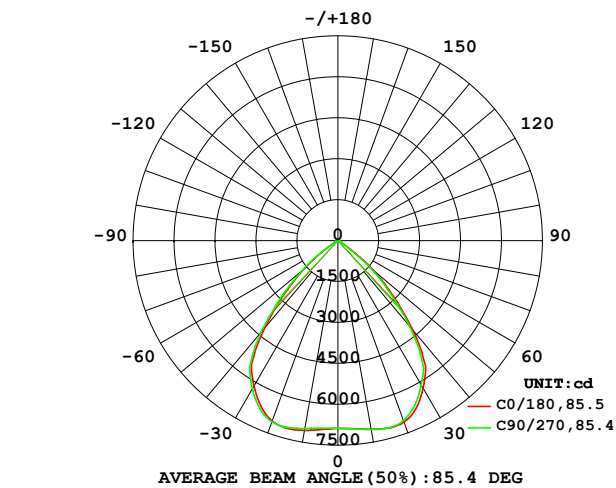


LUMINAIRE PHOTOMETRIC TEST REPORT

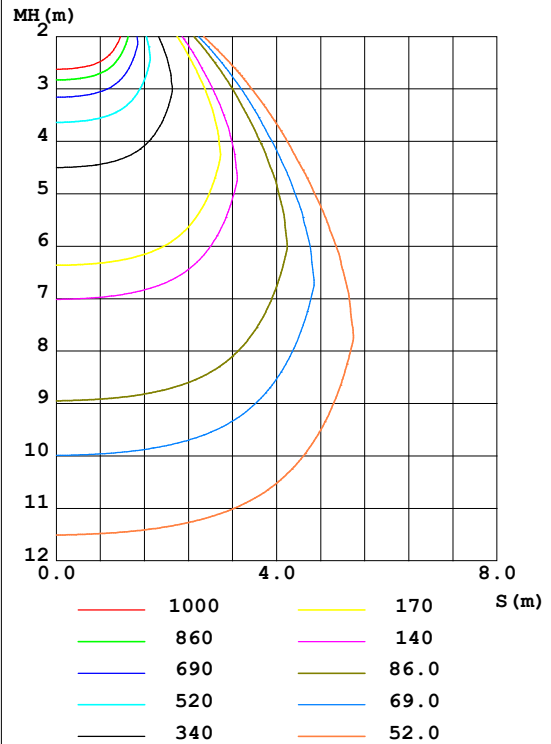
Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 147.64 lm/W
MODEL	NICHIA3030	Imax(cd)	7128	S/MH(C0/180)	1.22	
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	12146	η UP,DN(C0-180)	0.3,49.3	
NOMINAL FLUX(lm)	12145.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,50.1	
LAMPS INSIDE	1	η up(%)	0.5	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down(%)	99.5	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:
Test Date:2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:9.351m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	7015	7032	7059	6987					0- 10	664.1	664.1	5.47, 5.47
20	7077	7021	7036	7065					10- 20	2009	2673	22, 22
30	6242	6114	6149	6264					20- 30	3084	5757	47.4, 47.4
40	4300	4048	4186	4396					30- 40	3364	9122	75.1, 75.1
50	1695	1545	1638	1735					40- 50	2193	11315	93.2, 93.2
60	157.6	146.7	170.9	170.0					50- 60	614.1	11929	98.2, 98.2
70	62.08	56.97	67.73	60.07					60- 70	99.39	12028	99, 99
80	22.57	19.33	23.54	20.76					70- 80	42.00	12070	99.4, 99.4
90	0.7518	0.5620	0.4810	0.6313					80- 90	10.03	12080	99.5, 99.5
100	0.7576	0.8205	0.6442	0.5617					90-100	0.6018	12081	99.5, 99.5
110	2.713	2.854	2.265	2.050					100-110	1.489	12082	99.5, 99.5
120	7.093	7.334	6.223	5.835					110-120	4.294	12087	99.5, 99.5
130	13.06	13.43	11.94	11.45					120-130	8.424	12095	99.6, 99.6
140	19.32	19.76	18.19	17.63					130-140	12.05	12107	99.7, 99.7
150	25.05	25.48	24.05	23.44					140-150	13.52	12121	99.8, 99.8
160	30.42	30.76	29.78	29.20					150-160	12.56	12133	99.9, 99.9
170	34.78	35.02	34.70	34.12					160-170	9.128	12142	100, 100
180	36.86	36.75	36.96	36.63					170-180	3.405	12146	100, 100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 5.2 %									UNIT:lm		

