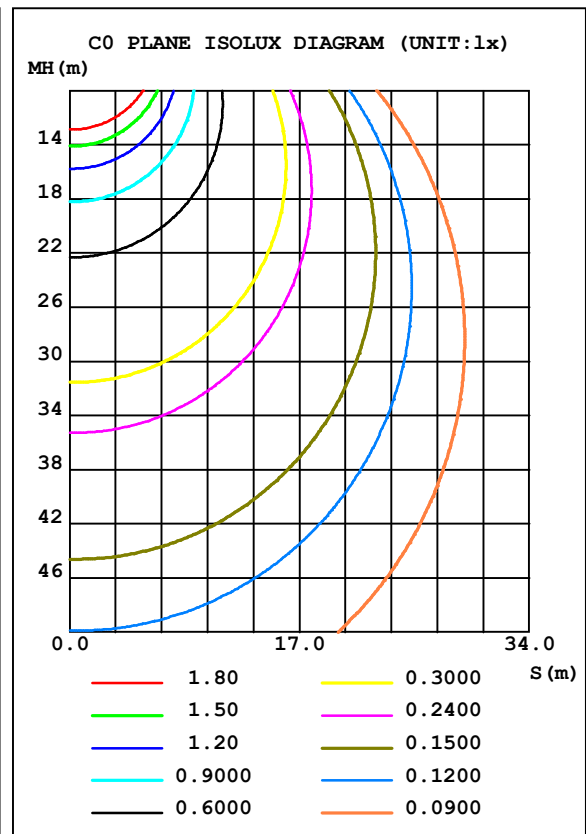
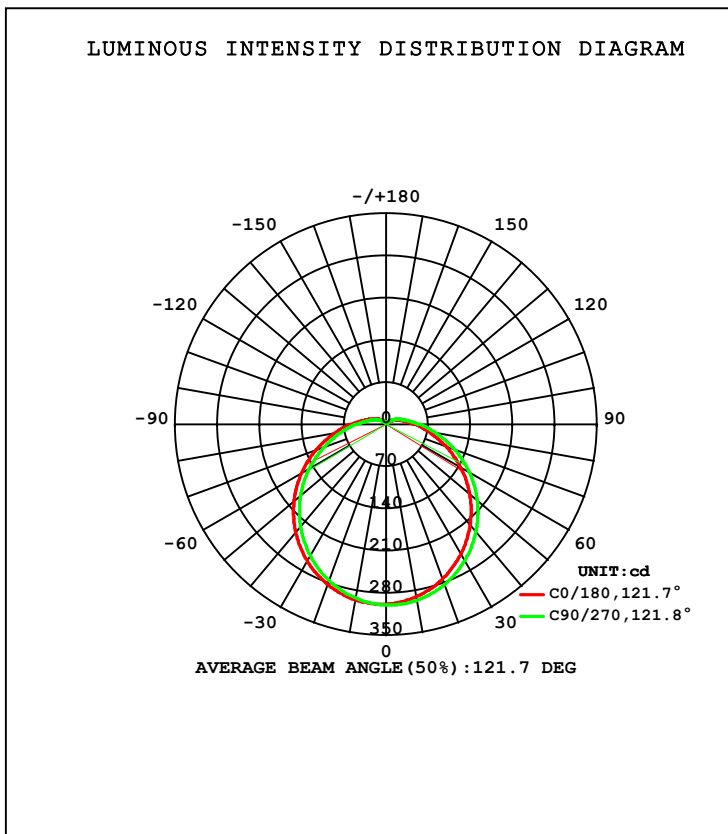


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.19 lm/W
MODEL	6500K	I _{max} (cd)	301.0	S/MH (C0/180)	1.30	
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1133.6	η UP, DN (C0-180)	5.5, 43.9	
NOMINAL FLUX (lm)	1133.56	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.6, 45.0	
LAMPS INSIDE	1	η up (%)	11.1	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120.9	η down (%)	88.9	CIBSE SHR MAX	1.50	



