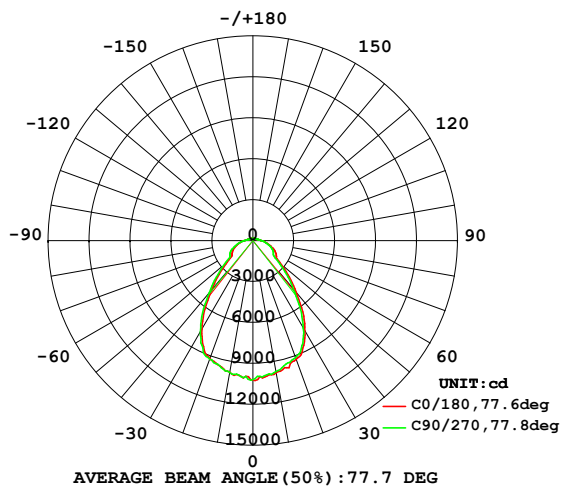


LUMINAIRE PHOTOMETRIC TEST REPORT

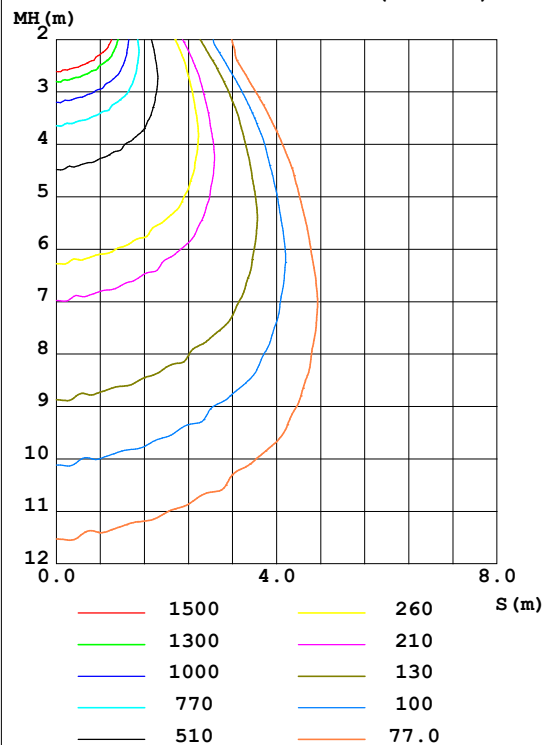
Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.27 lm/W			
MODEL	SMD3030 (757G P20D41)	I _{max} (cd)	10269	S/MH (C0/180)	1.10
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.13
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	21794	η UP,DN (C0-180)	4.3, 45.3
NOMINAL FLUX (lm)	21794.5	CIE CLASS	DIRECT	η UP,DN (C180-360)	4.2, 46.1
LAMPS INSIDE	1	η up (%)	8.6	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	277	η down (%)	91.4	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



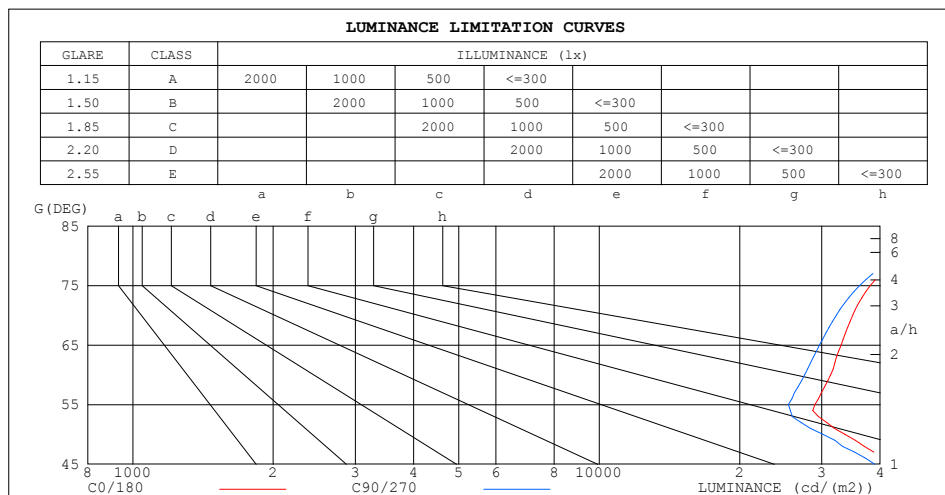
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: guanlingao
 Test Date: 2017-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
 Humidity: 65.0%
 Test Distance: 9.390m [K=1.0000]
 Remarks: 0-180°