Conical surface Flux(90deg): 10419 lm

%lum = 85.8%

%lamp = 85.8%

Conical surface Flux(120deg): 11929 lm

%lum = 98.2%

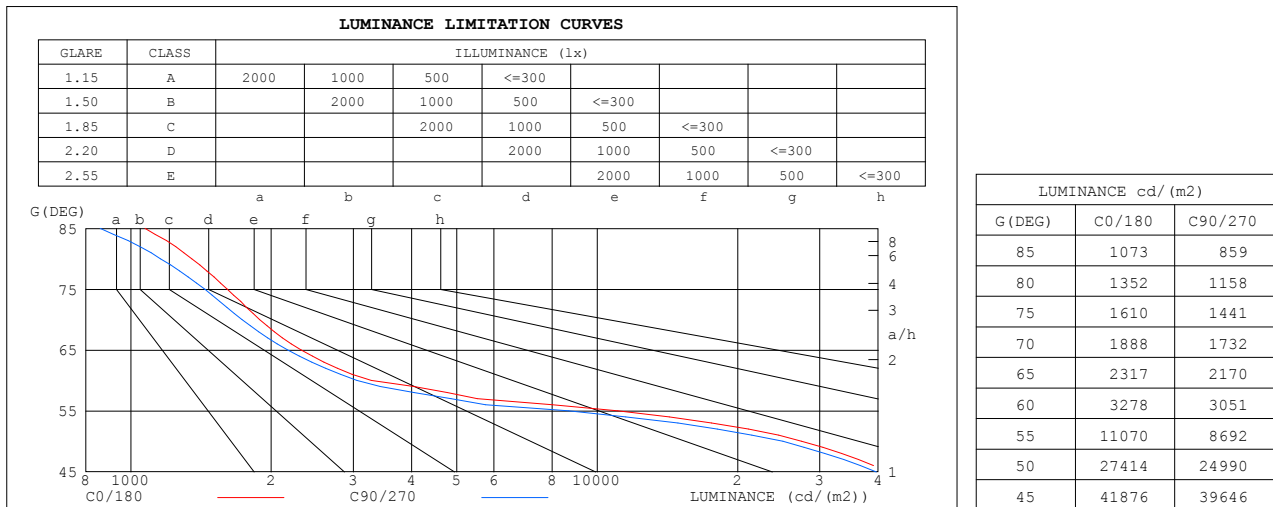
%lamp = 98.2%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: DEG
Operators:
Test Date: 2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 9.351m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:



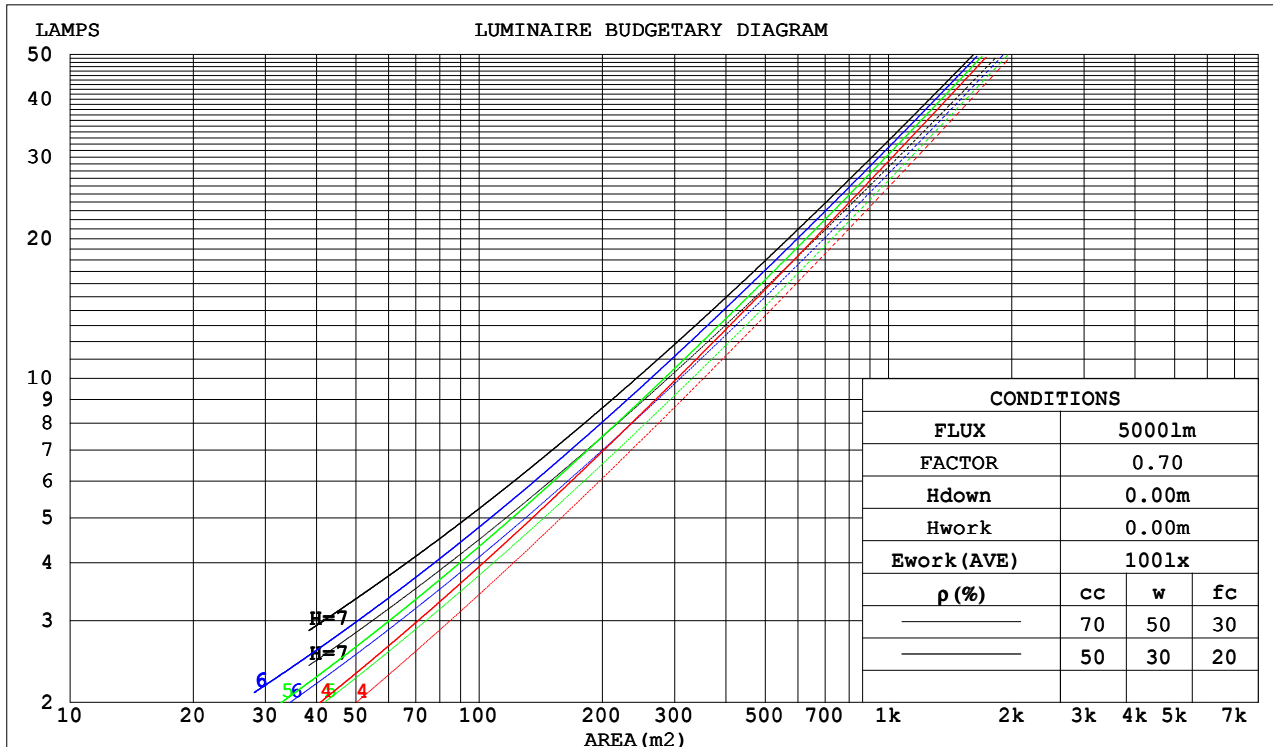
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: DEG
Operators:
Test Date: 2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 9.351m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.99
1.0	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.00	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.80	.90	.84	.80	.87	.82	.78	.84	.80	.77	.82	.78	.76	.74
4.0	.83	.77	.72	.82	.76	.71	.80	.74	.70	.78	.73	.69	.76	.72	.68	.67
5.0	.76	.69	.64	.75	.69	.64	.73	.68	.63	.72	.67	.63	.70	.66	.62	.60
6.0	.70	.63	.58	.69	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.55
7.0	.65	.58	.53	.64	.57	.52	.63	.57	.52	.61	.56	.52	.60	.55	.51	.50
8.0	.60	.53	.48	.59	.53	.48	.58	.52	.48	.57	.51	.47	.56	.51	.47	.45
9.0	.56	.49	.44	.55	.48	.44	.54	.48	.44	.53	.47	.43	.52	.47	.43	.42
10.0	.52	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.40	.49	.43	.40	.38



