

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

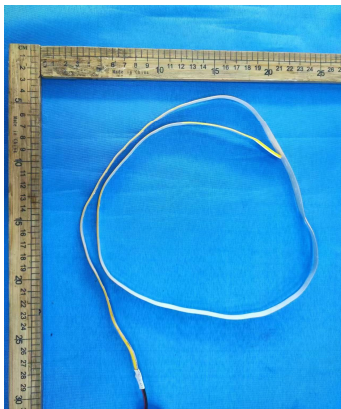
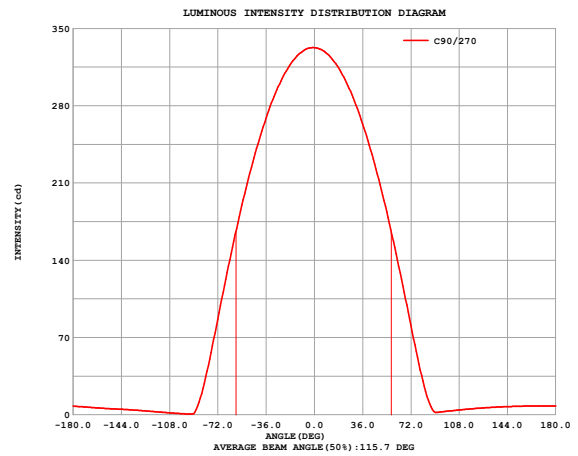
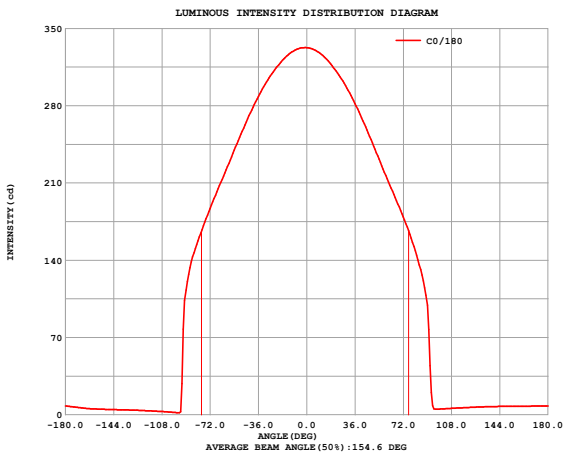
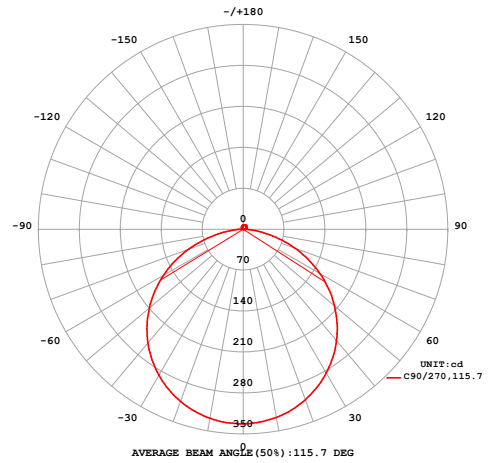
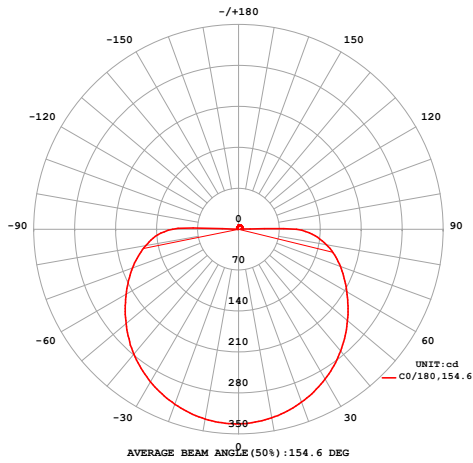