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	984.3	975.7	973.4	978.7	980.1	976.1	981.5	985.4	0- 10	947.5	947.5	4.35, 4.35
20	926.7	918.1	914.3	914.3	918.6	920.1	927.4	924.2	10- 20	2684	3632	16.7, 16.7
30	762.1	751.8	739.0	740.6	747.0	757.2	769.9	759.2	20- 30	3937	7569	34.7, 34.7
40	493.6	481.4	462.3	462.2	470.0	481.3	498.5	498.3	30- 40	3867	11436	52.5, 52.5
50	273.8	257.0	245.4	241.9	247.3	260.1	272.7	276.4	40- 50	2816	14252	65.4, 65.4
60	198.7	183.5	174.9	172.2	175.6	183.9	195.9	203.2	50- 60	1847	16099	73.9, 73.9
70	151.6	145.1	139.8	138.8	141.0	145.5	152.1	153.2	60- 70	1657	17757	81.5, 81.5
80	100.7	99.61	98.03	98.72	99.20	99.90	101.8	100.4	70- 80	1294	19051	87.4, 87.4
90	63.38	64.07	64.21	65.31	64.97	64.26	64.14	62.65	80- 90	880.3	19931	91.4, 91.4
100	42.89	43.64	44.13	45.05	44.66	43.84	43.35	42.35	90-100	579.3	20510	94.1, 94.1
110	31.28	31.62	32.20	32.65	32.36	31.85	31.31	30.83	100-110	393.7	20904	95.9, 95.9
120	24.89	25.00	25.41	25.62	25.39	25.08	24.71	24.44	110-120	279.2	21183	97.2, 97.2
130	21.40	21.34	21.61	21.62	21.46	21.28	21.08	20.92	120-130	207.0	21390	98.1, 98.1
140	19.27	19.21	19.29	19.31	19.10	19.01	18.95	18.75	130-140	156.2	21546	98.9, 98.9
150	17.79	17.68	17.69	17.70	17.41	17.33	17.35	16.93	140-150	115.0	21661	99.4, 99.4
160	16.22	16.10	16.05	16.07	15.71	15.65	15.72	15.51	150-160	77.67	21739	99.7, 99.7
170	13.95	13.84	13.76	13.81	13.62	13.47	13.50	13.54	160-170	42.30	21781	99.9, 99.9
180	14.25	14.10	14.05	14.03	14.27	14.08	14.07	13.99	170-180	13.04	21794	100, 100
DEG	LUMINOUS INTENSITY: $\times 10 \text{cd}$ MAX (Ii - Iavg) / Iavg (0-135) = 205.3 %									UNIT: lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	72358	71944
80	45718	44502
75	38143	36162
70	34944	32225
65	33000	29665
60	31329	27567
55	29017	25454
50	33573	30100
45	42288	38977

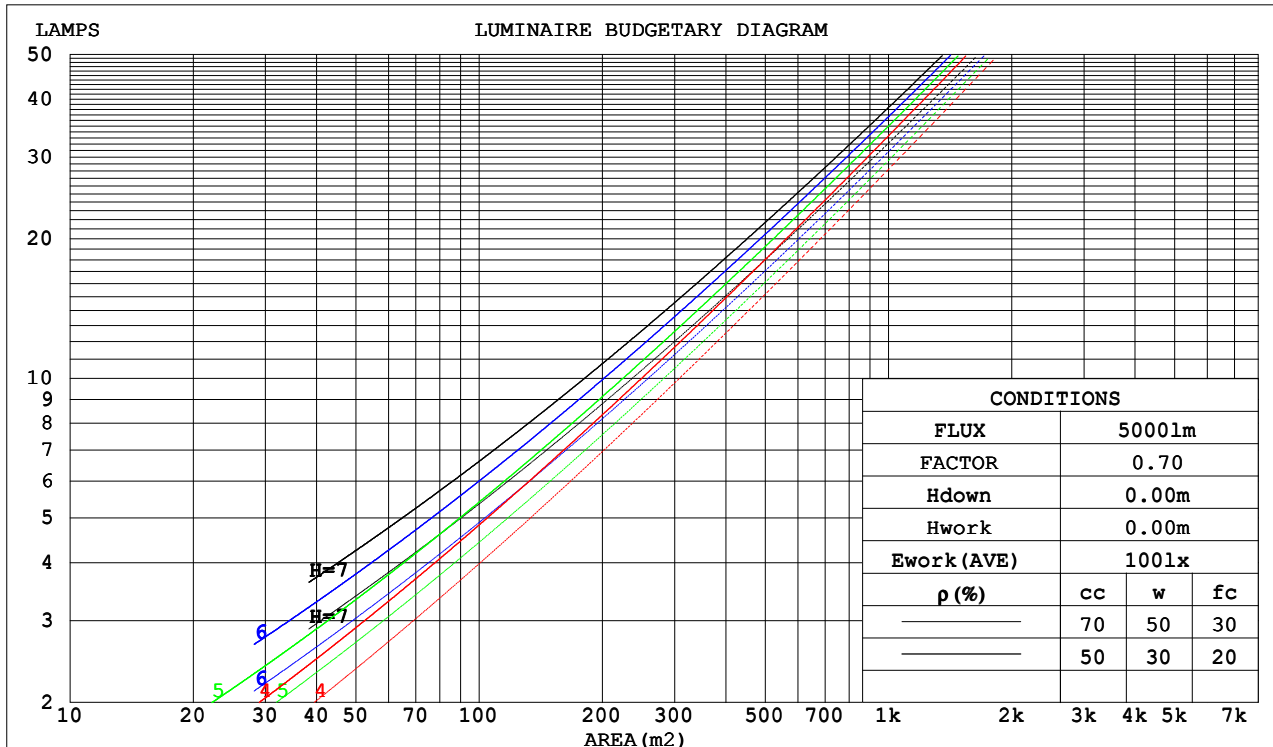
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: guanlingao
 Test Date: 2017-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
 Humidity: 65.0%
 Test Distance: 9.390m [K=1.0000]
 Remarks: 0-180°