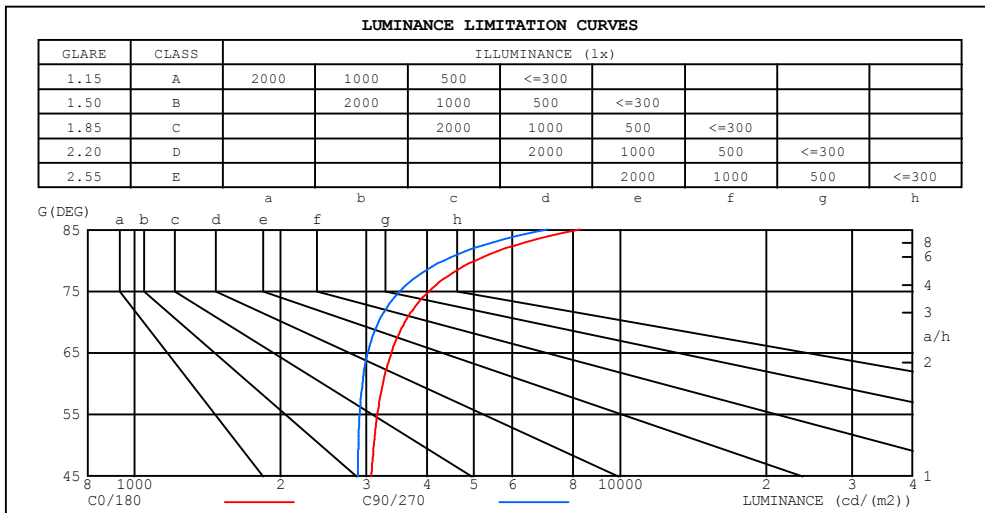
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity: 65.0%
 Test Distance: 12.983m [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
5	298.5	298.1	297.6	297.5	295.7	297.8	299.5	300.6	0- 5	7.149	7.149	0.63,0.63
10	295.9	294.7	292.9	292.0	290.7	293.7	296.3	298.2	5- 10	21.21	28.35	2.5,2.5
15	290.7	288.5	285.7	284.4	283.2	287.1	291.0	293.2	10- 15	34.56	62.91	5.55,5.55
20	283.3	280.2	276.4	274.6	273.6	278.4	283.3	285.9	15- 20	46.78	109.7	9.68,9.68
25	273.6	269.7	265.0	262.9	262.0	267.6	273.4	276.4	20- 25	57.53	167.2	14.8,14.8
30	262.1	257.4	252.0	249.4	248.7	254.9	261.3	264.8	25- 30	66.48	233.7	20.6,20.6
35	248.5	243.5	237.1	234.4	233.7	240.6	247.7	251.4	30- 35	73.43	307.1	27.1,27.1
40	233.7	227.9	221.2	218.0	217.4	224.7	232.5	236.4	35- 40	78.21	385.3	34.34
45	217.2	211.2	203.9	200.5	200.1	207.7	215.8	220.0	40- 45	80.76	466.1	41.1,41.1
50	199.9	193.4	185.7	182.1	181.6	189.6	198.0	202.3	45- 50	81.07	547.2	48.3,48.3
55	181.3	174.7	166.8	162.9	162.6	170.7	179.3	183.6	50- 55	79.22	626.4	55.3,55.3
60	162.3	155.4	147.3	143.4	143.1	151.2	159.8	164.4	55- 60	75.39	701.8	61.9,61.9
65	142.7	135.8	127.7	123.9	123.7	131.6	140.1	144.6	60- 65	69.80	771.6	68.1,68.1
70	123.3	116.4	108.7	105.2	105.1	112.5	120.4	124.8	65- 70	62.84	834.4	73.6,73.6
75	104.5	98.14	91.04	87.96	87.07	93.56	101.1	105.6	70- 75	54.99	889.4	78.5,78.5
80	87.32	81.47	75.21	72.66	71.98	77.53	83.61	87.23	75- 80	46.91	936.3	82.6,82.6
85	72.14	67.03	61.62	59.46	59.05	63.64	68.66	71.84	80- 85	39.33	975.7	86.1,86.1
90	59.11	54.82	50.23	48.40	48.22	51.94	55.94	58.67	85- 90	32.46	1008	88.9,88.9
95	48.16	44.68	40.95	39.58	39.48	42.34	45.48	47.77	90- 95	26.48	1035	91.3,91.3
100	39.35	36.66	33.71	32.64	32.58	34.80	37.11	38.99	95-100	21.48	1056	93.2,93.2
105	32.43	30.42	28.06	27.20	27.12	28.84	30.57	32.10	100-105	17.43	1074	94.7,94.7
110	27.01	25.46	23.48	22.68	22.58	24.00	25.40	26.69	105-110	14.16	1088	96.96
115	22.56	21.24	19.50	18.72	18.59	19.79	21.01	22.21	110-115	11.41	1099	97.97
120	18.65	17.56	16.04	15.31	15.11	16.12	17.19	18.29	115-120	9.045	1108	97.8,97.8
125	15.24	14.37	13.06	12.38	12.15	12.98	13.88	14.87	120-125	7.019	1115	98.4,98.4
130	12.34	11.64	10.54	9.907	9.638	10.30	11.04	11.94	125-130	5.327	1120	98.8,98.8
135	9.874	9.331	8.440	7.869	7.571	8.061	8.679	9.461	130-135	3.950	1124	99.2,99.2
140	7.836	7.421	6.722	6.230	5.903	6.255	6.738	7.395	135-140	2.859	1127	99.4,99.4
145	6.171	5.898	5.389	4.976	4.637	4.855	5.205	5.744	140-145	2.026	1129	99.6,99.6
150	4.886	4.727	4.398	4.075	3.757	3.837	4.076	4.488	145-150	1.416	1131	99.8,99.8
155	3.951	3.917	3.733	3.515	3.242	3.221	3.303	3.599	150-155	0.9878	1132	99.8,99.8
160	3.341	3.426	3.337	3.228	3.038	2.961	2.903	3.100	155-160	0.7008	1132	99.9,99.9
165	3.080	3.213	3.209	3.158	3.002	2.873	2.756	2.881	160-165	0.5061	1133	99.9,99.9
170	3.000	3.128	3.209	3.167	3.028	2.851	2.712	2.809	165-170	0.3550	1133	100,100
175	2.946	3.069	3.151	3.081	2.864	2.709	2.694	2.735	170-175	0.2119	1133	100,100
180	2.758	2.755	2.753	2.753	2.753	2.755	2.751	2.755	175-180	0.0673	1134	100,100
DEG	LUMINOUS INTENSITY:cd										UNIT:lm	