Fig. C0/C180

Fig. C90/C270

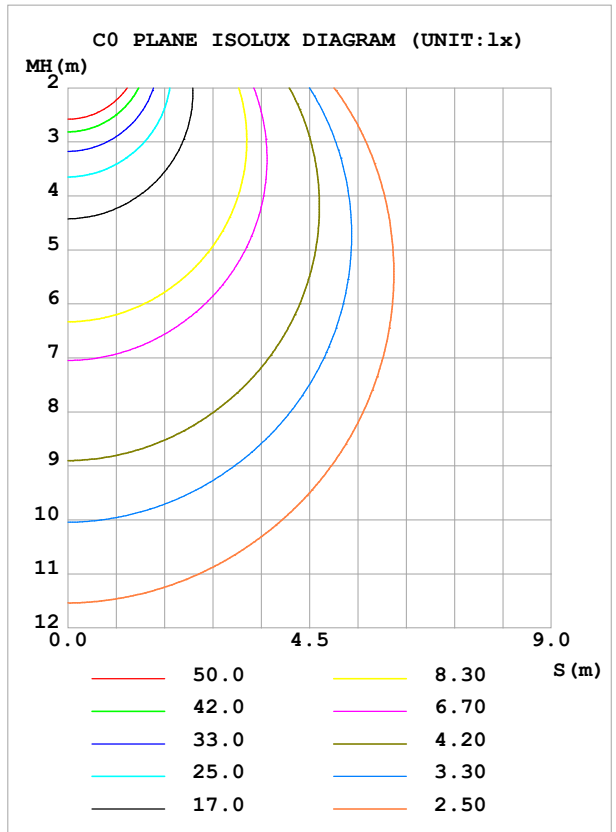
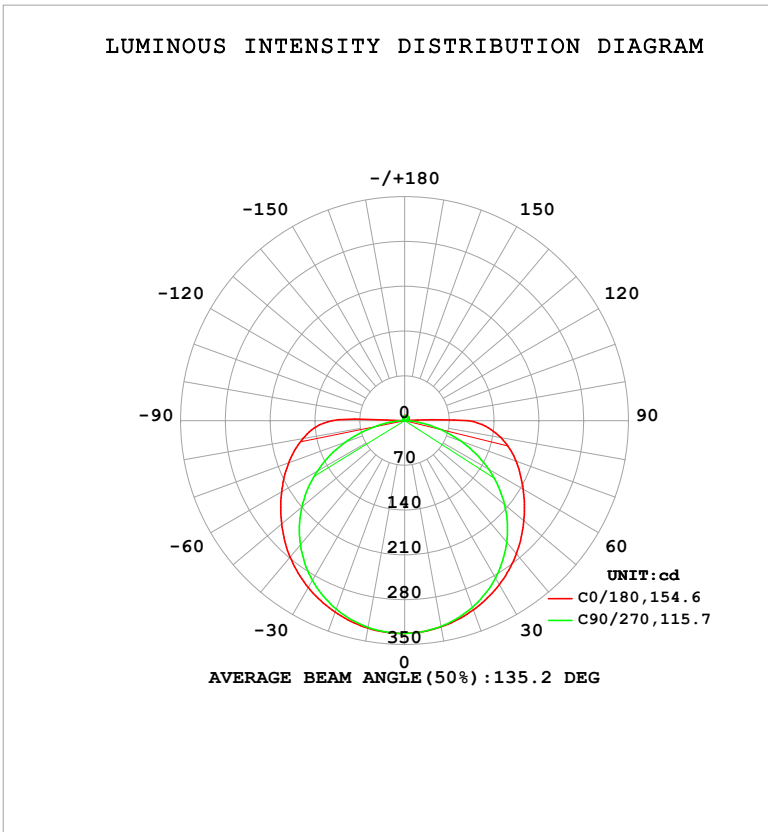
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz		
UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	332.7	S/MH (C0/180)	1.35
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	1248.2	η UP, DN (C0-180)	1.9, 48.0
NOMINAL FLUX (lm)	1248.23	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 48.7
LAMPS INSIDE	1	η up (%)	3.3	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	12	η down (%)	96.7	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 8.050m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	327.4	326.7	326.5	327.9	329.4	329.2	328.2	327.9	0- 10	31.52	31.52	2.53,2.53
20	314.6	311.9	310.3	314.0	318.4	316.5	313.3	314.2	10- 20	91.00	122.5	9.82,9.82
30	296.0	289.0	284.0	292.0	301.3	295.4	288.4	292.1	20- 30	140.4	262.9	21.1,21.1
40	271.8	259.2	248.3	263.3	278.6	267.4	253.6	263.1	30- 40	174.5	437.4	35,35
50	243.3	223.7	203.8	228.6	251.2	232.8	209.6	227.9	40- 50	190.0	627.4	50.3,50.3
60	213.9	185.4	151.5	190.9	222.1	194.7	157.5	187.6	50- 60	186.3	813.7	65.2,65.2
70	185.3	148.1	93.13	154.1	193.0	156.8	98.76	148.7	60- 70	166.1	979.8	78.5,78.5
80	152.5	111.0	35.61	117.3	161.1	119.0	39.31	109.2	70- 80	134.0	1114	89.2,89.2
90	99.23	58.72	2.279	72.37	113.0	73.53	0.9254	66.32	80- 90	93.79	1208	96.7,96.7
100	5.229	4.373	3.353	4.414	2.241	1.722	1.095	1.663	90-100	14.36	1222	97.9,97.9
110	5.955	5.282	4.635	5.238	3.120	2.523	1.987	2.465	100-110	3.637	1226	98.2,98.2
120	6.613	5.994	5.717	5.960	3.738	3.208	2.996	3.204	110-120	4.233	1230	98.5,98.5
130	7.147	6.577	6.563	6.618	4.244	3.886	3.924	3.903	120-130	4.483	1234	98.9,98.9
140	7.479	7.047	7.200	7.146	4.602	4.464	4.726	4.581	130-140	4.334	1239	99.2,99.2
150	7.694	7.419	7.640	7.541	4.925	5.055	5.368	5.212	140-150	3.833	1242	99.5,99.5
160	7.723	7.719	7.954	7.922	5.422	5.749	6.094	6.006	150-160	3.044	1246	99.8,99.8
170	7.882	7.827	8.030	8.115	6.548	6.694	7.031	7.004	160-170	2.009	1248	99.9,99.9
180	7.967	7.697	7.851	7.994	7.958	7.684	7.846	7.981	170-180	0.7238	1248	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 531.67 lm

%lum = 42.6%

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Conical surface Flux(120deg): 813.74 lm

%lum = 65.2%

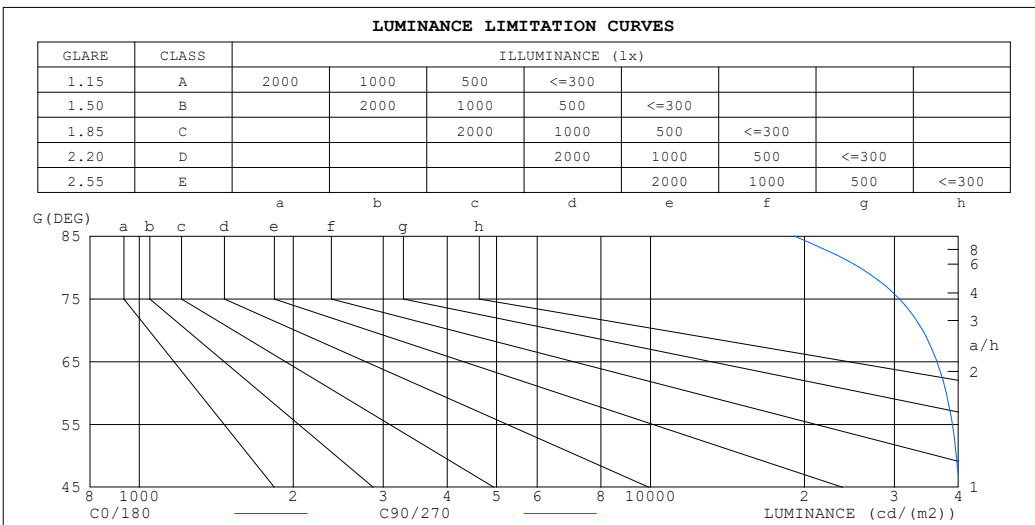
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 Operators:DAMIN
 Test Date:2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	188629	19093
80	109848	25635
75	82191	30665
70	67752	34039
65	59060	36333
60	53513	37888
55	49836	38928
50	47340	39634
45	45608	40151