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.91
1.0	1.02	.98	.94	.99	.95	.92	.93	.90	.87	.88	.85	.83	.83	.81	.79	.77
2.0	.90	.84	.78	.88	.82	.77	.83	.78	.74	.78	.74	.71	.74	.71	.68	.66
3.0	.81	.73	.67	.78	.71	.66	.74	.68	.64	.70	.66	.61	.67	.63	.59	.57
4.0	.73	.64	.58	.71	.63	.57	.67	.61	.56	.64	.58	.54	.61	.56	.53	.50
5.0	.66	.57	.51	.64	.56	.51	.61	.54	.49	.58	.53	.48	.56	.51	.47	.45
6.0	.60	.52	.46	.59	.51	.45	.56	.49	.44	.54	.48	.43	.51	.46	.42	.40
7.0	.55	.47	.41	.54	.46	.41	.52	.45	.40	.49	.43	.39	.47	.42	.38	.36
8.0	.51	.43	.37	.50	.42	.37	.48	.41	.36	.46	.40	.36	.44	.39	.35	.33
9.0	.47	.39	.34	.46	.39	.34	.44	.38	.33	.43	.37	.33	.41	.36	.32	.30
10.0	.44	.36	.31	.43	.36	.31	.41	.35	.30	.40	.34	.30	.38	.33	.29	.28



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: guanlingao
Test Date: 2017-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 9.390m [K=1.0000]
Remarks: 0-180°

WEC AND CCEC

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
pfc	20%			20%			20%			20%			20%			0		
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)											
0.0																		
1.0	.304	.173	.055	.295	.168	.053	.277	.159	.051	.260	.150	.048	.245	.142	.046			
2.0	.273	.150	.046	.265	.146	.045	.249	.138	.043	.234	.131	.041	.220	.125	.039			
3.0	.249	.132	.040	.241	.129	.039	.227	.123	.037	.214	.117	.036	.201	.112	.035			
4.0	.228	.119	.035	.221	.116	.034	.209	.111	.033	.197	.106	.032	.186	.101	.031			
5.0	.211	.107	.031	.205	.105	.031	.193	.101	.030	.182	.096	.029	.172	.092	.028			
6.0	.196	.098	.028	.190	.096	.028	.180	.092	.027	.170	.088	.026	.161	.085	.025			
7.0	.183	.090	.026	.178	.089	.025	.168	.085	.024	.159	.082	.024	.151	.079	.023			
8.0	.171	.084	.024	.167	.082	.023	.158	.079	.023	.150	.076	.022	.142	.073	.021			
9.0	.161	.078	.022	.157	.076	.021	.149	.074	.021	.142	.071	.020	.135	.068	.020			
10.0	.152	.073	.020	.148	.071	.020	.141	.069	.019	.134	.067	.019	.128	.064	.018			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.256	.256	.256	.218	.218	.218	.149	.149	.149	.086	.086	.086	.027	.027	.027	
1.0	.246	.222	.200	.210	.190	.173	.144	.131	.119	.083	.076	.069	.027	.024	.022	
2.0	.236	.198	.166	.202	.171	.144	.138	.118	.100	.080	.069	.059	.026	.022	.019	
3.0	.227	.181	.144	.195	.156	.125	.134	.108	.087	.077	.063	.052	.025	.021	.017	
4.0	.218	.167	.128	.187	.145	.111	.129	.101	.078	.075	.059	.046	.024	.019	.015	
5.0	.211	.157	.117	.181	.136	.102	.125	.095	.072	.072	.056	.043	.023	.018	.014	
6.0	.203	.148	.109	.175	.129	.095	.121	.090	.067	.070	.053	.040	.023	.017	.013	
7.0	.197	.141	.103	.169	.123	.090	.117	.086	.063	.068	.051	.038	.022	.017	.012	
8.0	.190	.136	.098	.164	.118	.086	.113	.083	.061	.066	.049	.036	.021	.016	.012	
9.0	.185	.131	.094	.159	.113	.082	.110	.080	.058	.064	.047	.035	.021	.015	.012	
10.0	.179	.127	.091	.155	.110	.080	.107	.077	.057	.063	.046	.034	.020	.015	.011	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: guanlingao
 Test Date: 2017-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
 Humidity: 65.0%
 Test Distance: 9.390m [K=1.0000]
 Remarks: 0-180°

UGR(Unified Glare Rating) Table

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm										
NAME: LM-150W					TYPE:glass+80°PC COVRE			WEIGHT:5.679kg		
SPEC.:5000k R80 360L					DIM.: D414mm*385mm			SERIAL No.:		
MFR.:					SUR.: 0.207m*0.207m*3.14			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	23.3	24.6	23.7	25.0	25.3	22.9	24.2	23.3	24.5	24.9
3H	25.1	26.3	25.5	26.7	27.1	24.7	25.9	25.1	26.3	26.6
4H	26.1	27.2	26.5	27.6	28.0	25.7	26.8	26.1	27.2	27.6
6H	27.1	28.1	27.5	28.5	29.0	26.7	27.8	27.2	28.2	28.6
8H	27.6	28.6	28.1	29.0	29.5	27.3	28.3	27.7	28.7	29.2
12H	28.2	29.2	28.7	29.6	30.1	27.9	28.9	28.4	29.3	29.8
4H 2H	23.9	25.0	24.3	25.4	25.8	23.5	24.6	24.0	25.0	25.5
3H	25.9	26.9	26.4	27.4	27.8	25.6	26.6	26.1	27.0	27.5
4H	27.1	28.0	27.6	28.4	28.9	26.8	27.6	27.2	28.1	28.6
6H	28.3	29.1	28.8	29.6	30.1	28.0	28.8	28.5	29.3	29.8
8H	28.9	29.6	29.4	30.1	30.7	28.6	29.4	29.2	29.9	30.5
12H	29.6	30.3	30.2	30.8	31.4	29.4	30.1	30.0	30.6	31.2
8H 4H	27.5	28.2	28.0	28.8	29.3	27.2	28.0	27.8	28.5	29.0
6H	28.9	29.6	29.5	30.1	30.7	28.7	29.3	29.3	29.9	30.5
8H	29.7	30.3	30.3	30.9	31.5	29.6	30.1	30.1	30.7	31.3
12H	30.7	31.2	31.3	31.8	32.4	30.5	31.0	31.1	31.6	32.3
12H 4H	27.6	28.3	28.1	28.8	29.4	27.3	28.0	27.9	28.5	29.1
6H	29.1	29.7	29.7	30.2	30.9	28.9	29.5	29.5	30.0	30.7
8H	30.0	30.5	30.6	31.1	31.8	29.9	30.3	30.5	30.9	31.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 21794 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.7)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: guanlingao
Test Date: 2017-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 9.390m [K=1.0000]
Remarks: 0-180°