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators:
 Test Date: 2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 9.351m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding 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	.208	.118	.037	.201	.114	.036	.188	.108	.034	.176	.101	.033	.165	.095	.031		
2.0	.202	.111	.034	.197	.108	.033	.185	.103	.032	.175	.098	.031	.165	.094	.030		
3.0	.194	.104	.031	.189	.101	.031	.180	.097	.030	.171	.094	.029	.162	.090	.028		
4.0	.186	.097	.028	.181	.095	.028	.173	.092	.027	.165	.089	.027	.158	.086	.026		
5.0	.177	.090	.026	.173	.089	.026	.166	.086	.025	.159	.084	.025	.152	.081	.024		
6.0	.169	.085	.024	.165	.083	.024	.159	.081	.024	.152	.079	.023	.146	.077	.023		
7.0	.161	.080	.023	.158	.079	.022	.152	.077	.022	.146	.075	.022	.141	.073	.022		
8.0	.153	.075	.021	.151	.074	.021	.145	.073	.021	.140	.071	.020	.135	.069	.020		
9.0	.146	.071	.020	.144	.070	.020	.139	.069	.019	.134	.067	.019	.130	.066	.019		
10.0	.140	.067	.019	.137	.066	.019	.133	.065	.018	.129	.064	.018	.125	.063	.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	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021		
1.0	.177	.161	.147	.152	.138	.126	.104	.095	.087	.060	.055	.051	.019	.018	.016		
2.0	.164	.137	.113	.141	.118	.098	.097	.081	.068	.056	.047	.040	.018	.015	.013		
3.0	.154	.118	.089	.132	.102	.077	.091	.071	.054	.052	.041	.032	.017	.013	.010		
4.0	.145	.104	.072	.125	.090	.063	.086	.062	.044	.050	.037	.026	.016	.012	.009		
5.0	.138	.093	.059	.118	.080	.052	.082	.056	.036	.047	.033	.022	.015	.011	.007		
6.0	.131	.084	.050	.113	.073	.043	.078	.051	.031	.045	.030	.018	.015	.010	.006		
7.0	.125	.077	.043	.108	.066	.037	.074	.047	.026	.043	.027	.016	.014	.009	.005		
8.0	.120	.071	.037	.103	.061	.032	.071	.043	.023	.042	.025	.014	.013	.008	.005		
9.0	.115	.066	.033	.099	.057	.029	.069	.040	.020	.040	.024	.012	.013	.008	.004		
10.0	.110	.062	.029	.095	.053	.026	.066	.038	.018	.038	.022	.011	.012	.007	.004		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:
Test Date:2019-7-9

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:9.351m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm										
NAME: DM-80W					TYPE:Glass+90D AL COVER			WEIGHT:2.62kg		
SPEC.:5700k-RA80					DIM.: D245*H184mm			SERIAL No.:		
MFR.: BT					SUR.:0.175m*0.175m*3.14			Shielding 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	22.0	23.2	22.3	23.4	23.6	21.8	22.9	22.0	23.1	23.3
3H	21.9	22.9	22.1	23.1	23.4	21.6	22.7	21.9	22.9	23.1
4H	21.8	22.8	22.1	23.0	23.2	21.5	22.5	21.8	22.8	23.0
6H	21.7	22.6	22.0	22.9	23.1	21.4	22.4	21.8	22.6	22.9
8H	21.6	22.5	22.0	22.8	23.1	21.4	22.3	21.7	22.6	22.8
12H	21.6	22.4	21.9	22.7	23.0	21.3	22.2	21.7	22.5	22.8
4H 2H	21.8	22.8	22.1	23.0	23.3	21.5	22.5	21.8	22.8	23.0
3H	21.6	22.5	22.0	22.8	23.0	21.4	22.2	21.7	22.5	22.8
4H	21.5	22.3	21.9	22.6	22.9	21.3	22.1	21.7	22.4	22.7
6H	21.5	22.1	21.8	22.5	22.8	21.2	21.9	21.6	22.2	22.6
8H	21.4	22.0	21.8	22.4	22.8	21.2	21.8	21.6	22.2	22.5
12H	21.4	21.9	21.8	22.3	22.7	21.1	21.7	21.5	22.1	22.5
8H 4H	21.4	22.0	21.8	22.4	22.8	21.2	21.8	21.6	22.1	22.5
6H	21.3	21.8	21.8	22.2	22.7	21.1	21.6	21.5	22.0	22.4
8H	21.3	21.7	21.7	22.2	22.6	21.0	21.5	21.5	21.9	22.4
12H	21.2	21.6	21.7	22.1	22.5	21.0	21.4	21.5	21.8	22.3
12H 4H	21.4	21.9	21.8	22.3	22.7	21.1	21.7	21.5	22.1	22.5
6H	21.3	21.7	21.7	22.1	22.6	21.0	21.5	21.5	21.9	22.4
8H	21.2	21.6	21.7	22.1	22.5	21.0	21.4	21.5	21.8	22.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 9.3					+ 2.4 / - 9.7				
1.5H	+ 2.5 / - 7.3					+ 2.6 / - 7.8				
2.0H	+ 5.4 / -10.2					+ 5.5 / -10.0				

CIE Pub.117, 12146 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.7$)
Area: 0.0961625 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:
Test Date:2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:9.351m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:

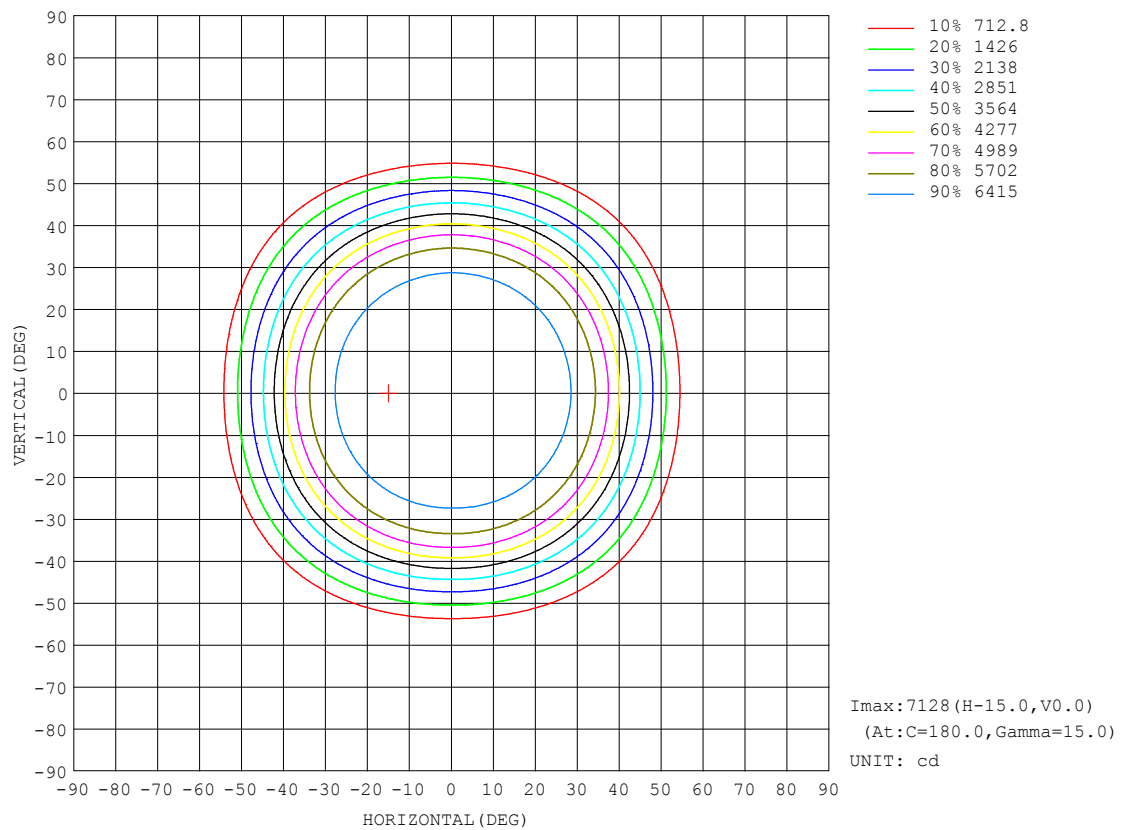
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	67	62	75	67	62	74	66	62	57
0.80	85	77	72	84	77	72	83	76	71	67
1.00	92	85	80	91	84	79	89	84	79	74
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	95	90	100	94	90	97	92	89	83
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	102	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	94
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: DEG
Operators:
Test Date: 2019-7-9

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 9.351m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:

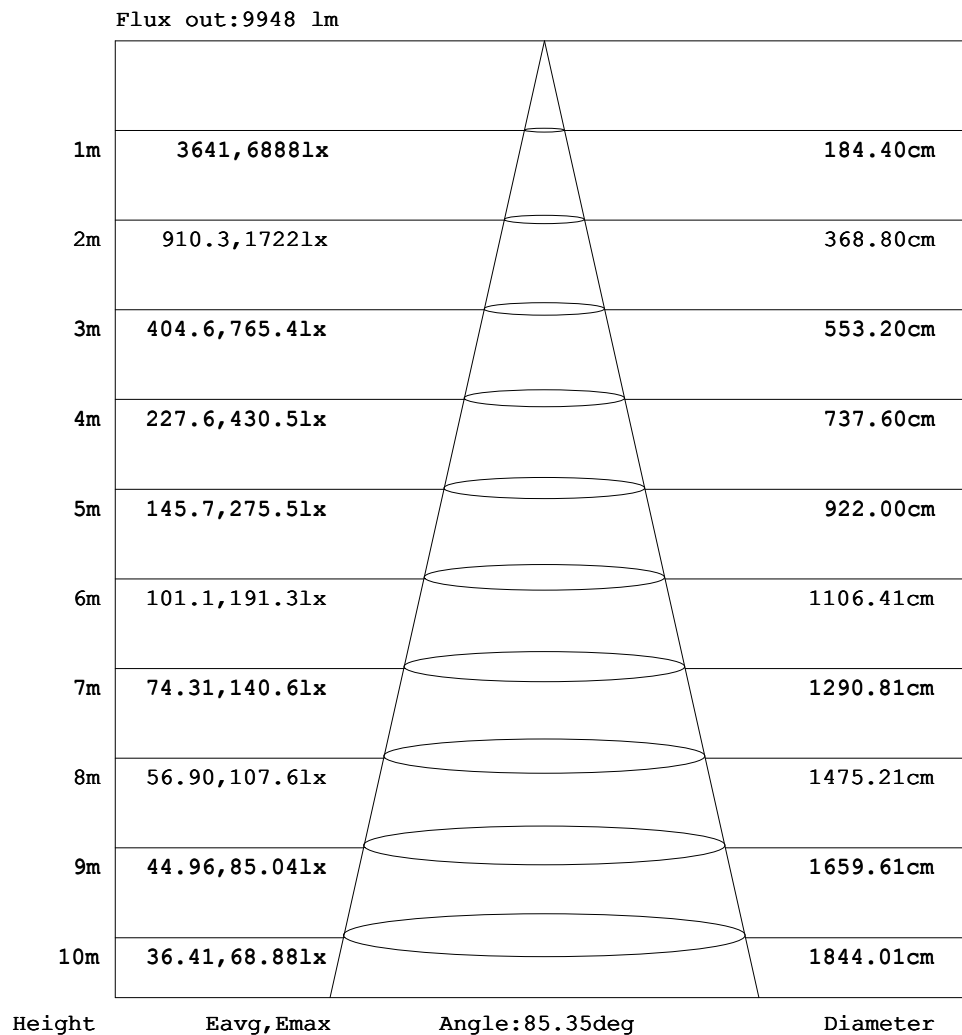


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:
Test Date:2019-7-9

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:9.351m [K=1.0000]
Remarks:

AAI Figure

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:



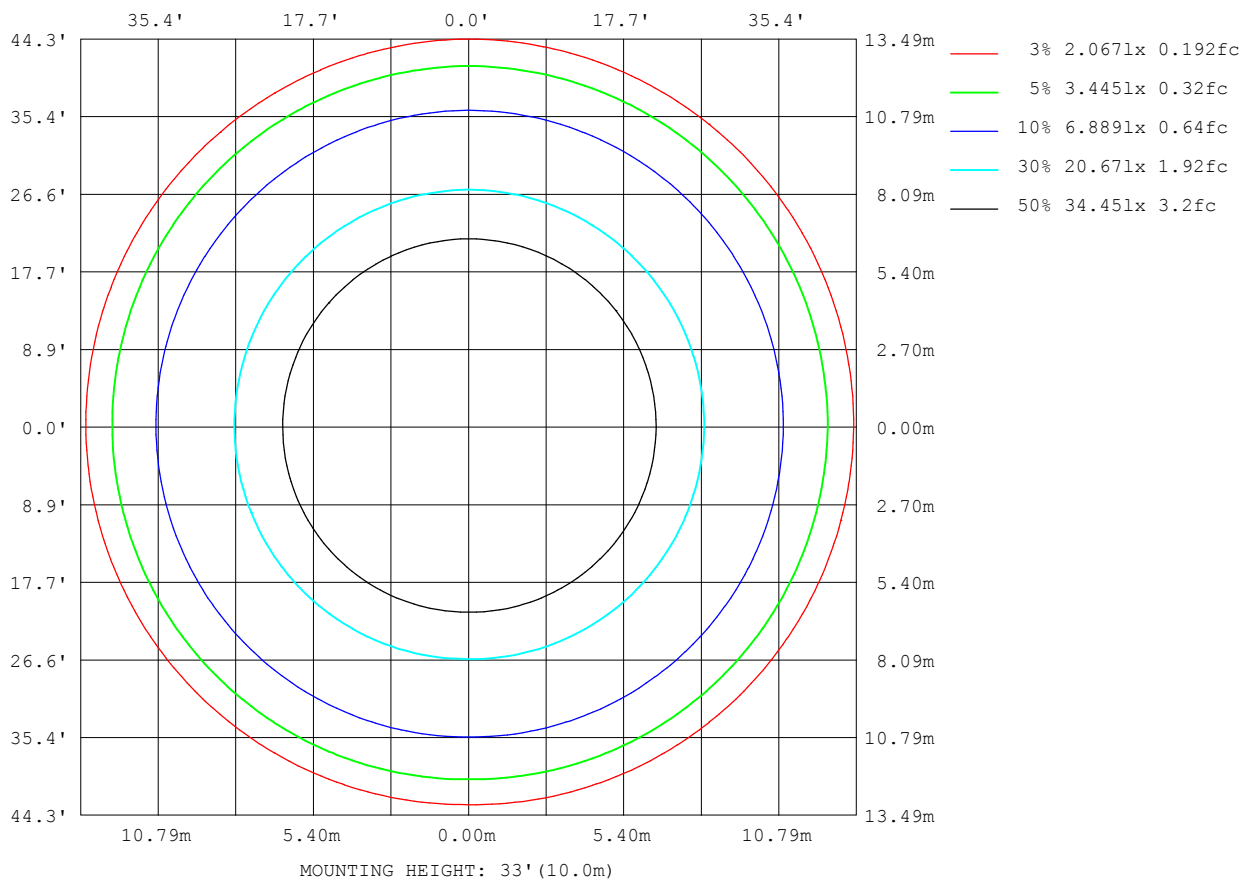
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:DEG
 Operators:
 Test Date:2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:9.351m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: DEG
Operators:
Test Date: 2019-7-9

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 9.351m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:

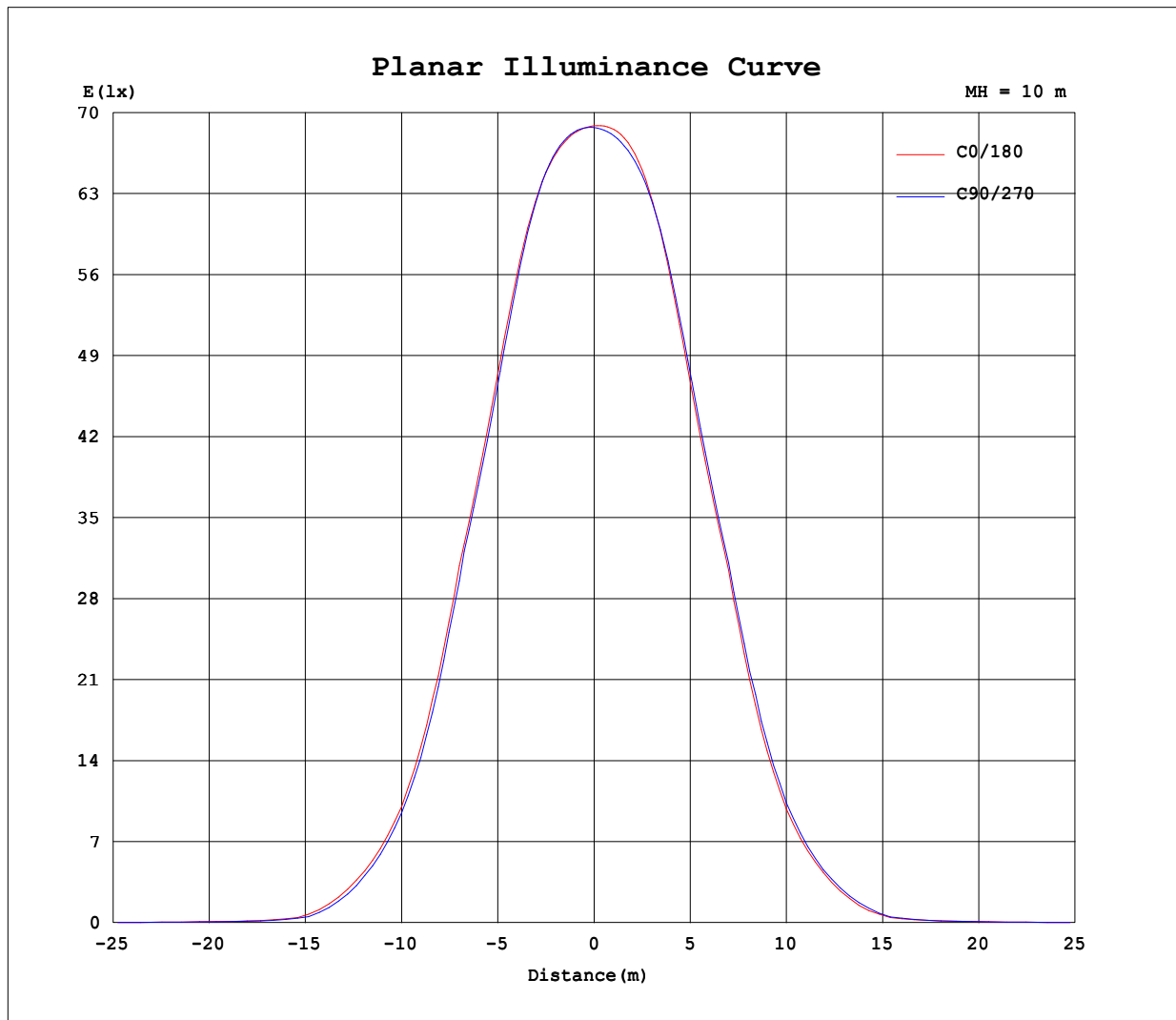
AvgL	cd/m2
L_0~180 (65) av	2443
L_0~180 (75) av	1659
L_0~180 (85) av	1081
L_90~270 (65) av	2267
L_90~270 (75) av	1472
L_90~270 (85) av	922
L_45 (65) av	2341
L_45 (75) av	1545
L_45 (85) av	982

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:DEG
 Operators:
 Test Date:2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:9.351m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: DEG
Operators:
Test Date: 2019-7-9

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 9.351m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.98V I:0.3653A P:82.269W PF:0.9792 Freq:49.99Hz Lamp Flux:12145.8x1 lm		
NAME: DM-80W	TYPE:Glass+90D AL COVER	WEIGHT:2.62kg
SPEC.:5700k-RA80	DIM.: D245*H184mm	SERIAL No.:
MFR.: BT	SUR.:0.175m*0.175m*3.14	Shielding Angle:

Table--1

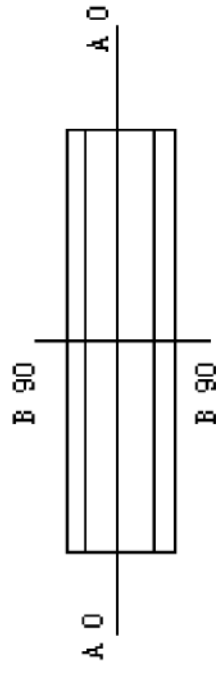
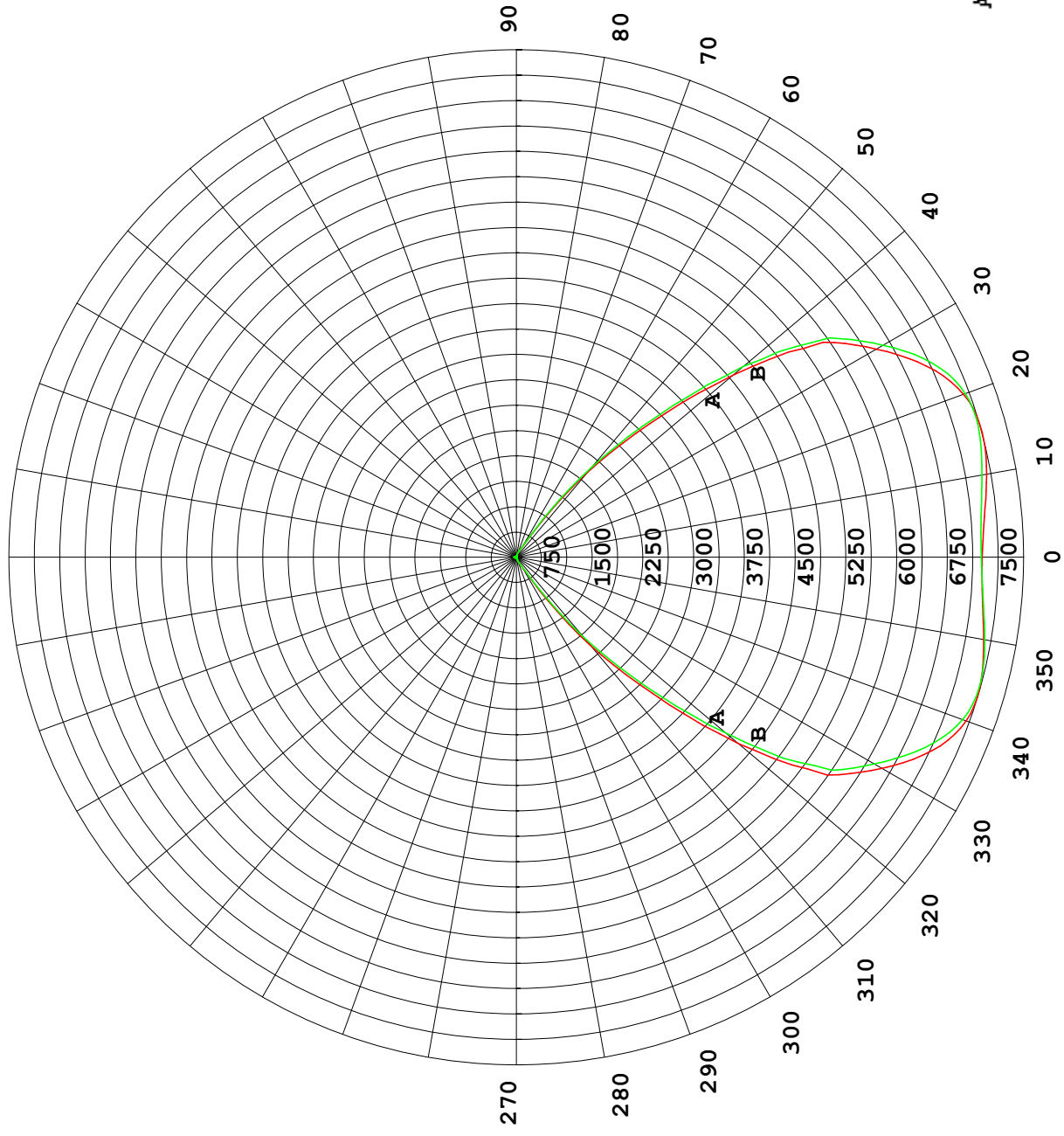
UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	6887	6873	6887	6873														
5	6918	6926	6947	6897														
10	7015	7032	7059	6987														
15	7111	7107	7128	7088														
20	7077	7021	7036	7065														
25	6775	6662	6685	6785														
30	6242	6114	6149	6264														
35	5614	5373	5536	5651														
40	4300	4048	4186	4396														
45	2847	2696	2789	2936														
50	1695	1545	1638	1735														
55	611	479	572	671														
60	158	147	171	170														
65	94.2	88.2	104	96.1														
70	62.1	57.0	67.7	60.1														
75	40.1	35.9	42.5	37.4														
80	22.6	19.3	23.5	20.8														
85	8.99	7.20	9.12	8.25														
90	0.75	0.56	0.48	0.63														
95	0.52	0.48	0.42	0.45														
100	0.76	0.82	0.64	0.56														
105	1.47	1.57	1.20	1.07														
110	2.71	2.85	2.27	2.05														
115	4.64	4.81	3.93	3.66														
120	7.09	7.33	6.22	5.83														
125	9.94	10.2	8.91	8.48														
130	13.1	13.4	11.9	11.4														
135	16.3	16.7	15.2	14.6														
140	19.3	19.8	18.2	17.6														
145	22.2	22.7	21.1	20.5														
150	25.1	25.5	24.1	23.4														
155	27.8	28.2	26.9	26.3														
160	30.4	30.8	29.8	29.2														
165	32.8	33.1	32.4	31.8														
170	34.8	35.0	34.7	34.1														
175	36.3	36.3	36.3	35.8														
180	36.9	36.7	37.0	36.6														

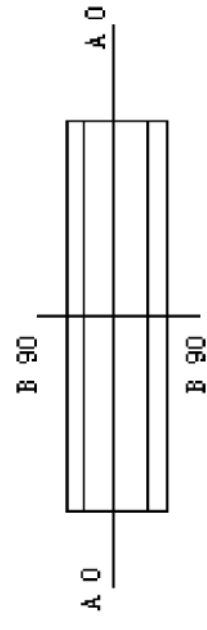
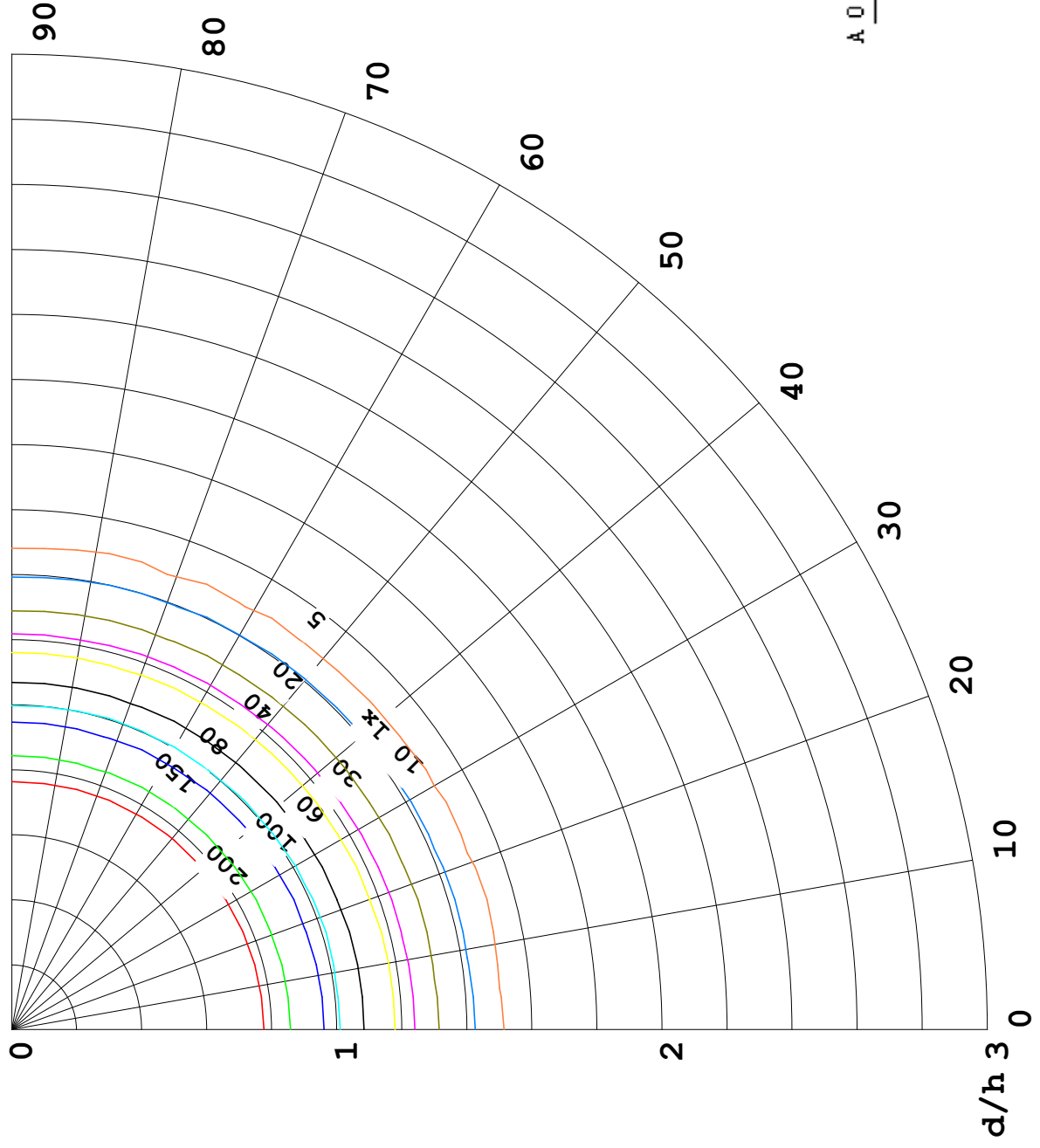
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: DEG
Operators:
Test Date: 2019-7-9

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 9.351m [K=1.0000]
Remarks:

I (cd)



1000 lm $K = 1$



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