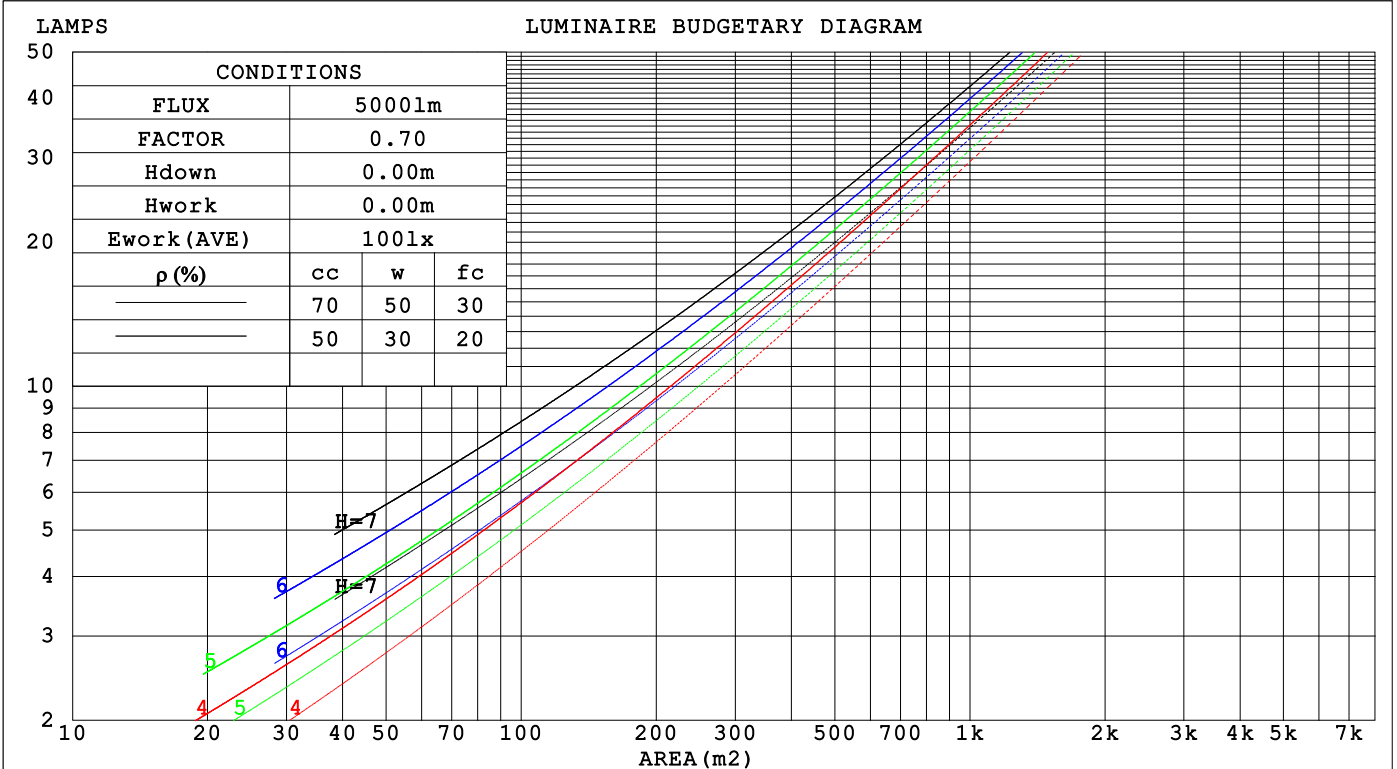
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 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	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						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	.99	.93	.88	.96	.91	.87	.91	.87	.83	.87	.83	.80	.82	.80	.77	.75
2.0	.84	.76	.70	.82	.75	.69	.78	.72	.66	.74	.69	.64	.70	.66	.62	.60
3.0	.73	.64	.57	.71	.63	.56	.68	.60	.54	.64	.58	.53	.61	.56	.52	.49
4.0	.64	.55	.47	.63	.54	.47	.60	.52	.46	.57	.50	.45	.54	.48	.44	.41
5.0	.57	.47	.40	.56	.47	.40	.53	.45	.39	.51	.44	.38	.49	.42	.37	.35
6.0	.51	.42	.35	.50	.41	.34	.48	.40	.34	.46	.39	.33	.44	.38	.33	.30
7.0	.46	.37	.30	.45	.36	.30	.43	.35	.30	.42	.35	.29	.40	.34	.29	.27
8.0	.42	.33	.27	.41	.33	.27	.40	.32	.26	.38	.31	.26	.37	.30	.26	.24
9.0	.39	.30	.24	.38	.30	.24	.36	.29	.24	.35	.28	.23	.34	.28	.23	.21
10.0	.36	.27	.22	.35	.27	.22	.34	.26	.21	.32	.26	.21	.31	.25	.21	.19



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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz		
UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding 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	.392	.223	.071	.384	.219	.070	.368	.211	.067	.354	.204	.066	.341	.198	.064	
2.0	.342	.187	.057	.334	.184	.057	.320	.178	.055	.308	.173	.054	.296	.167	.053	
3.0	.304	.162	.048	.298	.159	.048	.285	.155	.047	.274	.150	.046	.263	.146	.045	
4.0	.274	.142	.042	.268	.140	.041	.257	.136	.041	.247	.132	.040	.237	.129	.039	
5.0	.249	.127	.037	.244	.125	.036	.234	.122	.036	.225	.119	.035	.216	.115	.035	
6.0	.228	.114	.033	.223	.113	.032	.215	.110	.032	.206	.107	.032	.199	.105	.031	
7.0	.210	.104	.029	.206	.103	.029	.198	.100	.029	.191	.098	.028	.184	.095	.028	
8.0	.195	.095	.027	.191	.094	.027	.184	.092	.026	.177	.090	.026	.171	.088	.026	
9.0	.182	.088	.025	.178	.087	.024	.172	.085	.024	.166	.083	.024	.160	.081	.023	
10.0	.170	.081	.023	.167	.081	.022	.161	.079	.022	.155	.077	.022	.150	.076	.022	

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	.215	.215	.215	.184	.184	.184	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.211	.180	.153	.181	.155	.132	.123	.107	.091	.071	.062	.053	.023	.020	.017	
2.0	.204	.157	.117	.175	.135	.101	.120	.093	.071	.069	.054	.041	.022	.018	.013	
3.0	.196	.140	.095	.168	.121	.082	.116	.084	.058	.067	.049	.034	.021	.016	.011	
4.0	.188	.127	.080	.162	.110	.070	.111	.076	.049	.064	.045	.029	.021	.015	.010	
5.0	.180	.117	.070	.155	.101	.061	.107	.071	.043	.062	.041	.025	.020	.014	.008	
6.0	.173	.109	.063	.148	.094	.055	.102	.066	.039	.059	.039	.023	.019	.013	.008	
7.0	.165	.102	.057	.142	.088	.050	.098	.062	.035	.057	.036	.021	.018	.012	.007	
8.0	.158	.096	.053	.136	.083	.046	.094	.059	.033	.055	.035	.020	.018	.011	.006	
9.0	.152	.091	.050	.131	.079	.044	.091	.056	.031	.053	.033	.018	.017	.011	.006	
10.0	.146	.087	.048	.126	.075	.041	.087	.053	.029	.051	.031	.018	.017	.010	.006	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm										
NAME: 7054 COB 512LED. 3000K 12V					TYPE:			WEIGHT:		
SPEC.: 12W					DIM.:			SERIAL No.:		
MFR.: NORDECOR					SUR.:			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	25.7	27.3	26.0	27.5	27.8	24.2	25.8	24.6	26.1	26.4
3H	28.3	29.8	28.6	30.1	30.4	25.8	27.3	26.2	27.6	27.9
4H	29.7	31.1	30.1	31.5	31.8	26.5	27.9	26.8	28.2	28.5
6H	31.3	32.6	31.7	33.0	33.3	26.9	28.2	27.3	28.6	28.9
8H	32.1	33.4	32.5	33.8	34.1	27.0	28.3	27.4	28.7	29.0
12H	33.0	34.3	33.4	34.7	35.0	27.1	28.3	27.5	28.7	29.1
4H 2H	26.3	27.7	26.7	28.0	28.4	25.3	26.7	25.6	27.0	27.3
3H	29.2	30.4	29.6	30.8	31.2	27.1	28.3	27.5	28.7	29.1
4H	30.8	32.0	31.2	32.3	32.8	27.9	29.1	28.3	29.4	29.9
6H	32.6	33.6	33.0	34.0	34.5	28.5	29.6	29.0	30.0	30.4
8H	33.5	34.5	34.0	34.9	35.4	28.7	29.7	29.2	30.2	30.6
12H	34.6	35.5	35.1	36.0	36.4	28.9	29.8	29.4	30.3	30.7
8H 4H	31.2	32.2	31.6	32.6	33.1	28.8	29.8	29.3	30.3	30.7
6H	33.2	34.1	33.7	34.6	35.1	29.8	30.7	30.3	31.1	31.6
8H	34.4	35.2	34.9	35.7	36.2	30.2	31.0	30.7	31.5	32.0
12H	35.7	36.4	36.3	36.9	37.5	30.5	31.2	31.1	31.7	32.3
12H 4H	31.2	32.1	31.7	32.6	33.1	29.1	30.0	29.6	30.5	31.0
6H	33.4	34.1	33.9	34.6	35.1	30.3	31.1	30.8	31.6	32.1
8H	34.6	35.3	35.2	35.8	36.4	30.9	31.5	31.4	32.1	32.6
Variations with the observer position at spacings(CIE Pub.117):										
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, 1248 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.8)
 Area: 0.008 m2