UTILIZATION FACTORS TABLE

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:

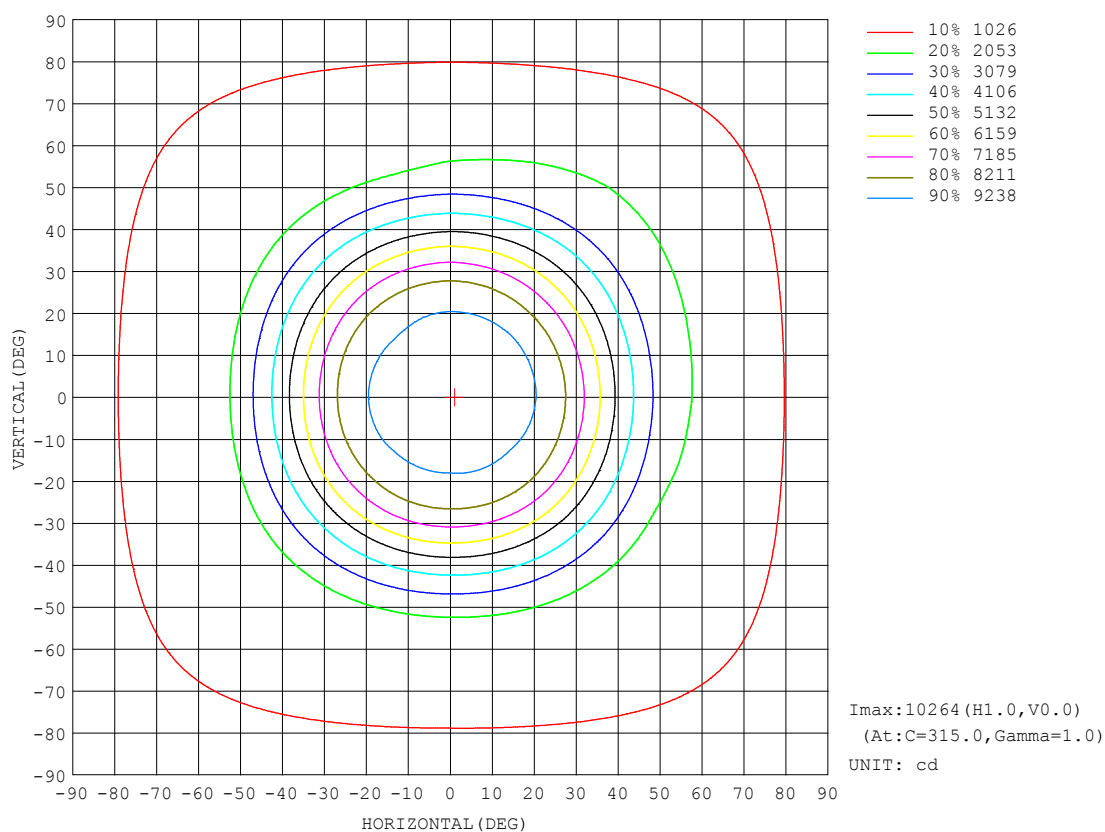
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	62	52	46	62	52	46	60	51	46	40
0.80	71	61	54	70	60	54	68	59	53	47
1.00	78	68	61	77	67	61	74	68	60	53
1.25	84	74	68	82	73	67	79	72	66	59
1.50	89	79	73	86	78	72	83	76	70	62
2.00	94	86	80	92	84	79	88	81	76	68
2.50	98	90	84	95	88	83	90	85	80	71
3.00	101	94	88	98	92	87	93	88	84	73
4.00	104	98	94	101	96	92	96	92	88	77
5.00	107	102	97	103	99	95	98	94	91	79
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: guanlingao
 Test Date: 2017-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
 Humidity: 65.0%
 Test Distance: 9.390m [K=1.0000]
 Remarks: 0-180°

ISOCANDELA DIAGRAM

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:

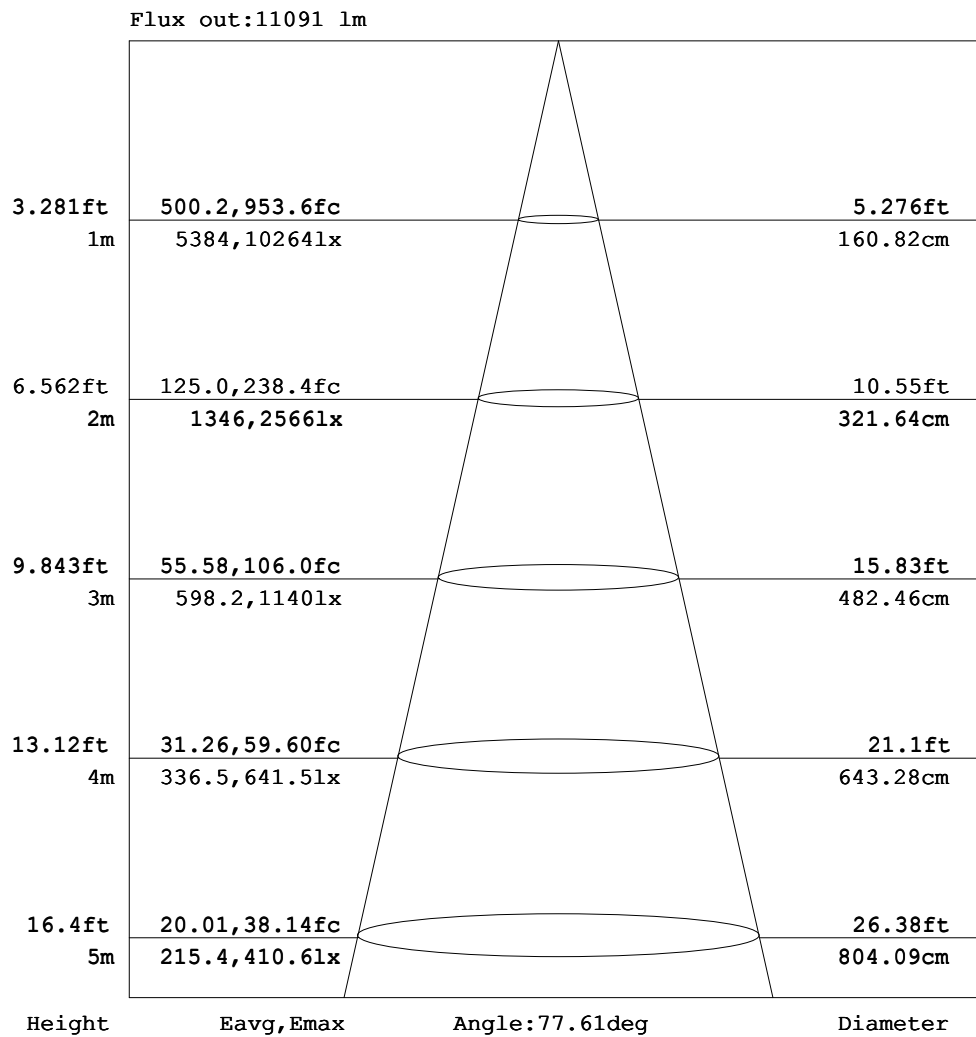


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: guanlingao
Test Date: 2017-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 9.390m [K=1.0000]
Remarks: 0-180°

AAI Figure

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:



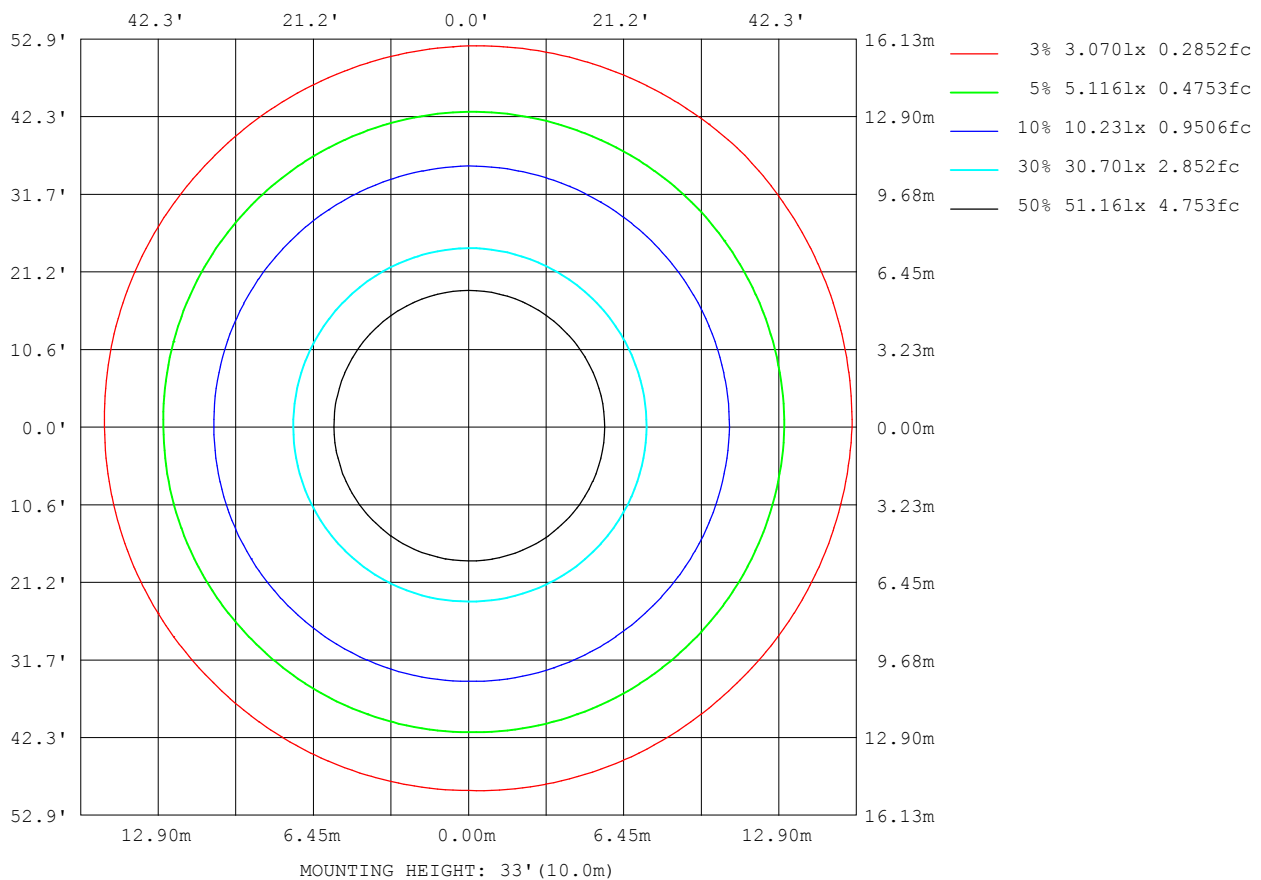
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: guanlingao
Test Date: 2017-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 9.390m [K=1.0000]
Remarks: 0-180°

ISOLUX DIAGRAM

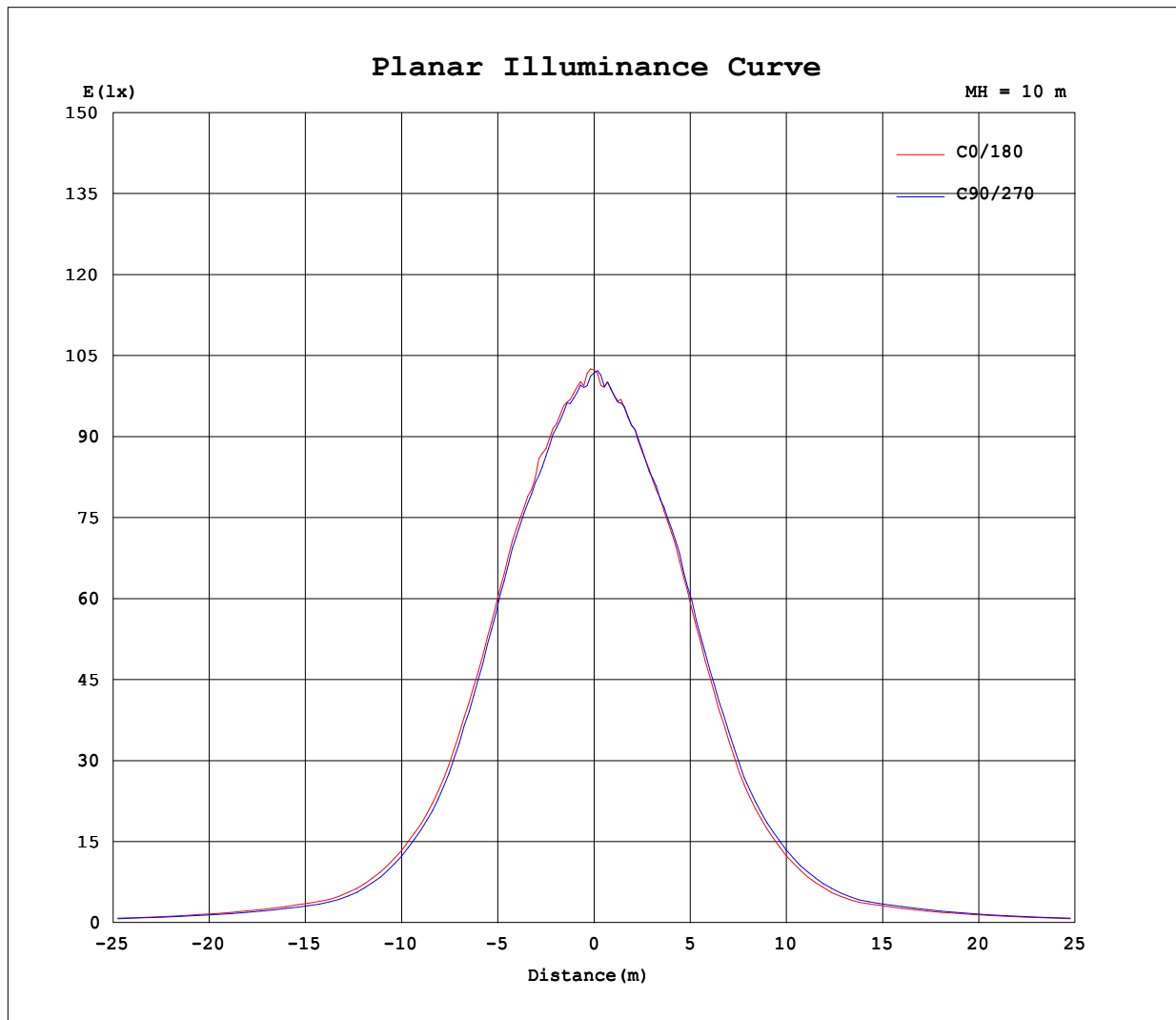
Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: guanlingao
Test Date: 2017-12-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 9.390m [K=1.0000]
Remarks: 0-180°

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: guanlingao
Test Date: 2017-12-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
Humidity: 65.0%
Test Distance: 9.390m [K=1.0000]
Remarks: 0-180°

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.1V I:0.5706A P:150.0W PF:0.9488 Lamp Flux:21794.5x1 lm		
NAME: LM-150W	TYPE:glass+80°PC COVRE	WEIGHT:5.679kg
SPEC.:5000k R80 360L	DIM.: D414mm*385mm	SERIAL No.:
MFR.:	SUR.: 0.207m*0.207m*3.14	PROTECTION ANGLE:

Table--1

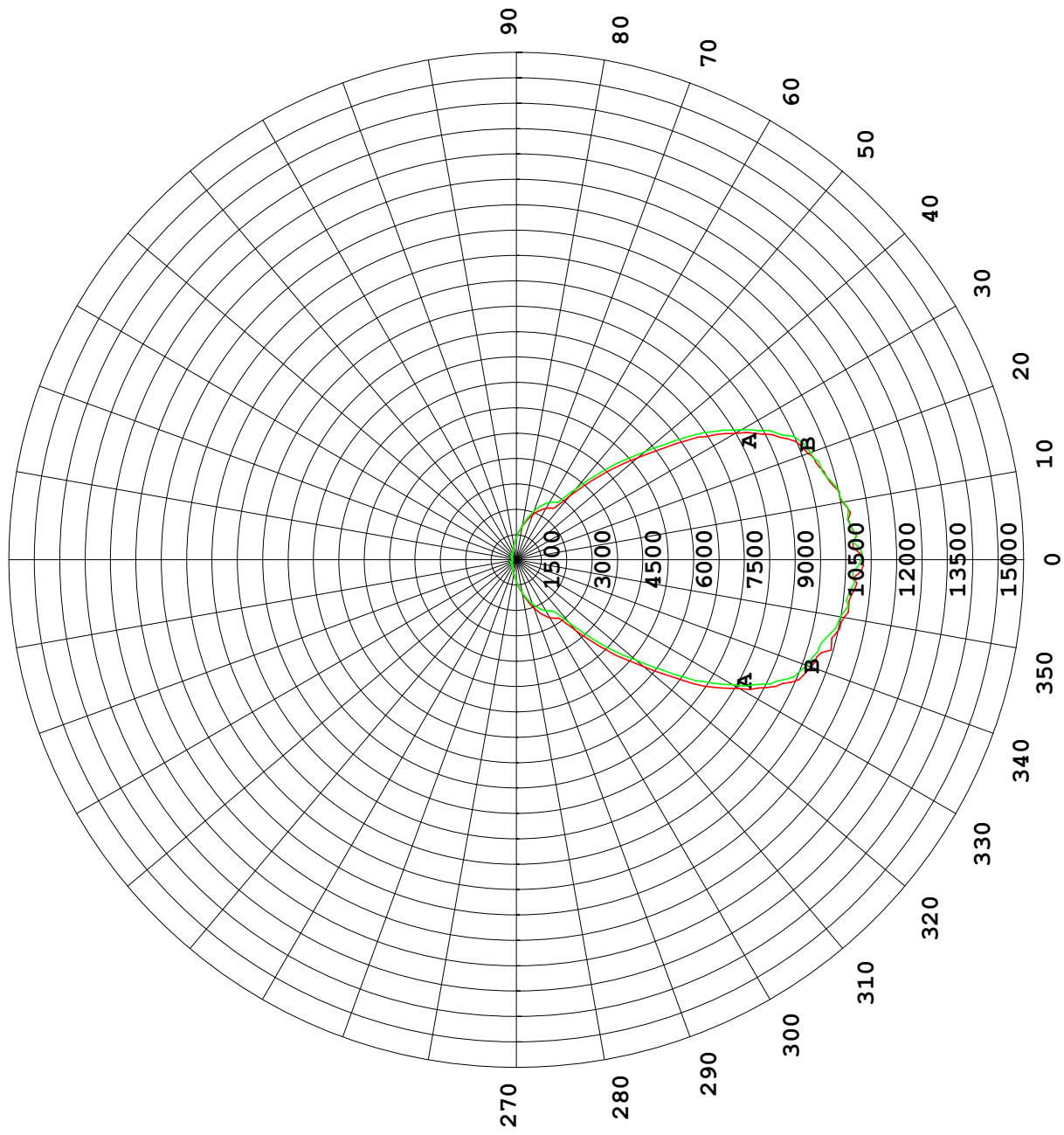
UNIT: ×10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1023	1019	1018	1022	1023	1019	1018	1022										
5	1004	994	994	998	999	994	1000	1004										
10	984	976	973	979	980	976	981	985										
15	965	969	937	947	950	946	949	947										
20	927	918	914	914	919	920	927	924										
25	868	861	851	850	858	865	870	866										
30	762	752	739	741	747	757	770	759										
35	638	625	606	610	615	629	645	631										
40	494	481	462	462	470	481	498	498										
45	379	362	350	346	351	367	381	383										
50	274	257	245	242	247	260	273	276										
55	211	194	185	182	186	196	208	217										
60	199	183	175	172	176	184	196	203										
65	177	167	159	157	160	167	177	180										
70	152	145	140	139	141	146	152	153										
75	125	122	119	119	120	122	126	126										
80	101	99.6	98.0	98.7	99.2	99.9	102	100										
85	80.0	80.1	79.5	80.5	80.5	80.3	81.0	79.3										
90	63.4	64.1	64.2	65.3	65.0	64.3	64.1	62.6										
95	51.8	52.5	53.0	54.0	53.6	52.8	52.3	51.1										
100	42.9	43.6	44.1	45.0	44.7	43.8	43.3	42.3										
105	36.2	36.7	37.3	38.0	37.6	37.0	36.4	35.8										
110	31.3	31.6	32.2	32.6	32.4	31.9	31.3	30.8										
115	27.6	27.8	28.3	28.7	28.4	28.0	27.5	27.2										
120	24.9	25.0	25.4	25.6	25.4	25.1	24.7	24.4										
125	22.9	22.9	23.3	23.3	23.2	22.9	22.6	22.4										
130	21.4	21.3	21.6	21.6	21.5	21.3	21.1	20.9										
135	20.2	20.2	20.3	20.3	20.2	20.0	19.9	19.8										
140	19.3	19.2	19.3	19.3	19.1	19.0	19.0	18.8										
145	18.5	18.4	18.4	18.5	18.2	18.2	18.1	17.8										
150	17.8	17.7	17.7	17.7	17.4	17.3	17.3	16.9										
155	17.1	17.0	17.0	17.0	16.7	16.6	16.6	16.3										
160	16.2	16.1	16.0	16.1	15.7	15.6	15.7	15.5										
165	15.1	15.0	15.0	15.0	14.7	14.6	14.6	14.6										
170	13.9	13.8	13.8	13.8	13.6	13.5	13.5	13.5										
175	13.9	13.9	13.7	13.7	13.9	13.7	13.7	13.7										
180	14.2	14.1	14.1	14.0	14.3	14.1	14.1	14.0										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: guanlingao
 Test Date: 2017-12-29

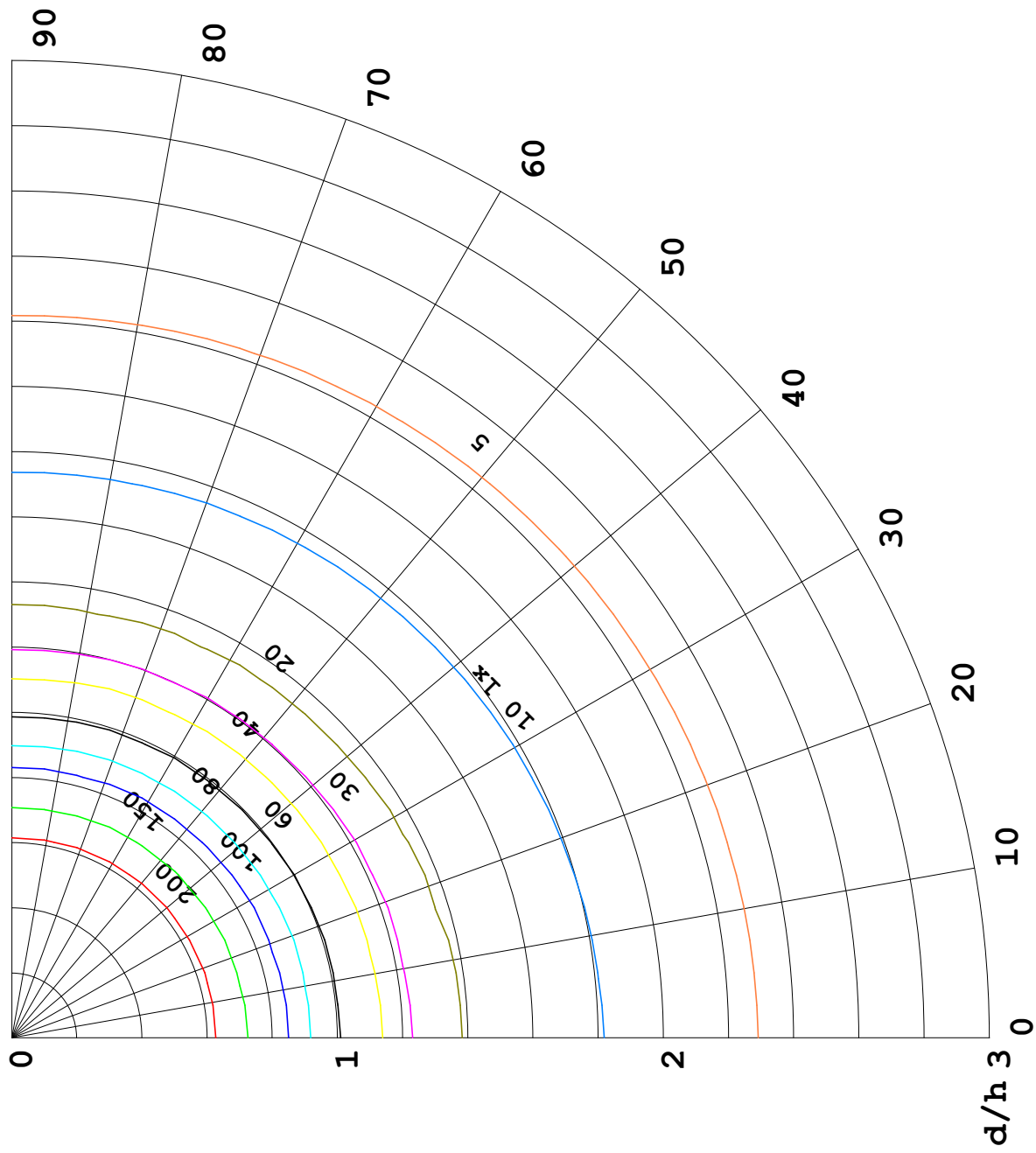
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.284
 Humidity: 65.0%
 Test Distance: 9.390m [K=1.0000]
 Remarks: 0-180°

I (cd)



$\kappa = 1$

1000 lm



F = 5000 lm
K = 0.7
Hcc = 0.0 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
————	70	50	30
————	50	30	20

