.83	19.19	18.77	18.79	19.83	18.19	18.42	19.44	17.97	19.13
γ 175.0	20.24	20.10	19.31	19.13	18.84	19.10	19.97	18.48	18.13	19.42	18.40	19.46
γ 176.0	20.33	20.24	19.60	19.12	18.77	19.37	20.10	18.82	18.04	19.63	18.98	19.64
γ 177.0	20.40	20.30	20.02	19.30	19.17	19.63	20.22	19.18	18.31	19.75	19.47	19.91
γ 178.0	20.48	20.41	20.12	19.64	19.61	20.00	20.32	19.41	18.73	19.48	19.95	20.19
γ 179.0	20.40	20.26	19.92	19.62	19.92	20.15	20.38	19.70	19.20	19.24	20.34	20.42
γ 180.0	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90