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UTILIZATION FACTORS TABLE

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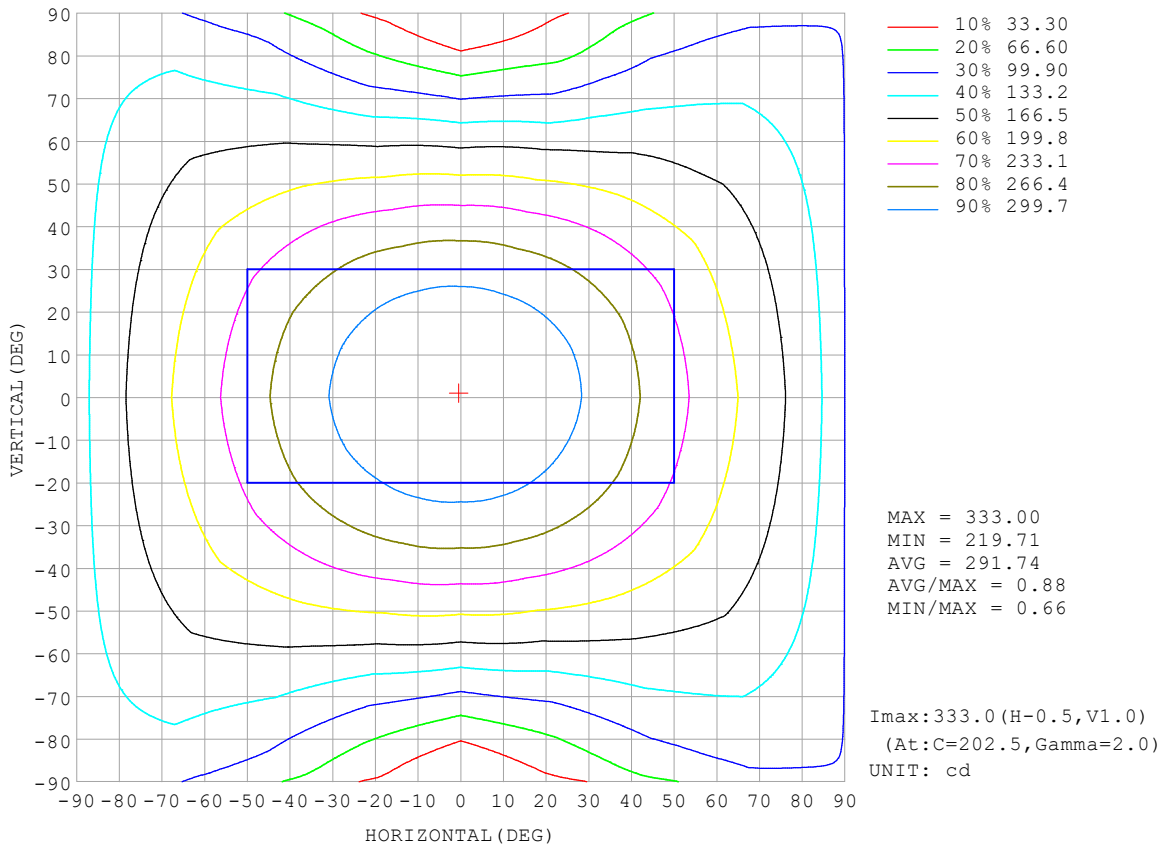
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	40	33	51	40	32	50	39	32	25
0.80	62	49	41	61	49	41	58	48	40	33
1.00	70	57	49	68	57	49	66	58	48	40
1.25	77	65	56	75	64	56	72	62	55	47
1.50	82	70	62	80	69	61	76	67	60	51
2.00	89	79	71	87	77	70	83	75	68	59
2.50	93	84	76	91	82	75	86	79	73	63
3.00	97	88	82	94	87	80	90	83	78	68
4.00	102	94	88	99	92	87	94	88	84	73
5.00	104	98	93	102	96	91	96	92	87	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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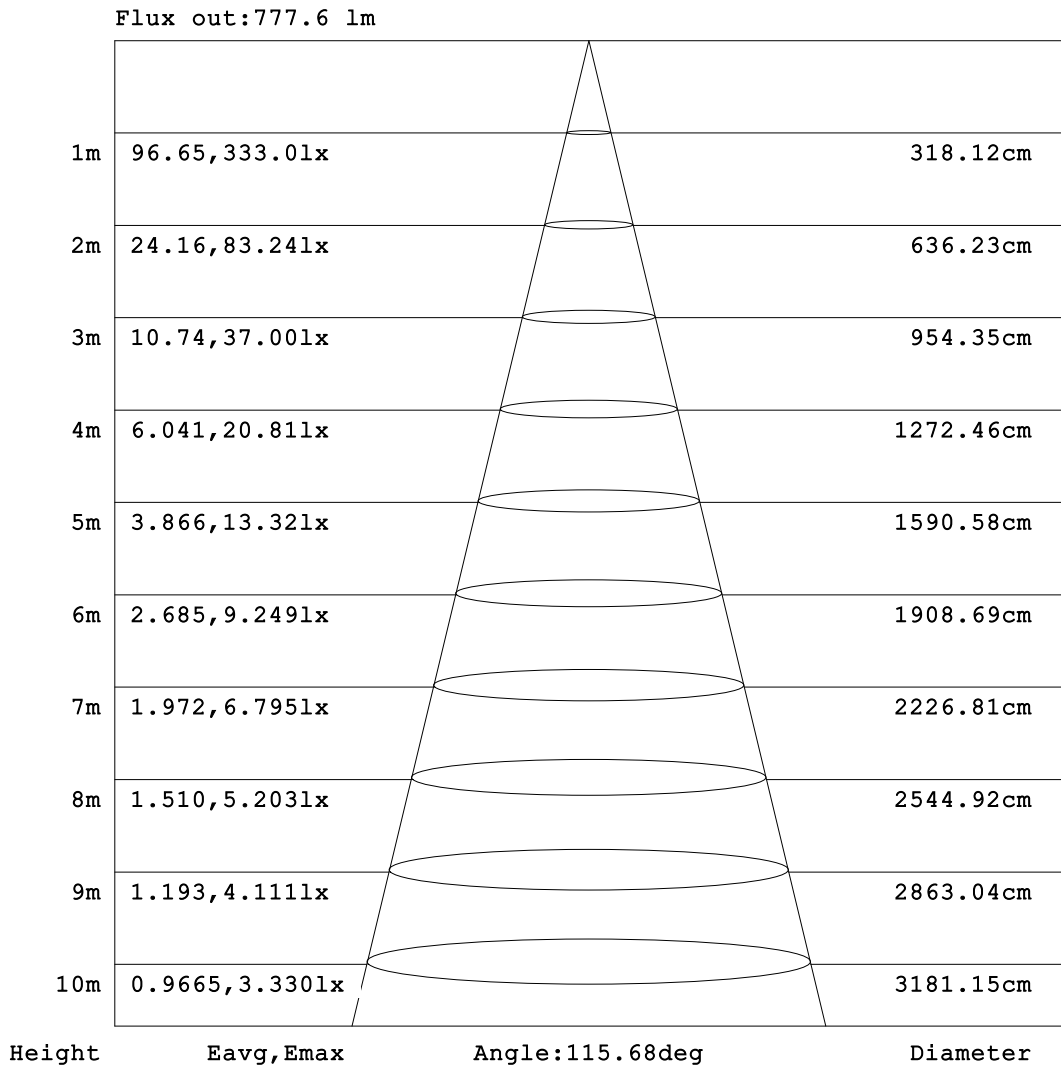