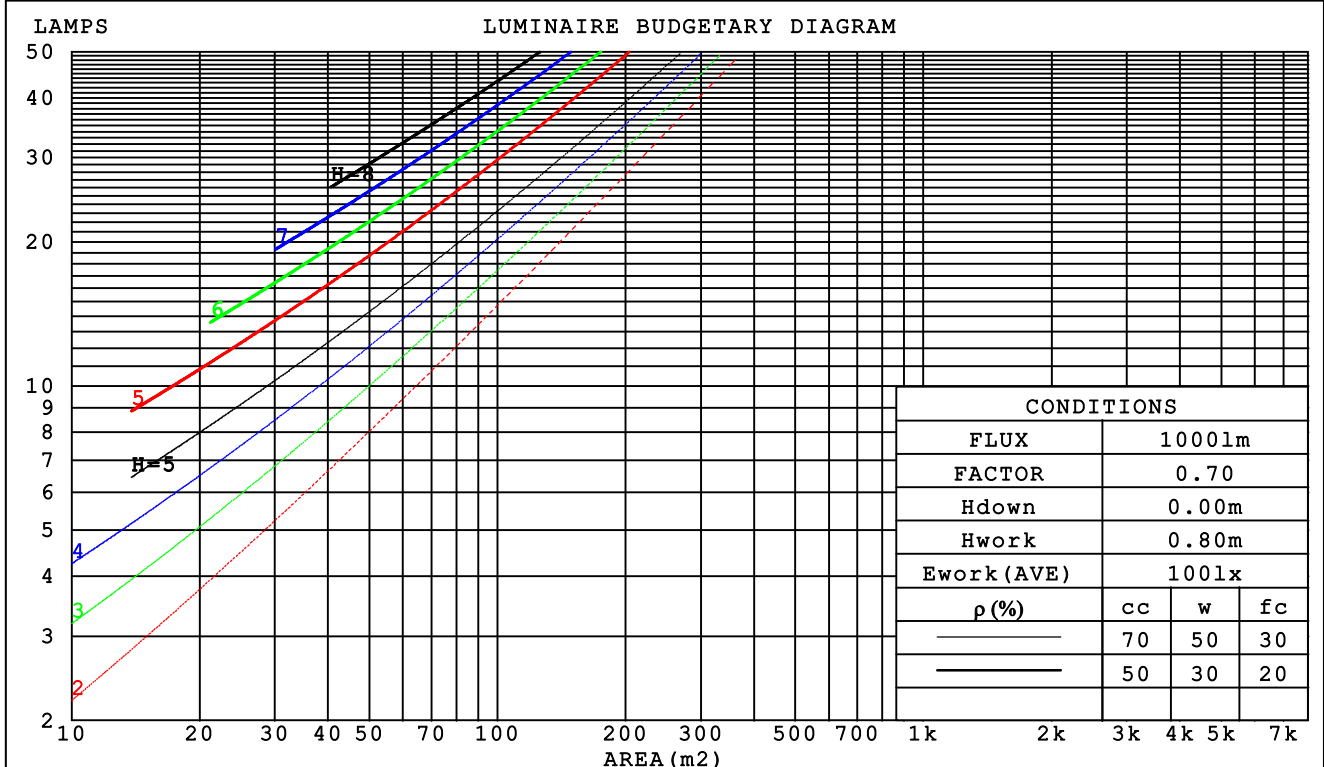
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-03-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity: 65.0%
Test Distance: 12.983m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	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	1.16	1.16	1.16	1.12	1.12	1.12	1.05	1.05	1.05	.98	.98	.98	.92	.92	.92	.89
1.0	.98	.93	.88	.95	.90	.86	.88	.85	.81	.83	.79	.77	.77	.75	.72	.69
2.0	.84	.77	.70	.81	.75	.69	.76	.70	.65	.71	.66	.62	.66	.63	.59	.56
3.0	.73	.65	.58	.71	.63	.56	.66	.60	.54	.62	.56	.52	.58	.53	.49	.46
4.0	.65	.55	.48	.63	.54	.47	.59	.51	.45	.55	.49	.44	.51	.46	.42	.39
5.0	.58	.48	.41	.56	.47	.40	.52	.45	.39	.49	.43	.37	.46	.41	.36	.34
6.0	.52	.42	.36	.50	.41	.35	.47	.40	.34	.44	.38	.33	.42	.36	.32	.29
7.0	.47	.38	.31	.45	.37	.31	.43	.35	.30	.40	.34	.29	.38	.32	.28	.26
8.0	.42	.34	.28	.41	.33	.27	.39	.32	.26	.37	.30	.26	.35	.29	.25	.23
9.0	.39	.30	.25	.38	.30	.24	.36	.29	.24	.34	.28	.23	.32	.27	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.30	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity:65.0%
 Test Distance:12.983m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.369	.210	.066	.358	.204	.065	.338	.194	.062	.320	.185	.059	.303	.176	.057	
2.0	.324	.178	.055	.315	.173	.053	.297	.165	.051	.281	.157	.049	.265	.150	.047	
3.0	.291	.155	.046	.282	.151	.045	.266	.144	.044	.251	.138	.042	.238	.132	.041	
4.0	.263	.137	.040	.255	.134	.040	.241	.128	.038	.228	.122	.037	.215	.117	.036	
5.0	.240	.122	.035	.233	.120	.035	.220	.115	.034	.208	.110	.033	.197	.105	.032	
6.0	.221	.111	.032	.214	.108	.031	.202	.104	.030	.191	.099	.029	.181	.095	.028	
7.0	.204	.101	.029	.198	.099	.028	.187	.095	.027	.177	.091	.026	.168	.087	.026	
8.0	.189	.093	.026	.184	.091	.026	.174	.087	.025	.165	.084	.024	.157	.080	.023	
9.0	.177	.085	.024	.172	.084	.024	.163	.081	.023	.155	.077	.022	.147	.074	.022	
10.0	.166	.079	.022	.161	.078	.022	.153	.075	.021	.145	.072	.021	.138	.069	.020	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.275	.275	.275	.235	.235	.235	.160	.160	.160	.092	.092	.092	.029	.029	.029	
1.0	.269	.241	.215	.230	.207	.185	.158	.142	.128	.091	.082	.074	.029	.026	.024	
2.0	.262	.217	.180	.225	.187	.155	.154	.129	.108	.089	.075	.063	.028	.024	.021	
3.0	.254	.200	.157	.218	.173	.136	.150	.120	.096	.087	.070	.056	.028	.023	.018	
4.0	.247	.188	.143	.212	.162	.124	.146	.113	.087	.084	.066	.052	.027	.022	.017	
5.0	.239	.178	.132	.205	.154	.115	.141	.107	.081	.082	.063	.048	.026	.021	.016	
6.0	.232	.170	.125	.199	.147	.109	.137	.103	.077	.080	.060	.046	.026	.020	.015	
7.0	.224	.163	.120	.193	.141	.104	.133	.099	.074	.078	.058	.044	.025	.019	.015	
8.0	.218	.157	.116	.188	.136	.101	.130	.096	.071	.075	.056	.043	.024	.019	.014	
9.0	.212	.152	.112	.182	.132	.098	.126	.093	.070	.074	.055	.042	.024	.018	.014	
10.0	.206	.148	.110	.177	.129	.096	.123	.091	.068	.072	.054	.041	.023	.018	.013	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:12.983m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm										
NAME: BR30球泡					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:2#		
MFR.: 惠州市华阳光电技术有限公司					SUR.:			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	16.3	17.7	16.7	18.1	18.5	15.9	17.3	16.3	17.7	18.2
3H	18.3	19.7	18.8	20.1	20.6	17.8	19.2	18.3	19.6	20.1
4H	19.4	20.7	19.9	21.1	21.6	18.8	20.1	19.3	20.5	21.0
6H	20.6	21.7	21.0	22.2	22.7	19.9	21.1	20.4	21.5	22.0
8H	21.2	22.3	21.7	22.8	23.3	20.4	21.6	20.9	22.1	22.6
12H	21.9	23.0	22.4	23.5	24.0	21.1	22.2	21.6	22.7	23.2
4H 2H	16.9	18.2	17.4	18.6	19.1	16.6	17.9	17.1	18.4	18.9
3H	19.2	20.3	19.7	20.8	21.4	18.8	19.9	19.3	20.4	21.0
4H	20.5	21.5	21.0	22.0	22.6	20.0	21.0	20.5	21.5	22.1
6H	21.8	22.7	22.3	23.2	23.8	21.2	22.1	21.7	22.6	23.2
8H	22.5	23.4	23.1	23.9	24.5	21.8	22.7	22.4	23.3	23.9
12H	23.3	24.1	23.9	24.7	25.3	22.6	23.4	23.2	24.0	24.6
8H 4H	20.9	21.7	21.5	22.3	22.9	20.5	21.3	21.0	21.9	22.5
6H	22.5	23.2	23.1	23.8	24.5	22.0	22.7	22.6	23.3	23.9
8H	23.4	24.0	24.0	24.6	25.3	22.8	23.5	23.4	24.1	24.7
12H	24.4	25.0	25.1	25.6	26.3	23.8	24.3	24.4	25.0	25.7
12H 4H	21.0	21.8	21.6	22.3	23.0	20.6	21.4	21.2	21.9	22.6
6H	22.7	23.3	23.3	23.9	24.6	22.2	22.8	22.8	23.4	24.1
8H	23.7	24.2	24.3	24.9	25.6	23.1	23.7	23.8	24.3	25.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1134 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:12.983m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

