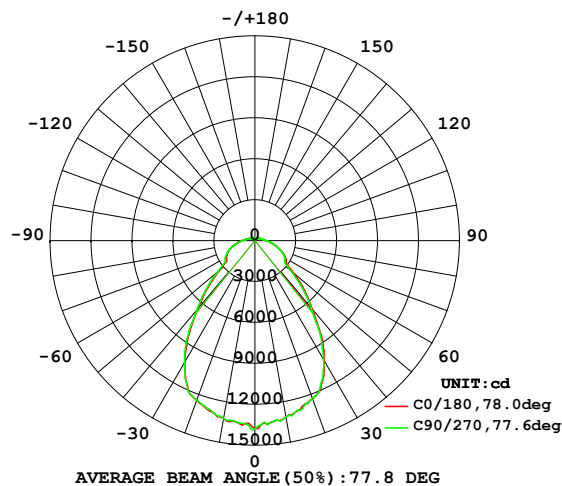


LUMINAIRE PHOTOMETRIC TEST REPORT

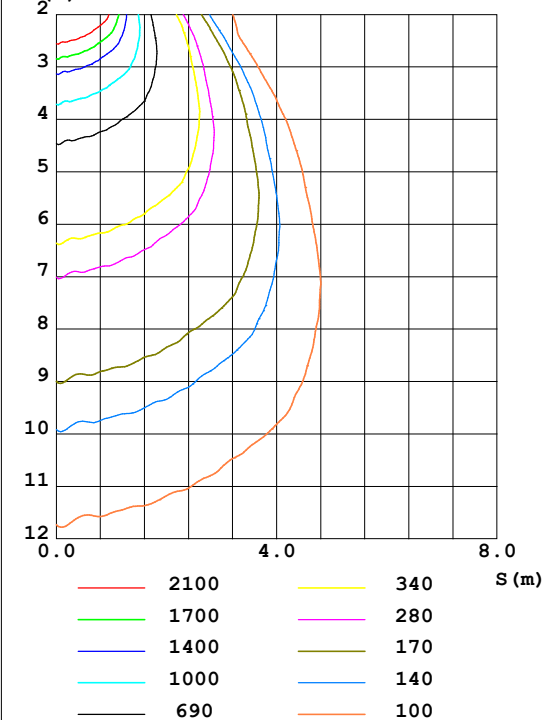
Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	SERIAL No.:
MFR.:	SUR.:0.207m*0.207m*3.14	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.07 lm/W			
MODEL	SMD3030 (757G P20D41)	I _{max} (cd)	13874	S/MH(C0/180)	1.12
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	29554	η UP,DN(C0-180)	4.2,45.5
NOMINAL FLUX(lm)	29553.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.4,45.8
LAMPS INSIDE	1	η up(%)	8.7	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	277	η down(%)	91.3	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



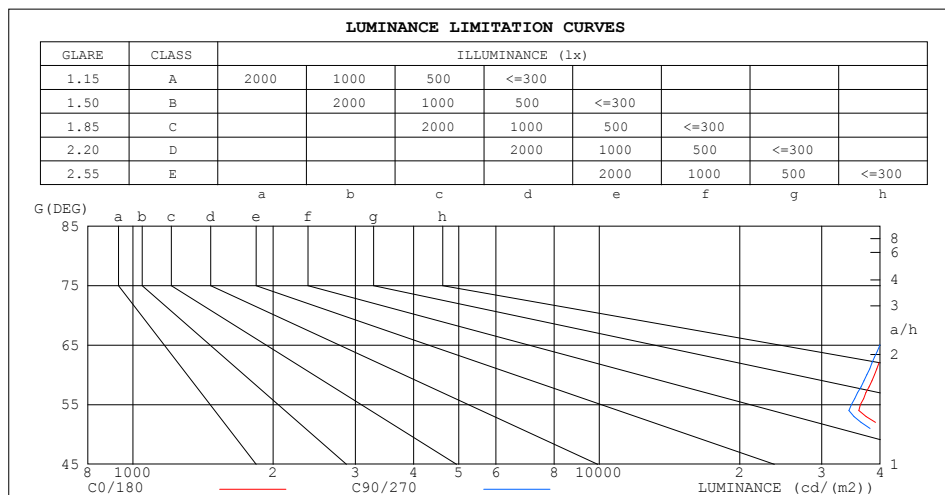
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: GUANLINGAO
 Test Date: 2017-12-28

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:

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	1312	1315	1313	1316	1325	1325	1323	1321	0- 10	1273	1273	4.31,4.31
20	1234	1232	1231	1245	1243	1249	1246	1228	10- 20	3618	4891	16.5,16.5
30	1017	1016	1005	1010	1028	1028	1034	1028	20- 30	5312	10203	34.5,34.5
40	651.7	652.2	639.9	636.1	652.7	649.6	660.6	659.7	30- 40	5231	15434	52.2,52.2
50	369.2	364.4	348.4	339.7	337.7	342.0	356.8	364.6	40- 50	3838	19272	65.2,65.2
60	261.8	258.6	252.2	247.4	242.0	244.5	251.3	256.5	50- 60	2506	21778	73.7,73.7
70	199.3	196.9	196.8	197.9	198.2	199.6	201.1	199.7	60- 70	2250	24029	81.3,81.3
80	130.8	130.2	132.8	138.5	141.9	141.2	139.9	133.9	70- 80	1763	25791	87.3,87.3
90	81.89	82.05	85.04	90.55	94.05	93.32	90.39	85.05	80- 90	1203	26994	91.3,91.3
100	55.62	55.90	58.04	62.11	64.72	64.17	61.64	57.90	90-100	793.9	27788	94,94
110	40.71	41.03	42.46	45.24	46.96	46.54	44.70	42.16	100-110	541.2	28329	95.9,95.9
120	32.51	32.64	33.81	35.54	36.55	36.32	34.95	33.29	110-120	384.2	28713	97.2,97.2
130	28.08	28.15	29.00	30.18	30.73	30.55	29.56	28.39	120-130	284.5	28998	98.1,98.1
140	25.48	25.52	26.20	27.02	27.27	27.19	26.34	25.20	130-140	214.9	29213	98.8,98.8
150	23.60	23.57	24.14	24.71	24.82	24.67	24.00	22.94	140-150	158.1	29371	99.4,99.4
160	21.62	21.58	21.97	22.41	22.24	22.18	21.68	20.74	150-160	106.7	29478	99.7,99.7
170	18.59	18.66	18.87	19.28	19.02	18.96	18.79	18.29	160-170	58.09	29536	99.9,99.9
180	19.55	19.43	19.46	19.38	19.57	19.41	19.47	19.36	170-180	17.92	29554	100,100
DEG	LUMINOUS INTENSITY:×10cd MAX (Ii - Iavg)/Iavg (0-135) = 205.3 %									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	88257	90697
80	55965	56861
75	46794	46897
70	43320	42764
65	41027	39979
60	38922	37483
55	36303	34733
50	42685	40284
45	53821	51641

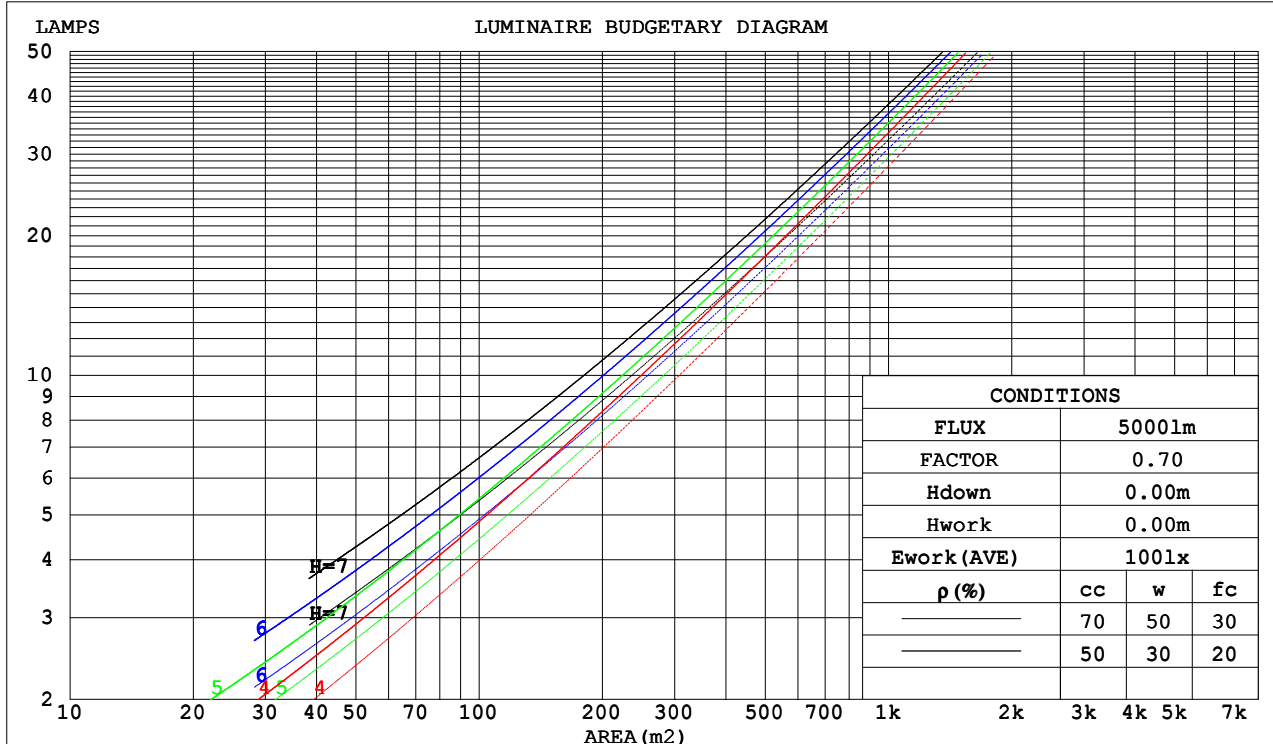
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: GUANLINGAO
 Test Date: 2017-12-28

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	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	.00	.00	.00	.94	.94	.94	.91
1.0	1.02	.98	.94	.99	.95	.92	.93	.90	.87	.88	.85	.83	.83	.81	.79	.76
2.0	.90	.84	.78	.88	.82	.77	.83	.78	.74	.78	.74	.71	.74	.71	.68	.65
3.0	.80	.73	.67	.78	.71	.66	.74	.68	.63	.70	.65	.61	.67	.63	.59	.57
4.0	.72	.64	.58	.71	.63	.57	.67	.61	.56	.64	.58	.54	.61	.56	.52	.50
5.0	.66	.57	.51	.64	.56	.51	.61	.54	.49	.58	.52	.48	.56	.51	.47	.45
6.0	.60	.52	.46	.58	.51	.45	.56	.49	.44	.53	.48	.43	.51	.46	.42	.40
7.0	.55	.47	.41	.54	.46	.41	.51	.45	.40	.49	.43	.39	.47	.42	.38	.36
8.0	.51	.43	.37	.49	.42	.37	.47	.41	.36	.46	.40	.35	.44	.39	.35	.33
9.0	.47	.39	.34	.46	.39	.34	.44	.38	.33	.42	.37	.32	.41	.36	.32	.30
10.0	.43	.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: 2017-12-28

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:

WEC AND CCEC

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	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	.305	.173	.055	.295	.168	.054	.277	.159	.051	.261	.150	.048	.245	.142	.046	
2.0	.274	.150	.046	.265	.146	.045	.249	.139	.043	.234	.131	.041	.221	.125	.039	
3.0	.249	.133	.040	.242	.129	.039	.227	.123	.037	.214	.117	.036	.202	.112	.035	
4.0	.229	.119	.035	.222	.116	.034	.209	.111	.033	.197	.106	.032	.186	.101	.031	
5.0	.211	.108	.031	.205	.105	.031	.193	.101	.030	.183	.096	.029	.173	.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	.025	.160	.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	.072	.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	.219	.219	.219	.150	.150	.150	.086	.086	.086	.027	.027	.027	
1.0	.247	.223	.201	.211	.191	.173	.144	.131	.120	.083	.076	.070	.027	.024	.023	
2.0	.237	.199	.167	.203	.171	.144	.139	.118	.101	.080	.069	.059	.026	.022	.019	
3.0	.228	.181	.145	.195	.157	.125	.134	.109	.088	.077	.064	.052	.025	.021	.017	
4.0	.219	.168	.129	.188	.145	.112	.129	.101	.079	.075	.059	.047	.024	.019	.015	
5.0	.212	.158	.118	.182	.136	.103	.125	.095	.072	.073	.056	.043	.023	.018	.014	
6.0	.204	.149	.110	.176	.129	.096	.121	.090	.068	.070	.053	.040	.023	.017	.013	
7.0	.198	.142	.104	.170	.123	.090	.117	.087	.064	.068	.051	.038	.022	.017	.013	
8.0	.191	.137	.099	.165	.118	.086	.114	.083	.061	.066	.049	.036	.021	.016	.012	
9.0	.186	.132	.095	.160	.114	.083	.111	.080	.059	.065	.047	.035	.021	.016	.012	
10.0	.180	.127	.092	.155	.111	.081	.108	.078	.057	.063	.046	.034	.020	.015	.011	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: GUANLINGAO
 Test Date: 2017-12-28

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:

UGR(Unified Glare Rating) Table

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm										
NAME: LM-200W					TYPE:GLASS+80°PC cover			WEIGHT:5.721kg		
SPEC.:5000k R80 480L					DIM.: D414mm*403mm			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	24.2	25.5	24.6	25.8	26.2	24.1	25.3	24.4	25.7	26.0
3H	25.9	27.1	26.3	27.5	27.9	25.8	27.0	26.2	27.4	27.8
4H	26.8	28.0	27.3	28.4	28.8	26.7	27.9	27.2	28.3	28.7
6H	27.8	28.8	28.2	29.2	29.7	27.7	28.8	28.2	29.2	29.6
8H	28.3	29.3	28.7	29.7	30.2	28.2	29.3	28.7	29.7	30.2
12H	28.8	29.8	29.3	30.3	30.7	28.8	29.8	29.3	30.3	30.7
4H 2H	24.7	25.9	25.2	26.3	26.7	24.6	25.8	25.1	26.1	26.6
3H	26.7	27.7	27.2	28.2	28.6	26.6	27.6	27.1	28.1	28.5
4H	27.8	28.7	28.3	29.2	29.7	27.8	28.7	28.3	29.1	29.6
6H	29.0	29.8	29.5	30.2	30.8	28.9	29.7	29.5	30.2	30.8
8H	29.6	30.3	30.1	30.8	31.4	29.6	30.3	30.1	30.8	31.4
12H	30.2	30.9	30.8	31.5	32.0	30.3	31.0	30.8	31.5	32.1
8H 4H	28.2	29.0	28.8	29.5	30.1	28.2	28.9	28.7	29.4	30.0
6H	29.6	30.2	30.2	30.8	31.4	29.6	30.2	30.2	30.8	31.4
8H	30.4	31.0	31.0	31.5	32.2	30.4	31.0	31.0	31.5	32.2
12H	31.3	31.8	31.9	32.4	33.0	31.3	31.8	31.9	32.4	33.1
12H 4H	28.3	29.0	28.9	29.5	30.1	28.3	29.0	28.8	29.5	30.1
6H	29.8	30.4	30.4	30.9	31.6	29.8	30.3	30.4	30.9	31.5
8H	30.7	31.2	31.3	31.7	32.4	30.7	31.2	31.3	31.8	32.4
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 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 29554 lm Total Lamp Luminous Flux. (8log(F/F0) = 11.8)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: GUANLINGAO
 Test Date: 2017-12-28

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:

UTILIZATION FACTORS TABLE

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	SERIAL No.:
MFR.:	SUR.:0.207m*0.207m*3.14	PROTECTION ANGLE:

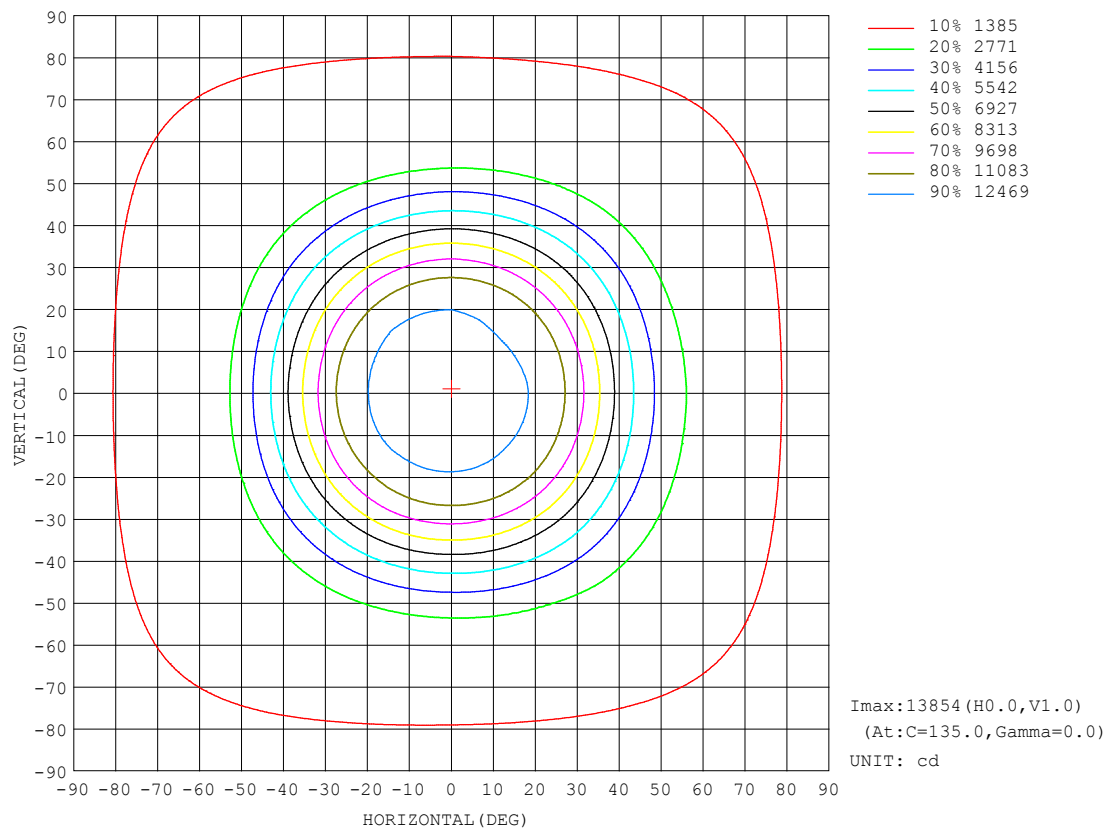
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	62	52	46	61	52	46	60	51	45	40
0.80	71	61	54	70	60	54	68	59	53	47
1.00	78	68	61	77	67	61	74	68	60	53
1.25	84	74	68	82	73	67	79	71	66	58
1.50	88	79	73	86	78	72	83	76	70	62
2.00	94	86	80	92	84	78	87	81	76	67
2.50	98	90	84	95	88	83	90	85	80	70
3.00	100	94	88	98	92	86	93	88	83	73
4.00	104	98	94	101	96	92	96	91	88	77
5.00	106	101	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: 2017-12-28

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:

ISOCANDELA DIAGRAM

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	SERIAL No.:
MFR.:	SUR.:0.207m*0.207m*3.14	PROTECTION ANGLE:

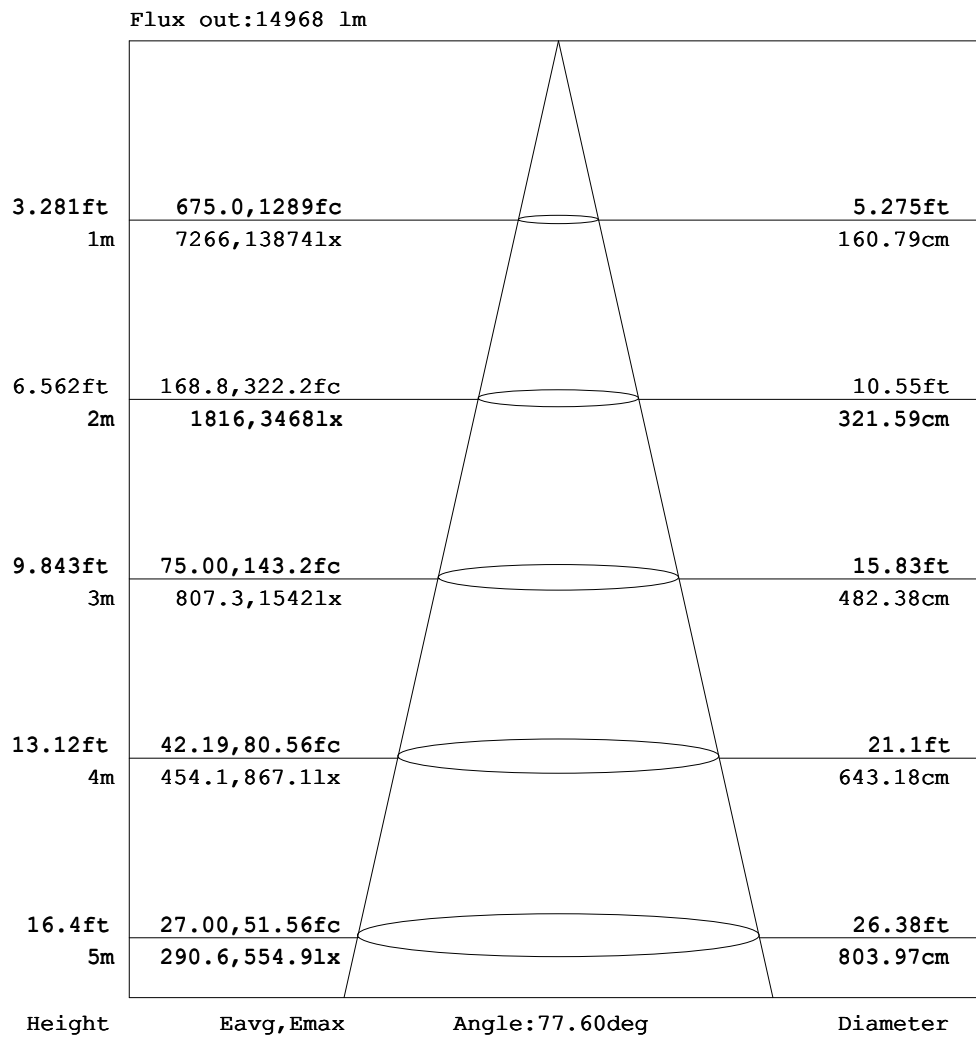


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: GUANLINGAO
Test Date: 2017-12-28

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:

AAI Figure

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	SERIAL No.:
MFR.:	SUR.:0.207m*0.207m*3.14	PROTECTION ANGLE:



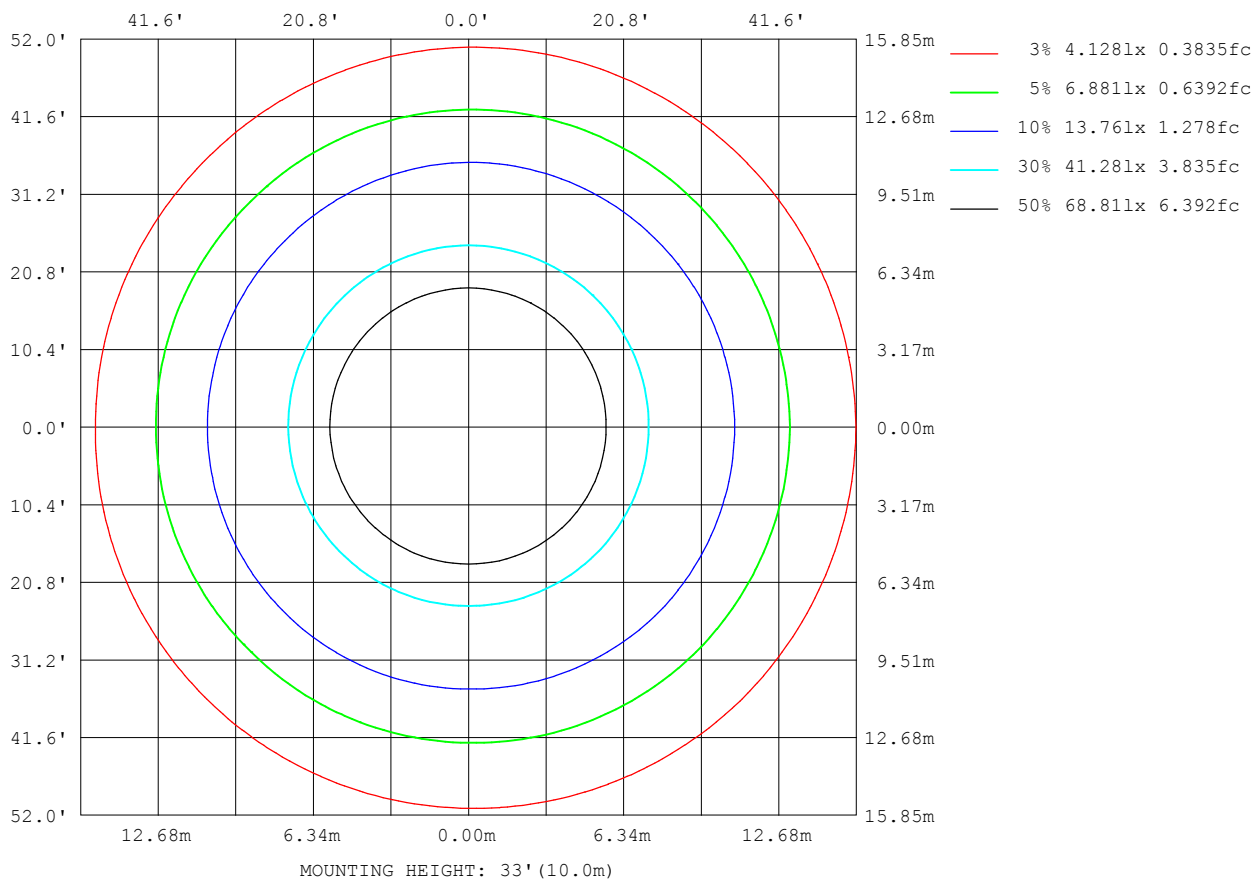
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:GUANLINGAO
Test Date:2017-12-28

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:

ISOLUX DIAGRAM

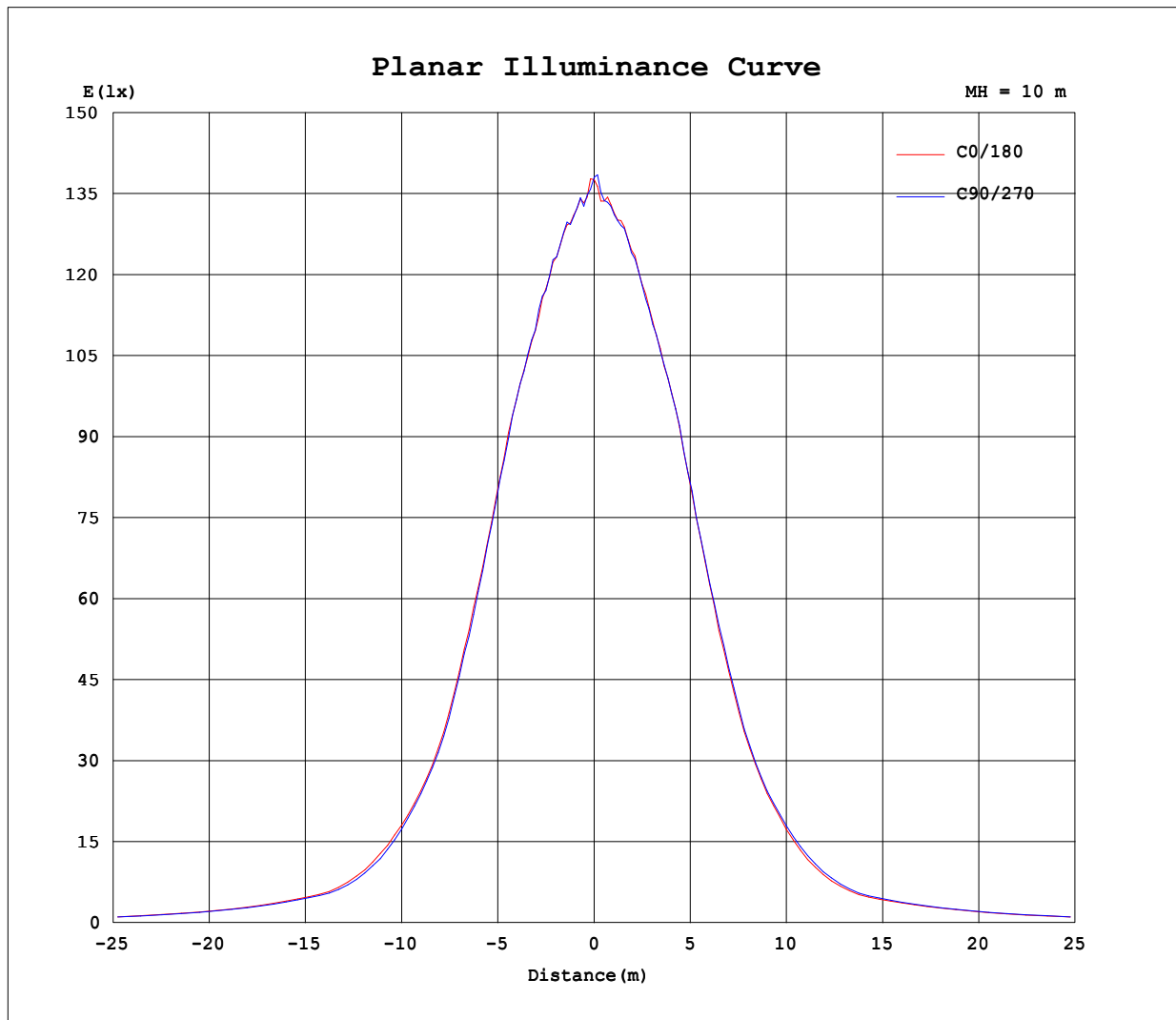
Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	SERIAL No.:
MFR.:	SUR.:0.207m*0.207m*3.14	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: GUANLINGAO
Test Date: 2017-12-28

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: GUANLINGAO
Test Date: 2017-12-28

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.1V I:0.7592A P:199.6W PF:0.9486 Lamp Flux:29553.7x1 lm		
NAME: LM-200W	TYPE:GLASS+80°PC cover	WEIGHT:5.721kg
SPEC.:5000k R80 480L	DIM.: D414mm*403mm	SERIAL No.:
MFR.:	SUR.:0.207m*0.207m*3.14	PROTECTION ANGLE:

Table--1

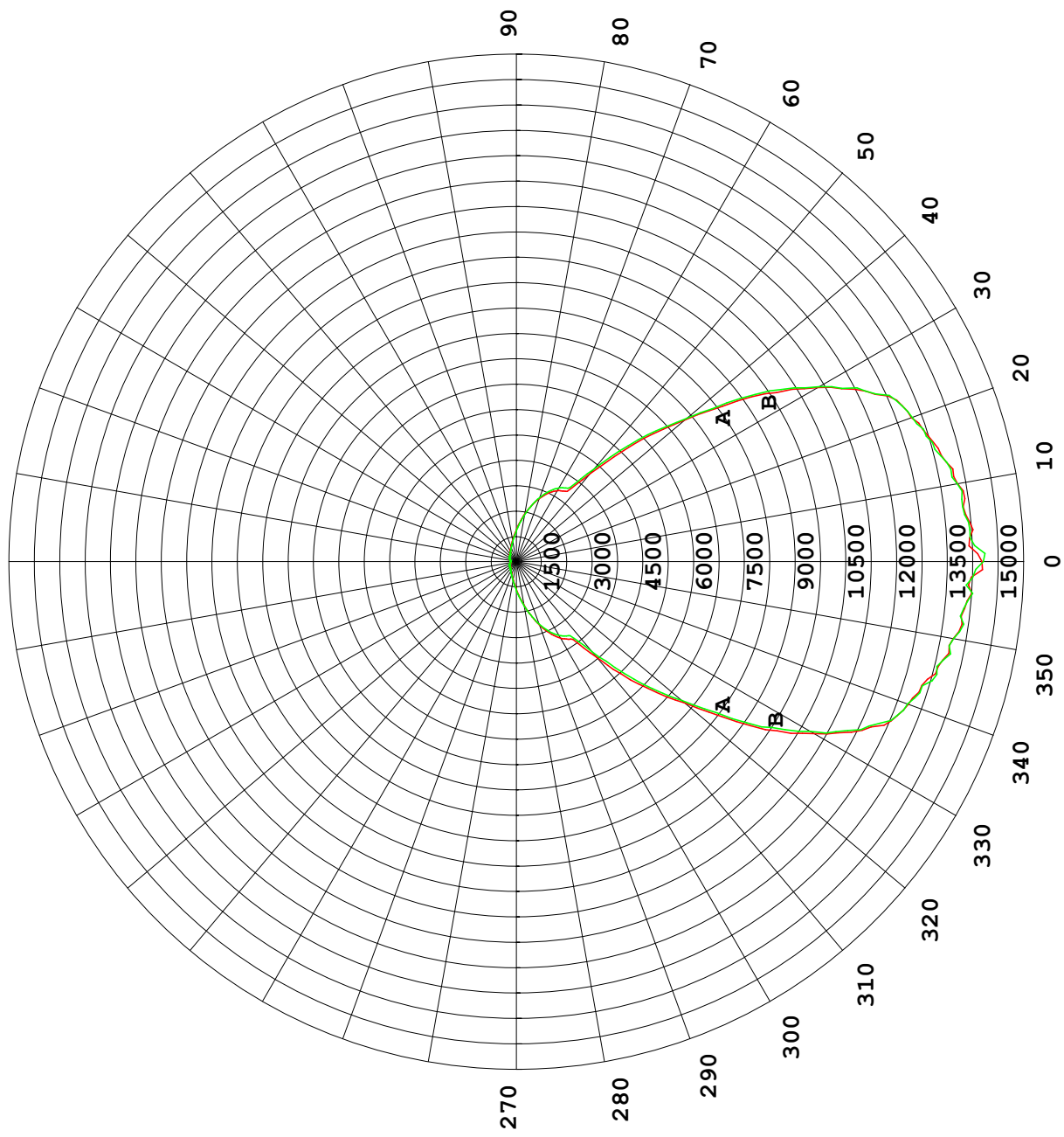
UNIT: ×10cd

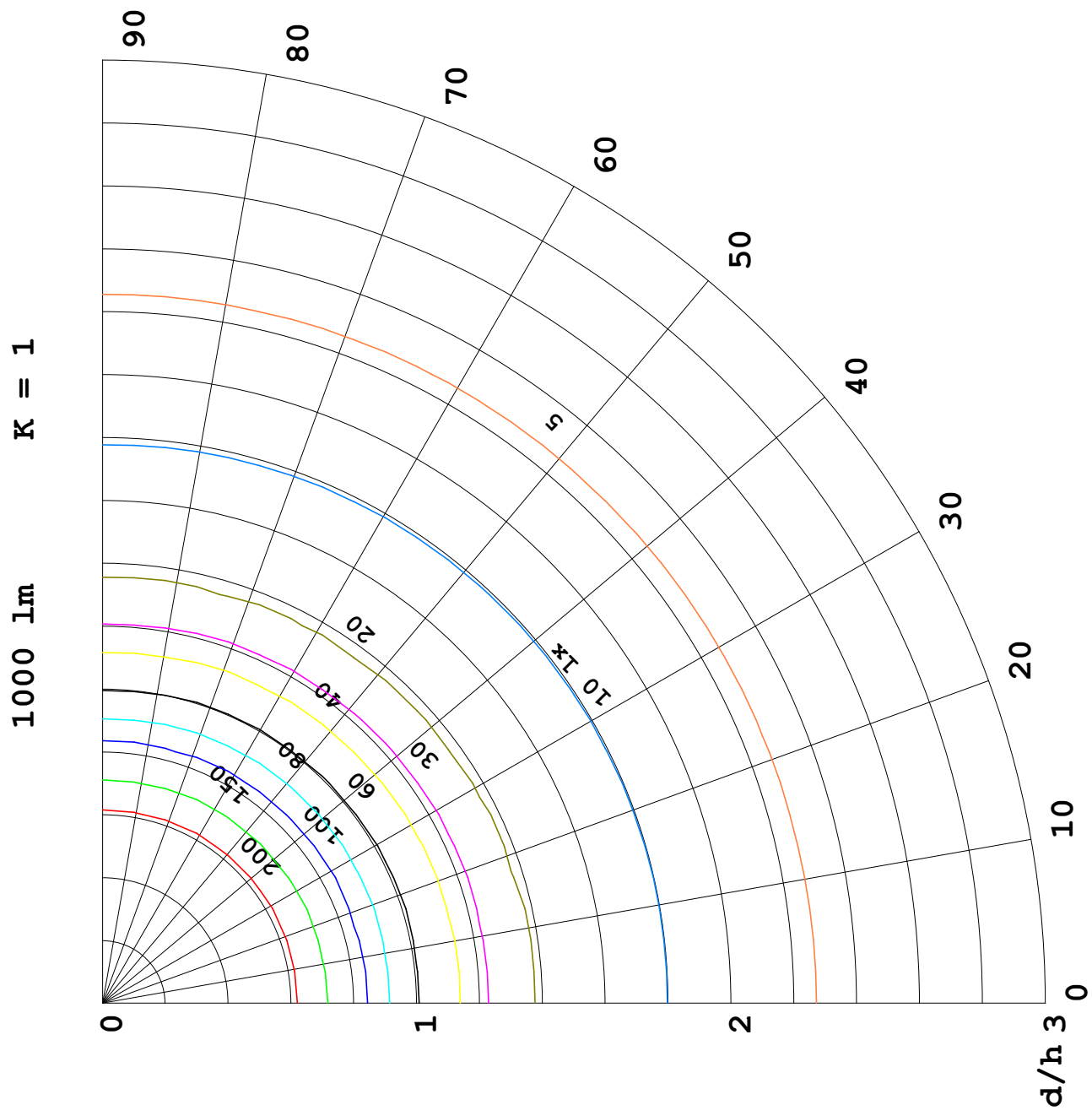
C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1376	1375	1380	1387	1376	1375	1380	1387										
5	1338	1339	1339	1338	1345	1345	1342	1351										
10	1312	1315	1313	1316	1325	1325	1323	1321										
15	1283	1278	1288	1276	1292	1296	1282	1265										
20	1234	1232	1231	1245	1243	1249	1246	1228										
25	1158	1154	1150	1160	1170	1169	1173	1163										
30	1017	1016	1005	1010	1028	1028	1034	1028										
35	847	842	831	836	849	852	861	849										
40	652	652	640	636	653	650	661	660										
45	512	507	491	484	490	493	509	512										
50	369	364	348	340	338	342	357	365										
55	280	277	268	261	254	257	265	273										
60	262	259	252	247	242	244	251	257										
65	233	231	227	225	223	225	229	231										
70	199	197	197	198	198	200	201	200										
75	163	162	163	168	170	170	170	165										
80	131	130	133	138	142	141	140	134										
85	103	103	106	112	116	115	113	107										
90	81.9	82.1	85.0	90.6	94.0	93.3	90.4	85.0										
95	67.0	67.2	69.9	74.6	77.7	77.0	74.2	69.7										
100	55.6	55.9	58.0	62.1	64.7	64.2	61.6	57.9										
105	47.1	47.4	49.1	52.5	54.7	54.2	52.0	48.9										
110	40.7	41.0	42.5	45.2	47.0	46.5	44.7	42.2										
115	36.0	36.1	37.5	39.8	41.1	40.7	39.2	37.1										
120	32.5	32.6	33.8	35.5	36.6	36.3	34.9	33.3										
125	30.0	30.1	31.1	32.5	33.3	33.0	31.9	30.5										
130	28.1	28.1	29.0	30.2	30.7	30.6	29.6	28.4										
135	26.6	26.7	27.4	28.4	28.8	28.7	27.8	26.7										
140	25.5	25.5	26.2	27.0	27.3	27.2	26.3	25.2										
145	24.5	24.5	25.1	25.8	26.0	25.9	25.1	24.0										
150	23.6	23.6	24.1	24.7	24.8	24.7	24.0	22.9										
155	22.7	22.7	23.2	23.6	23.6	23.5	22.9	21.9										
160	21.6	21.6	22.0	22.4	22.2	22.2	21.7	20.7										
165	20.1	20.2	20.4	20.9	20.7	20.6	20.3	19.6										
170	18.6	18.7	18.9	19.3	19.0	19.0	18.8	18.3										
175	18.8	18.9	18.9	19.1	19.2	19.1	19.0	18.7										
180	19.6	19.4	19.5	19.4	19.6	19.4	19.5	19.4										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: GUANLINGAO
 Test Date: 2017-12-28

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:

I (cd)





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