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 Test Date:2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

AAI Figure

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz		
UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding Angle:



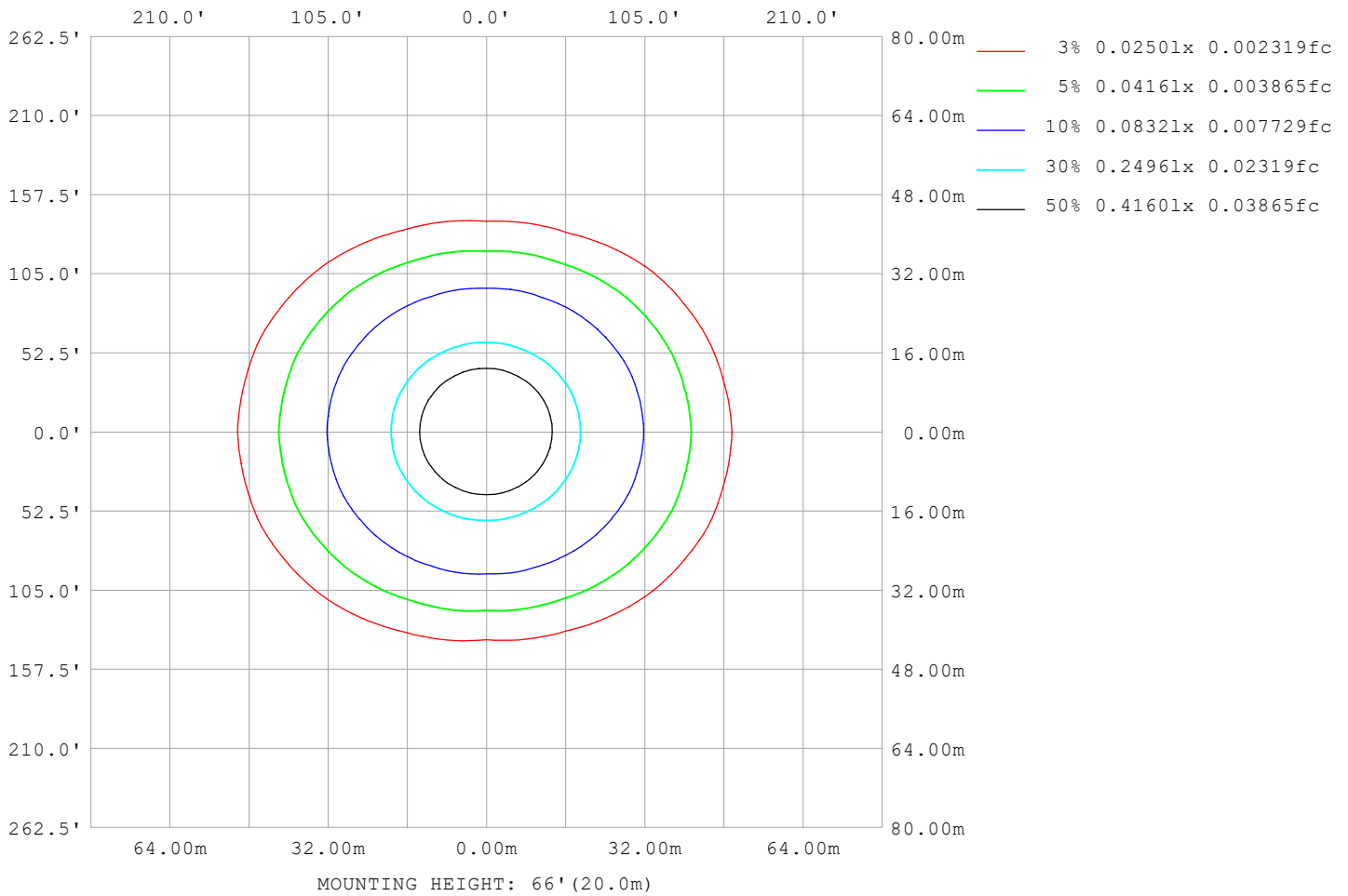
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 8.050m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 8.050m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding Angle:

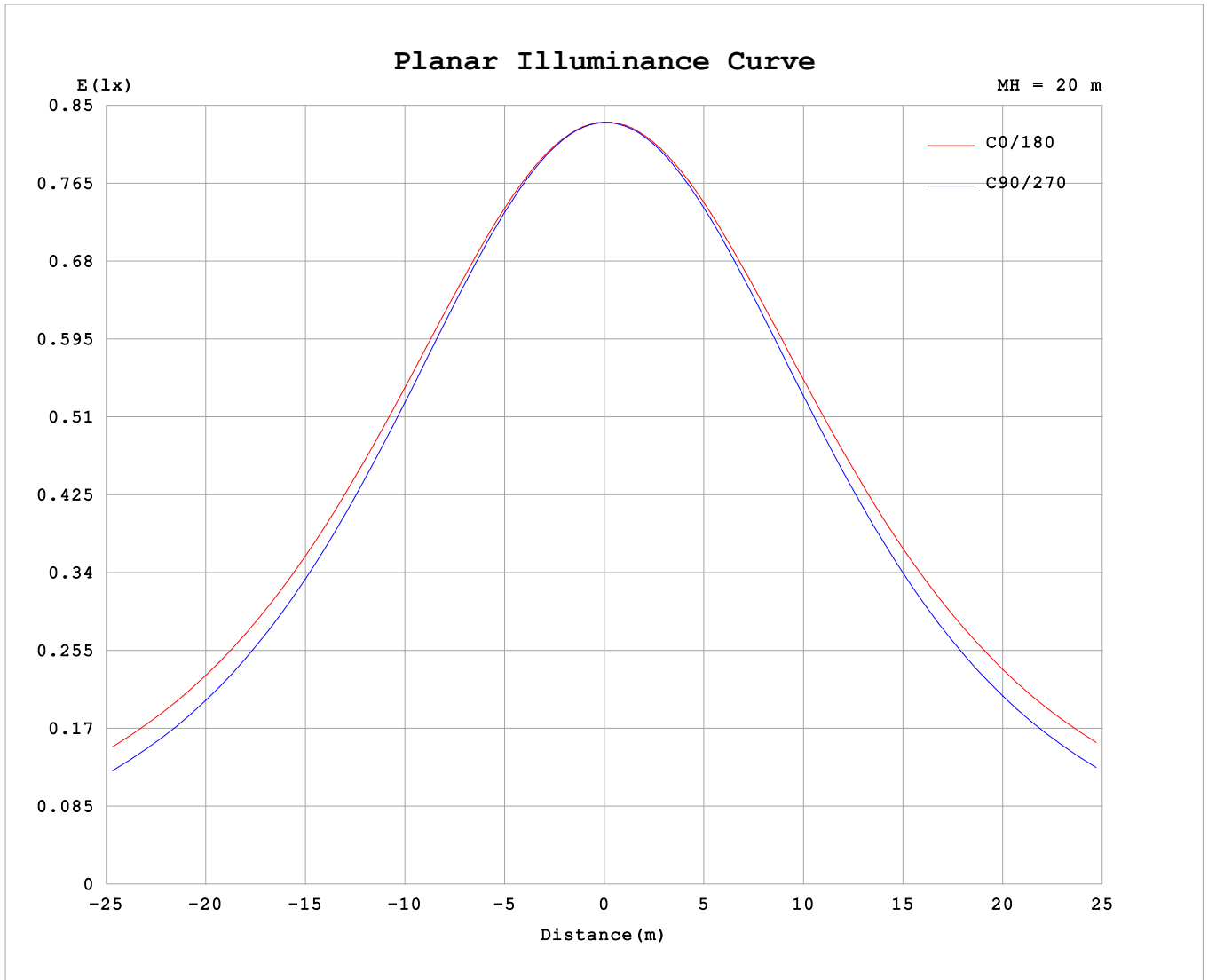
AvgL	cd/m2
L_0~180 (65) av	60218
L_0~180 (75) av	83963
L_0~180 (85) av	196805
L_90~270 (65) av	37218
L_90~270 (75) av	31861
L_90~270 (85) av	20308
L_45 (65) av	50476
L_45 (75) av	64211
L_45 (85) av	136147