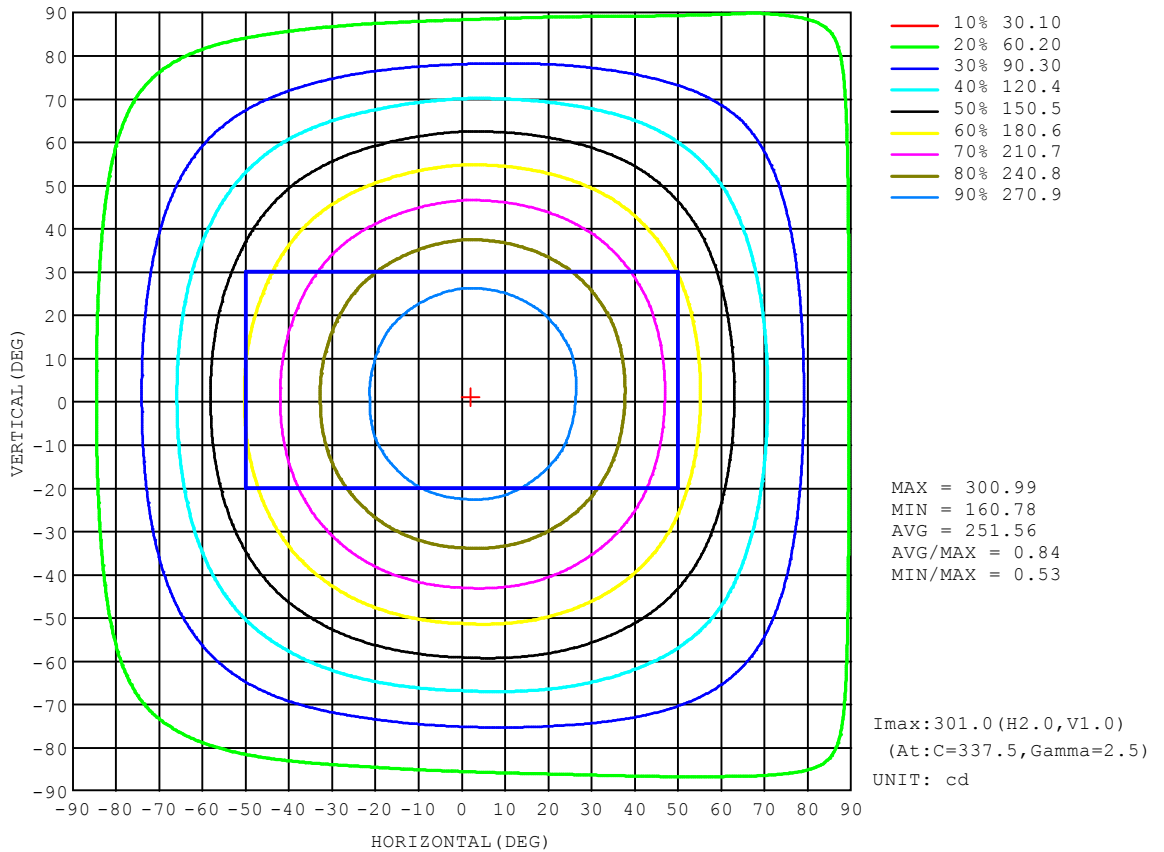
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	38	31	49	38	31	25
0.80	60	48	40	59	47	40	57	46	39	32
1.00	68	56	48	67	55	47	64	56	47	38
1.25	75	63	55	73	62	54	70	60	53	44
1.50	80	69	61	78	67	60	74	65	58	49
2.00	87	77	69	85	75	68	80	72	66	56
2.50	92	82	75	89	80	73	84	76	71	60
3.00	95	87	80	92	84	78	87	80	75	63
4.00	100	92	86	97	90	84	91	85	81	68
5.00	103	96	91	99	94	89	93	88	84	71
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:12.983m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

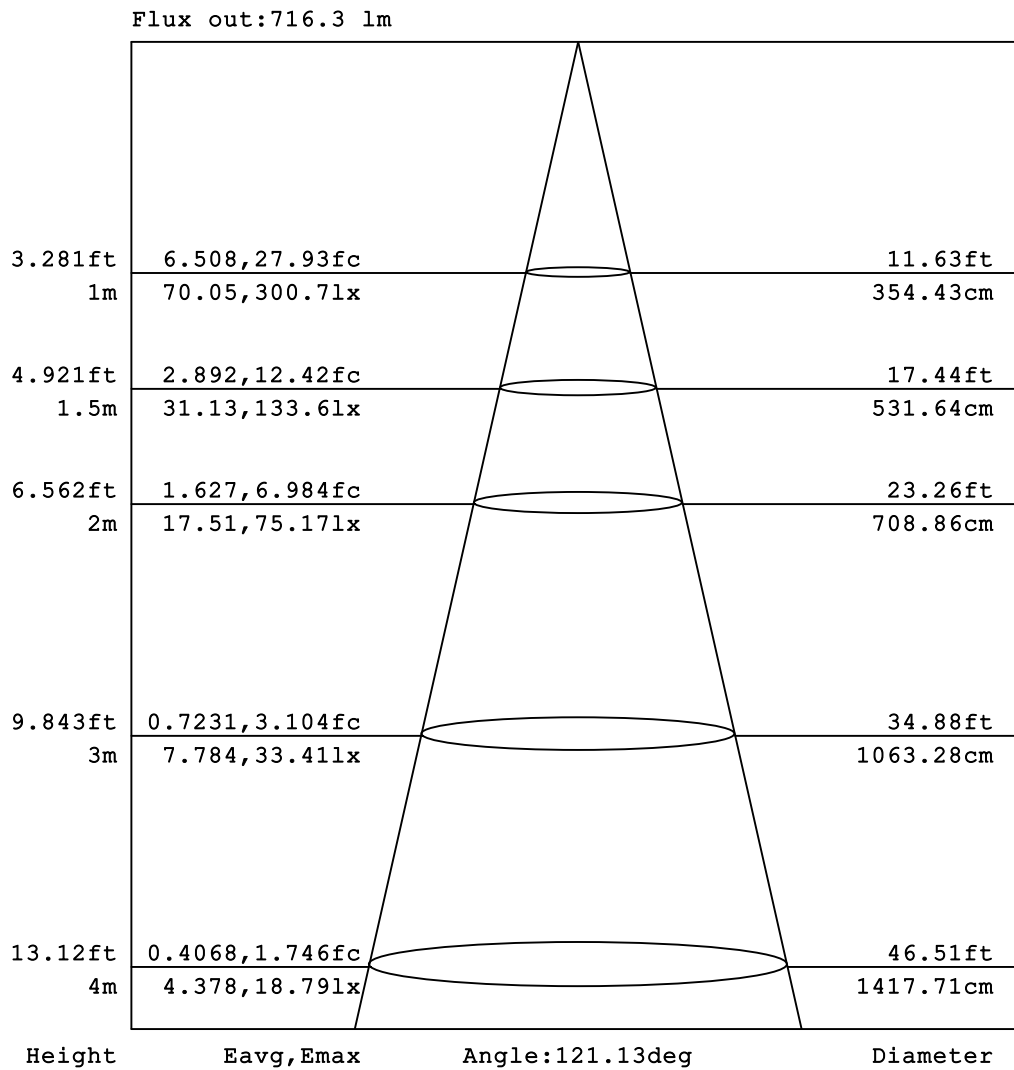


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 Humidity:65.0%
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 Remarks:

AAI Figure

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:



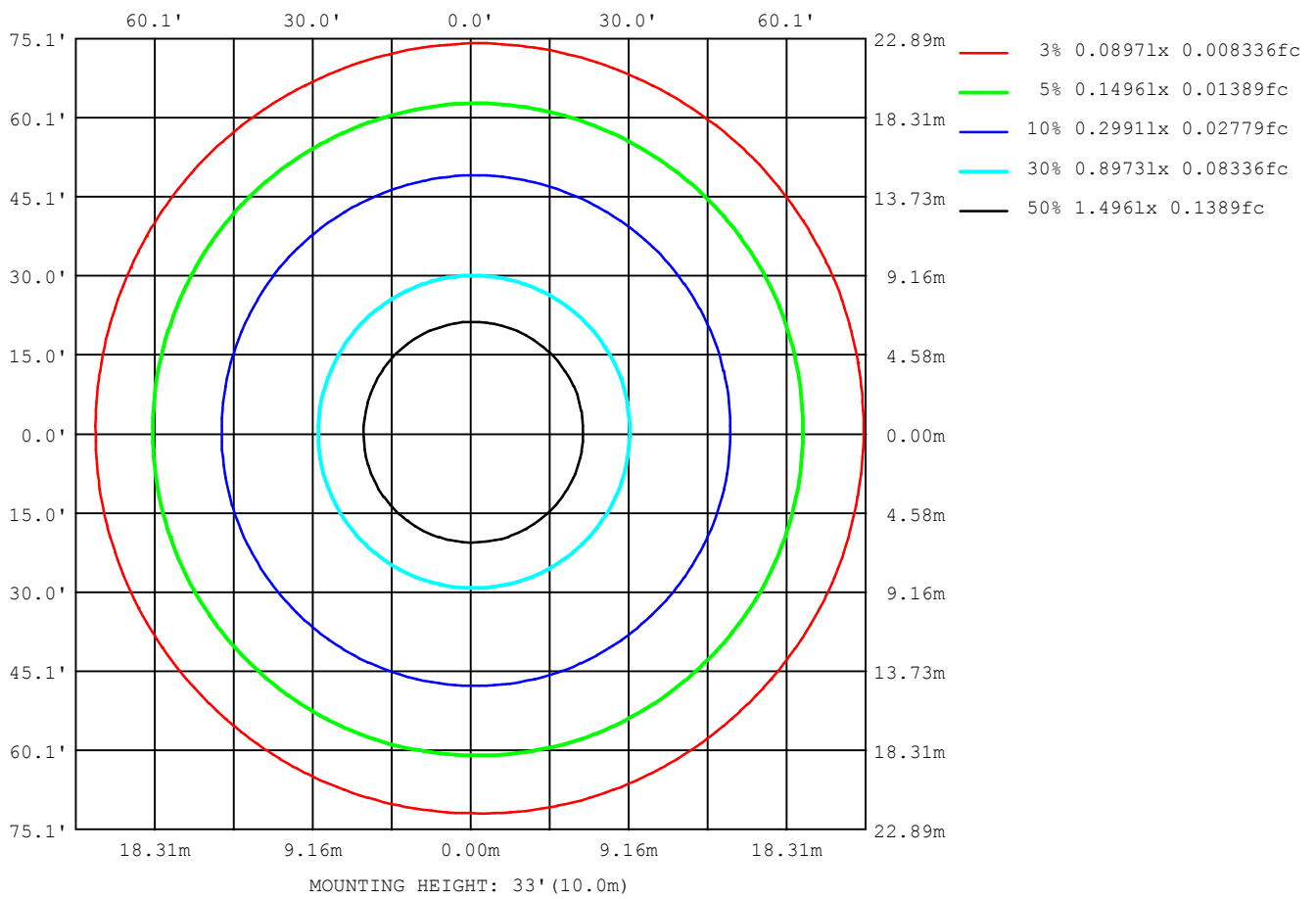
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:12.983m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity: 65.0%
 Test Distance: 12.983m [K=1.0000]
 Remarks:

Average Luminance Table (CIBSE)

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	1133.56	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	3161	3152	3134	3102	3065	3032	3006	2977	2941	2908	2889	2876	2861	2846	2837	2834	2833	2831	2835
60	3246	3232	3209	3172	3129	3092	3063	3030	2987	2947	2926	2911	2893	2875	2863	2857	2856	2856	2863
65	3377	3363	3336	3292	3239	3195	3159	3120	3068	3021	2998	2981	2960	2940	2927	2923	2922	2921	2928
70	3604	3587	3554	3499	3434	3380	3340	3294	3233	3178	3151	3132	3108	3084	3069	3062	3061	3062	3072
75	4036	4006	3962	3901	3829	3755	3685	3620	3566	3518	3469	3429	3410	3402	3387	3363	3347	3347	3364
80	5029	4965	4895	4818	4735	4645	4553	4467	4395	4331	4270	4220	4197	4188	4170	4143	4124	4124	4145
85	8277	8162	8038	7906	7765	7610	7447	7298	7177	7071	6966	6882	6843	6828	6802	6761	6735	6738	6776

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	8277	200	---	500
Category 2	65 to 90	8277	200	---	500
Category 3	75 to 90	8277	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:12.983m [K=1.0000]
Remarks:

Average Luminance Table (CIBSE)

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	1133.56	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	3161	3152	3134	3102	3065	3032	3006	2977	2941	2908	2889	2876	2861	2846	2837	2834	2833	2831	2835
60	3246	3232	3209	3172	3129	3092	3063	3030	2987	2947	2926	2911	2893	2875	2863	2857	2856	2856	2863
65	3377	3363	3336	3292	3239	3195	3159	3120	3068	3021	2998	2981	2960	2940	2927	2923	2922	2921	2928
70	3604	3587	3554	3499	3434	3380	3340	3294	3233	3178	3151	3132	3108	3084	3069	3062	3061	3062	3072
75	4036	4006	3962	3901	3829	3755	3685	3620	3566	3518	3469	3429	3410	3402	3387	3363	3347	3347	3364
80	5029	4965	4895	4818	4735	4645	4553	4467	4395	4331	4270	4220	4197	4188	4170	4143	4124	4124	4145
85	8277	8162	8038	7906	7765	7610	7447	7298	7177	7071	6966	6882	6843	6828	6802	6761	6735	6738	6776

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	8277	1000	1500	200	500
65 to 90	8277	1000	1500	200	500

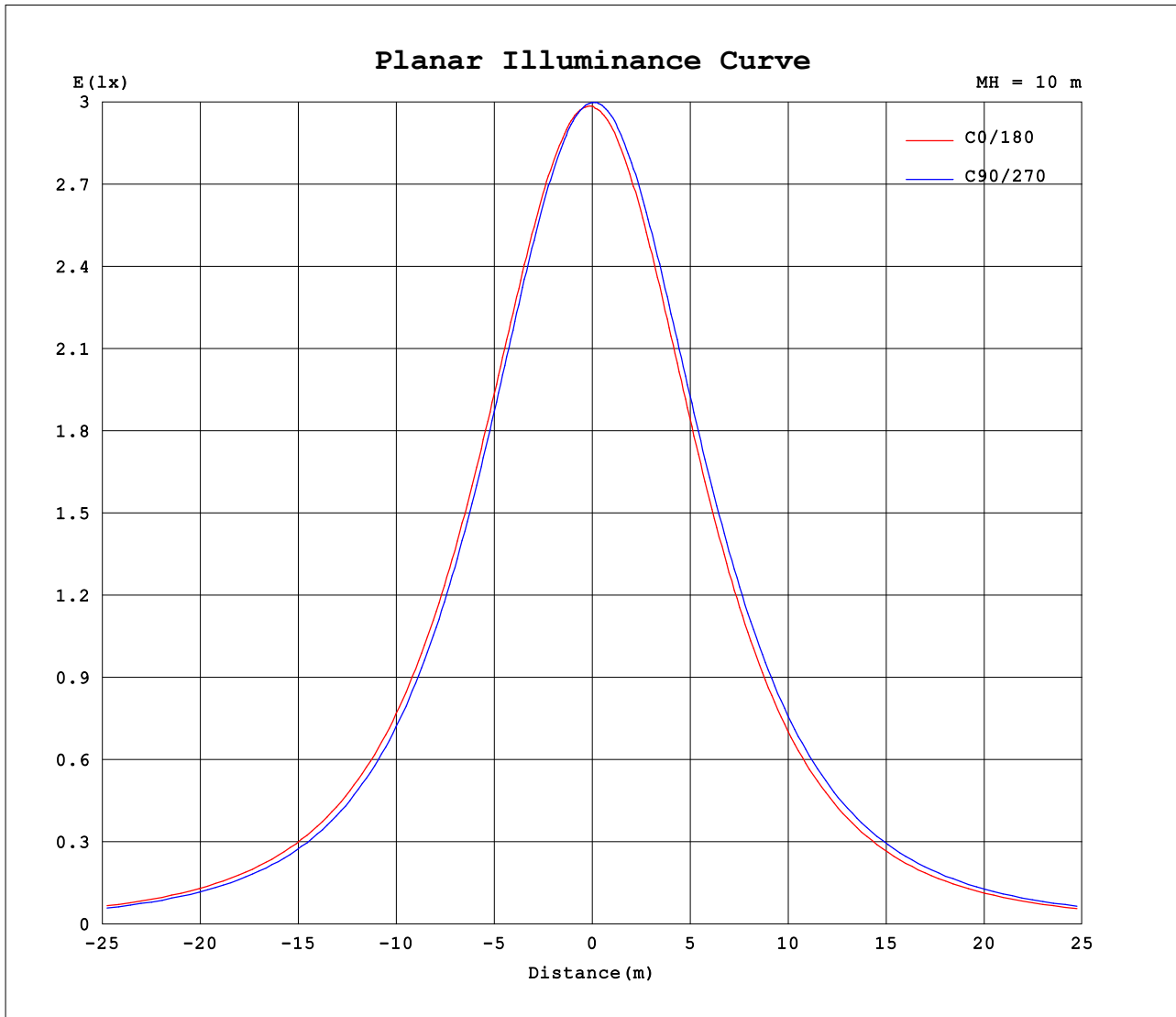
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:12.983m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity: 65.0%
 Test Distance: 12.983m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.9V I:0.1731A P:12.57W PF:0.6005 Lamp Flux:1133.56x1 lm		
NAME: BR30球泡	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2#
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	299	299	299	300	300	300	300	301	299	299	299	300	300	300	300	301			
5	299	299	298	298	298	298	297	298	296	297	298	299	300	300	301	301			
10	296	296	295	294	293	292	292	292	291	292	294	295	296	297	298	298			
15	291	290	289	287	286	285	284	284	283	285	287	289	291	292	293	293			
20	283	282	280	279	276	276	275	275	274	275	278	281	283	285	286	286			
25	274	272	270	268	265	264	263	263	262	264	268	270	273	275	276	277			
30	262	261	257	255	252	251	249	249	249	251	255	258	261	263	265	265			
35	249	247	243	241	237	236	234	234	234	236	241	244	248	250	251	252			
40	234	232	228	225	221	220	218	218	217	220	225	228	232	234	236	237			
45	217	215	211	208	204	202	200	200	200	203	208	211	216	218	220	220			
50	200	198	193	190	186	184	182	182	182	184	190	193	198	200	202	203			
55	181	179	175	171	167	165	163	163	163	165	171	174	179	181	184	184			
60	162	160	155	152	147	145	143	143	143	146	151	155	160	162	164	165			
65	143	141	136	132	128	126	124	124	124	126	132	135	140	142	145	145			
70	123	121	116	113	109	107	105	105	105	107	113	116	120	122	125	125			
75	104	102	98.1	94.1	91.0	88.5	88.0	86.7	87.1	90.1	93.6	97.6	101	103	106	106			
80	87.3	84.7	81.5	77.9	75.2	73.1	72.7	71.7	72.0	74.6	77.5	81.0	83.6	86.1	87.2	88.9			
85	72.1	69.8	67.0	63.9	61.6	59.8	59.5	58.7	59.1	61.2	63.6	66.4	68.7	70.8	71.8	73.3			
90	59.1	57.2	54.8	52.2	50.2	48.8	48.4	48.0	48.2	49.8	51.9	54.1	55.9	57.8	58.7	60.0			
95	48.2	46.7	44.7	42.6	40.9	39.8	39.6	39.3	39.5	40.8	42.3	44.0	45.5	46.9	47.8	48.8			
100	39.3	38.2	36.7	35.0	33.7	32.8	32.6	32.5	32.6	33.6	34.8	36.0	37.1	38.2	39.0	39.9			
105	32.4	31.6	30.4	29.1	28.1	27.3	27.2	27.1	27.1	27.9	28.8	29.8	30.6	31.5	32.1	32.8			
110	27.0	26.4	25.5	24.4	23.5	22.8	22.7	22.6	22.6	23.3	24.0	24.8	25.4	26.1	26.7	27.3			
115	22.6	22.0	21.2	20.3	19.5	18.9	18.7	18.6	18.6	19.2	19.8	20.4	21.0	21.7	22.2	22.7			
120	18.6	18.2	17.6	16.8	16.0	15.4	15.3	15.2	15.1	15.6	16.1	16.7	17.2	17.8	18.3	18.7			
125	15.2	14.9	14.4	13.7	13.1	12.5	12.4	12.3	12.2	12.5	13.0	13.4	13.9	14.4	14.9	15.3			
130	12.3	12.0	11.6	11.1	10.5	10.1	9.91	9.79	9.64	9.95	10.3	10.6	11.0	11.5	11.9	12.3			
135	9.87	9.67	9.33	8.89	8.44	8.03	7.87	7.75	7.57	7.79	8.06	8.34	8.68	9.11	9.46	9.77			
140	7.84	7.68	7.42	7.08	6.72	6.39	6.23	6.10	5.90	6.06	6.26	6.47	6.74	7.10	7.39	7.67			
145	6.17	6.08	5.90	5.66	5.39	5.13	4.98	4.85	4.64	4.72	4.85	5.01	5.21	5.49	5.74	5.99			
150	4.89	4.84	4.73	4.58	4.40	4.21	4.08	3.96	3.76	3.76	3.84	3.95	4.08	4.29	4.49	4.70			
155	3.95	3.96	3.92	3.84	3.73	3.62	3.51	3.41	3.24	3.19	3.22	3.25	3.30	3.43	3.60	3.78			
160	3.34	3.39	3.43	3.40	3.34	3.28	3.23	3.15	3.04	2.96	2.96	2.91	2.90	2.95	3.10	3.20			
165	3.08	3.14	3.21	3.23	3.21	3.18	3.16	3.10	3.00	2.90	2.87	2.74	2.76	2.75	2.88	2.94			
170	3.00	3.05	3.13	3.20	3.21	3.19	3.17	3.11	3.03	2.92	2.85	2.72	2.71	2.72	2.81	2.88			
175	2.95	3.01	3.07	3.10	3.15	3.15	3.08	3.00	2.86	2.79	2.71	2.70	2.69	2.72	2.73	2.79			
180	2.76	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.76	2.75	2.75	2.75	2.75	2.75	2.75			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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Operators:
Test Date:2021-03-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
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