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 8.050m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:1.0300A P:12.360W PF:1.0016 Freq:0Hz		
UTHDi:0.35% ITHDi:111.48% KDisp:0.8344 Lamp Flux:1248.23x1 lm		
NAME: 7054 COB 512LED. 3000K 12V	TYPE:	WEIGHT:
SPEC.: 12W	DIM.:	SERIAL No.:
MFR.: NORDECOR	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333			
5	331	331	331	331	331	331	331	332	332	332	332	332	332	332	331	331			
10	327	327	327	327	327	327	328	329	329	330	329	328	328	328	328	328			
15	322	321	320	320	320	321	322	324	325	325	324	323	322	322	322	322			
20	315	314	312	311	310	312	314	317	318	319	317	314	313	313	314	315			
25	306	305	301	299	298	300	304	308	311	311	307	303	302	302	304	306			
30	296	294	289	285	284	287	292	298	301	301	295	290	288	289	292	296			
35	285	282	275	269	267	272	278	286	291	290	282	275	273	273	279	284			
40	272	269	259	251	248	253	263	274	279	277	267	257	254	255	263	270			
45	258	254	242	231	227	233	247	259	265	263	251	238	233	235	246	255			
50	243	239	224	209	204	212	229	244	251	248	233	217	210	214	228	240			
55	229	223	205	186	179	189	210	228	237	232	214	194	185	191	208	224			
60	214	207	185	162	152	165	191	213	222	216	195	170	158	167	188	207			
65	200	191	166	137	123	141	172	198	208	200	176	145	129	138	168	189			
70	185	176	148	113	93.1	116	154	182	193	185	157	120	98.8	111	149	173			
75	170	160	130	89.2	63.5	93.2	136	167	178	168	138	95.7	68.4	87.1	128	157			
80	153	142	111	67.9	35.6	72.4	117	150	161	151	119	74.0	39.3	62.3	109	139			
85	131	121	90.4	48.4	13.3	52.8	99.2	132	143	133	100	53.4	15.0	43.8	90.1	119			
90	99.2	88.7	58.7	21.8	2.28	30.9	72.4	103	113	103	73.5	31.6	0.93	28.7	66.3	91.1			
95	5.32	4.68	3.91	3.09	2.69	3.17	4.00	4.50	1.77	1.65	1.36	0.94	0.76	0.90	1.34	2.21			
100	5.23	5.04	4.37	3.65	3.35	3.69	4.41	4.92	2.24	2.05	1.72	1.29	1.10	1.19	1.66	2.11			
105	5.60	5.42	4.85	4.19	4.01	4.23	4.82	5.27	2.74	2.51	2.14	1.68	1.50	1.57	2.05	2.57			
110	5.95	5.80	5.28	4.71	4.63	4.78	5.24	5.61	3.12	2.87	2.52	2.09	1.99	2.02	2.47	2.92			
115	6.29	6.20	5.66	5.16	5.17	5.26	5.61	5.96	3.45	3.21	2.89	2.49	2.49	2.46	2.84	3.25			
120	6.61	6.54	5.99	5.66	5.72	5.74	5.96	6.26	3.74	3.53	3.21	2.87	3.00	2.93	3.20	3.55			
125	6.88	6.83	6.29	6.07	6.19	6.11	6.31	6.54	4.03	3.86	3.58	3.26	3.47	3.36	3.57	3.86			
130	7.15	7.10	6.58	6.44	6.56	6.39	6.62	6.78	4.24	4.14	3.89	3.63	3.92	3.75	3.90	4.10			
135	7.38	7.33	6.83	6.75	6.92	6.64	6.90	7.01	4.43	4.39	4.17	3.97	4.35	4.11	4.24	4.35			
140	7.48	7.52	7.05	6.95	7.20	6.90	7.15	7.22	4.60	4.65	4.46	4.33	4.73	4.45	4.58	4.58			
145	7.62	7.68	7.24	7.11	7.46	7.19	7.36	7.41	4.77	4.89	4.78	4.73	5.08	4.81	4.90	4.85			
150	7.69	7.79	7.42	7.37	7.64	7.51	7.54	7.53	4.92	5.11	5.05	5.16	5.37	5.15	5.21	5.12			
155	7.74	7.86	7.56	7.60	7.80	7.77	7.73	7.62	5.12	5.38	5.38	5.64	5.70	5.52	5.57	5.45			
160	7.72	7.90	7.72	7.77	7.95	7.98	7.92	7.67	5.42	5.66	5.75	6.10	6.09	5.93	6.01	5.83			
165	7.77	7.99	7.82	7.85	8.01	8.09	8.08	7.74	5.88	6.04	6.18	6.60	6.56	6.39	6.48	6.37			
170	7.88	7.99	7.83	8.09	8.03	8.11	8.12	7.75	6.55	6.59	6.69	7.16	7.03	6.89	7.00	6.93			
175	7.97	7.86	7.74	8.08	7.92	8.00	8.08	7.75	7.33	7.22	7.25	7.65	7.44	7.40	7.52	7.39			
180	7.97	7.78	7.70	8.06	7.85	7.89	7.99	7.76	7.96	7.79	7.68	8.06	7.85	7.90	7.98	7.76			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.050m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	332.6	332.6	332.6	332.6	332.6	332.6	332.6	332.6	332.6	332.6
3.0	331.9	331.8	331.8	331.8	331.9	332.0	332.2	332.3	332.5	332.6
6.0	330.4	330.2	330.2	330.1	330.2	330.6	330.9	331.3	331.7	331.9
9.0	328.3	328.0	327.8	327.6	327.6	328.2	328.7	329.5	330.1	330.4
12.0	325.4	325.0	324.5	324.1	324.1	324.9	325.8	326.9	327.8	328.2
15.0	321.9	321.3	320.5	319.8	319.7	320.7	322.1	323.7	324.8	325.2
18.0	317.6	316.9	315.6	314.6	314.4	315.7	317.5	319.7	321.2	321.5
21.0	313.1	312.0	309.9	308.4	308.0	309.8	312.2	315.1	316.9	317.2
24.0	307.9	306.7	303.5	301.5	300.9	303.0	306.1	309.9	312.2	312.4
27.0	302.2	300.8	296.6	293.8	293.0	295.4	299.3	304.2	307.0	306.9
30.0	296.0	294.3	289.0	285.1	284.0	287.0	292.0	298.0	301.3	300.9
33.0	289.3	287.3	280.7	275.8	274.3	277.8	284.1	291.3	295.1	294.4
36.0	282.1	279.7	271.9	265.5	263.7	267.9	275.5	284.0	288.2	287.2
39.0	274.3	272.1	262.5	254.6	252.3	256.9	266.4	276.2	281.1	279.5
42.0	266.3	263.1	252.5	243.0	240.2	245.5	256.8	268.1	273.5	271.3
45.0	257.8	254.1	242.1	230.8	227.1	233.4	246.6	259.2	265.3	262.7
48.0	249.2	244.9	231.2	218.0	213.4	220.8	235.9	250.2	256.9	253.7
51.0	240.4	235.4	220.0	204.7	198.9	207.5	224.9	240.9	248.3	244.5
54.0	231.5	225.9	208.5	190.8	183.9	193.8	213.7	231.6	239.6	235.0
57.0	222.6	216.4	197.0	176.5	168.0	179.6	202.2	222.1	230.8	225.5
60.0	213.9	206.9	185.4	161.9	151.5	165.2	190.9	212.8	222.1	216.0
63.0	205.3	197.6	174.1	147.1	134.4	150.4	179.6	203.7	213.4	206.5
66.0	196.8	188.4	162.8	132.2	117.0	135.6	168.5	194.6	204.7	197.3
69.0	188.2	179.2	151.8	117.4	99.17	121.0	157.6	185.5	196.0	187.9
72.0	179.4	169.8	140.9	103.0	81.26	106.8	146.9	176.1	186.9	178.3
75.0	170.1	160.1	129.8	89.19	63.49	93.22	135.9	166.6	177.6	168.5
78.0	160.0	149.8	118.6	76.20	46.39	80.49	124.7	156.7	167.8	158.2
81.0	148.5	138.2	107.1	63.87	30.55	68.41	113.5	146.5	157.7	147.6
84.0	135.9	125.6	94.69	52.17	17.06	56.61	102.7	136.1	147.0	136.5
87.0	121.3	111.3	81.77	40.84	7.256	45.80	91.28	123.0	133.3	123.8
90.0	99.23	88.72	58.72	21.81	2.279	30.92	72.37	102.9	113.0	103.3
93.0	20.19	12.37	4.196	2.872	2.424	2.960	3.911	11.81	28.26	19.16
96.0	4.958	4.705	4.001	3.207	2.828	3.274	4.091	4.607	1.878	1.742
99.0	5.152	4.966	4.282	3.539	3.223	3.583	4.346	4.840	2.152	1.976
102.0	5.367	5.182	4.555	3.869	3.625	3.892	4.570	5.055	2.429	2.214
105.0	5.596	5.421	4.847	4.188	4.007	4.232	4.821	5.270	2.743	2.506
108.0	5.825	5.645	5.107	4.502	4.379	4.574	5.076	5.472	2.977	2.749
111.0	6.022	5.872	5.358	4.793	4.738	4.878	5.305	5.674	3.186	2.921
114.0	6.215	6.119	5.600	5.070	5.065	5.183	5.533	5.884	3.375	3.137
117.0	6.426	6.329	5.801	5.392	5.380	5.462	5.748	6.081	3.567	3.345
120.0	6.613	6.537	5.994	5.657	5.717	5.743	5.960	6.260	3.738	3.533
123.0	6.780	6.712	6.178	5.912	6.004	5.977	6.165	6.430	3.917	3.731
126.0	6.940	6.888	6.353	6.140	6.262	6.178	6.366	6.592	4.078	3.925
129.0	7.093	7.046	6.523	6.373	6.492	6.339	6.560	6.740	4.213	4.087
132.0	7.236	7.203	6.680	6.570	6.711	6.487	6.739	6.883	4.311	4.240
135.0	7.375	7.329	6.827	6.750	6.921	6.640	6.900	7.009	4.432	4.393
138.0	7.447	7.455	6.971	6.902	7.088	6.797	7.048	7.134	4.540	4.546
141.0	7.510	7.558	7.083	6.969	7.259	6.949	7.183	7.260	4.634	4.695
144.0	7.600	7.662	7.199	7.076	7.397	7.133	7.313	7.367	4.741	4.830
147.0	7.662	7.734	7.316	7.224	7.523	7.334	7.434	7.461	4.826	4.969
150.0	7.694	7.792	7.419	7.368	7.640	7.509	7.541	7.529	4.925	5.113
153.0	7.716	7.851	7.513	7.511	7.743	7.671	7.662	7.604	5.033	5.271
156.0	7.730	7.873	7.594	7.654	7.833	7.827	7.765	7.636	5.172	5.455
159.0	7.724	7.891	7.688	7.748	7.918	7.953	7.882	7.654	5.355	5.604
162.0	7.721	7.945	7.797	7.797	7.985	8.034	7.990	7.676	5.567	5.780
165.0	7.774	7.988	7.823	7.851	8.008	8.086	8.079	7.739	5.880	6.036
168.0	7.860	7.993	7.841	7.905	8.021	8.119	8.115	7.746	6.283	6.360
171.0	7.895	7.981	7.823	8.119	8.035	8.096	8.115	7.752	6.700	6.698
174.0	7.954	7.900	7.756	8.088	7.936	8.011	8.084	7.748	7.175	7.076
177.0	8.048	7.887	7.729	8.079	7.878	7.953	8.061	7.770	7.610	7.459
180.0	7.967	7.783	7.697	8.061	7.851	7.890	7.994	7.757	7.958	7.792
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	332.6	332.6	332.6	332.6	332.6	332.6				
3.0	332.6	332.4	332.4	332.2	332.2	332.0				
6.0	331.6	331.3	331.2	331.0	331.0	330.8				
9.0	329.9	329.4	329.1	328.8	328.8	328.7				
12.0	327.4	326.5	326.0	325.7	325.9	325.9				
15.0	324.0	322.7	322.1	321.7	322.2	322.3				
18.0	319.8	317.9	317.1	316.9	317.6	318.1				
21.0	314.7	312.3	311.3	311.1	312.3	313.2				
24.0	308.9	305.9	304.5	304.5	306.2	307.9				
27.0	302.5	298.5	297.0	297.0	299.4	302.0				
30.0	295.4	290.4	288.4	288.7	292.1	295.6				

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 8.050m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	287.7	281.3	279.0	279.5	284.2	288.5
36.0	279.3	271.6	268.8	269.6	275.6	280.9
39.0	270.9	261.0	257.5	258.9	266.2	272.8
42.0	260.8	249.7	245.5	247.5	256.4	264.3
45.0	250.7	237.8	232.7	235.5	246.1	255.3
48.0	240.1	225.3	219.1	222.8	235.3	246.2
51.0	229.1	212.1	204.8	209.6	224.1	236.6
54.0	217.9	198.4	189.8	195.8	211.5	226.9
57.0	206.3	184.3	173.9	181.5	200.2	216.9
60.0	194.7	169.7	157.5	166.5	187.6	206.9
63.0	183.2	154.9	140.5	149.5	176.0	196.9
66.0	171.7	139.8	122.8	132.9	164.8	185.6
69.0	160.5	124.6	104.9	116.3	153.3	175.9
72.0	149.5	109.9	86.65	101.8	139.6	166.7
75.0	138.2	95.72	68.45	87.11	127.9	156.9
78.0	126.8	82.44	50.57	73.46	116.8	146.8
81.0	115.1	69.82	33.95	57.30	105.4	135.3
84.0	103.6	57.41	19.20	46.63	94.00	123.5
87.0	91.70	45.80	7.851	38.58	82.77	110.2
90.0	73.53	31.59	0.9254	28.69	66.32	91.11
93.0	2.338	0.8331	0.6506	0.8338	7.680	19.49
96.0	1.448	1.007	0.8251	0.9498	1.412	1.852
99.0	1.658	1.226	1.028	1.130	1.600	2.047
102.0	1.874	1.427	1.251	1.322	1.802	2.280
105.0	2.137	1.682	1.503	1.573	2.053	2.572
108.0	2.371	1.943	1.795	1.833	2.309	2.799
111.0	2.594	2.163	2.085	2.102	2.541	2.980
114.0	2.805	2.404	2.386	2.376	2.761	3.185
117.0	3.006	2.637	2.678	2.644	2.976	3.387
120.0	3.208	2.874	2.996	2.927	3.204	3.553
123.0	3.428	3.112	3.279	3.196	3.416	3.732
126.0	3.643	3.345	3.565	3.442	3.639	3.912
129.0	3.823	3.568	3.830	3.679	3.837	4.064
132.0	3.992	3.771	4.094	3.895	4.034	4.207
135.0	4.167	3.972	4.346	4.106	4.235	4.346
138.0	4.350	4.174	4.583	4.307	4.450	4.489
141.0	4.526	4.392	4.793	4.519	4.652	4.637
144.0	4.710	4.639	5.009	4.747	4.845	4.790
147.0	4.897	4.902	5.188	4.935	5.019	4.937
150.0	5.055	5.163	5.368	5.151	5.212	5.122
153.0	5.251	5.445	5.547	5.361	5.409	5.300
156.0	5.435	5.728	5.767	5.595	5.661	5.516
159.0	5.655	6.017	6.018	5.854	5.921	5.749
162.0	5.924	6.310	6.283	6.114	6.184	6.043
165.0	6.184	6.601	6.555	6.392	6.481	6.372
168.0	6.488	6.936	6.843	6.702	6.780	6.712
171.0	6.792	7.277	7.121	6.984	7.111	7.026
174.0	7.133	7.554	7.362	7.293	7.417	7.308
177.0	7.429	7.806	7.596	7.603	7.708	7.546
180.0	7.684	8.057	7.846	7.904	7.981	7.761

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 8.050m [K=1.0000]
 Remarks: