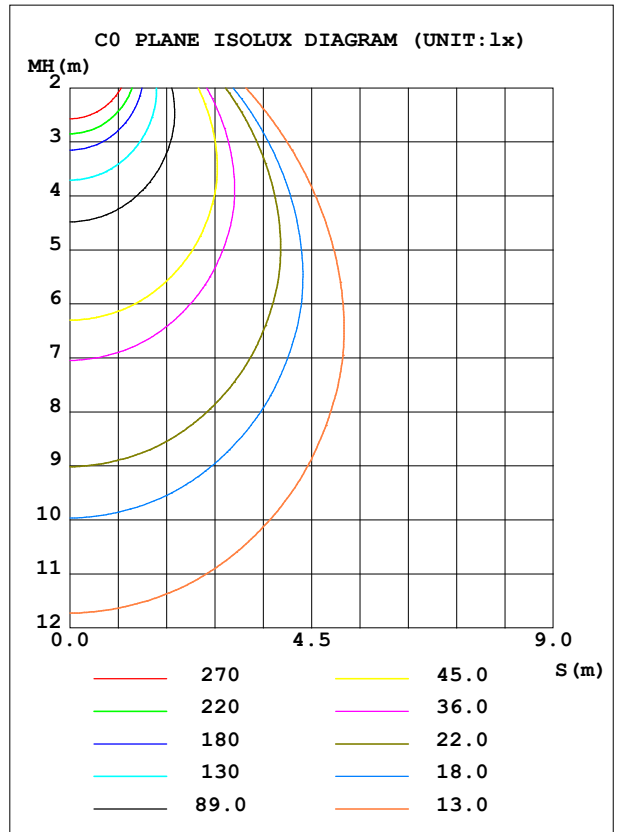
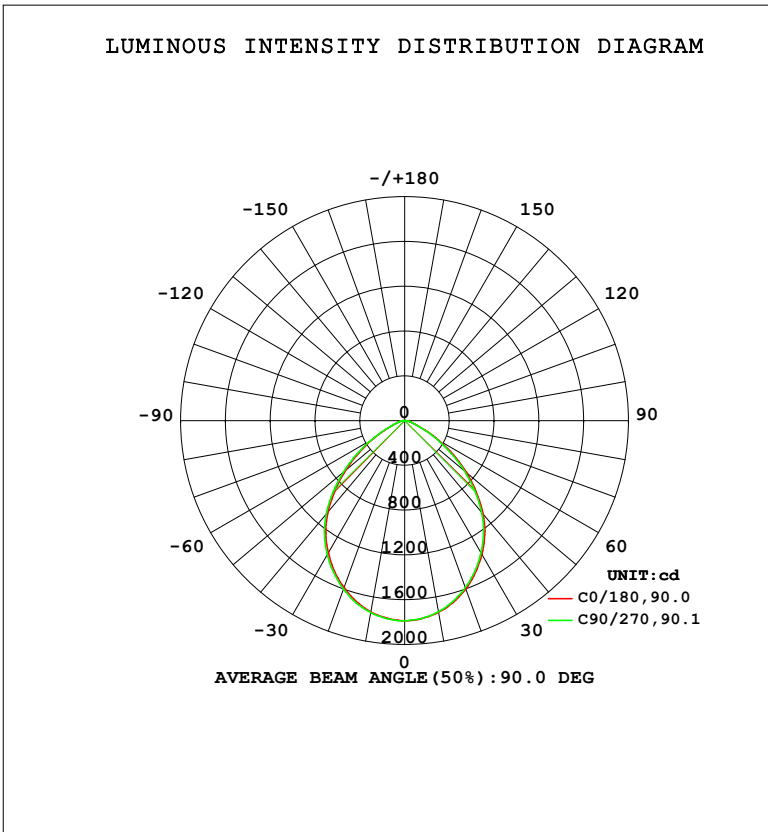


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	DL254-8-35W-M-A5C5-HO	Imax (cd)	1788	S/MH (C0/180)	1.15
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.15
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3530.1	<input type="checkbox"/> UP, DN (C0-180)	0.0,50.3
NOMINAL FLUX (lm)	3530.09	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0,49.7
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1736	1735	1742	1744	1738	1737	1734	1726	0- 10	168.1	168.1	4.76,4.76
20	1586	1594	1601	1608	1599	1595	1587	1578	10- 20	472.0	640.1	18.1,18.1
30	1365	1369	1384	1391	1382	1375	1364	1352	20- 30	685.9	1326	37.6,37.6
40	1065	1072	1092	1102	1089	1082	1069	1057	30- 40	771.8	2098	59.4,59.4
50	684.3	697.3	713.4	727.2	719.9	708.3	694.0	680.4	40- 50	687.8	2786	78.9,78.9
60	322.6	330.1	339.7	348.3	351.3	344.6	329.9	316.3	50- 60	458.4	3244	91.9,91.9
70	96.70	97.03	100.00	103.4	104.2	104.6	99.83	96.58	60- 70	197.5	3442	97.5,97.5
80	39.69	40.26	41.20	42.57	42.31	42.56	41.43	41.22	70- 80	68.66	3510	99.4,99.4
90	1.016	1.016	0.9571	0.9636	1.739	1.691	1.698	1.711	80- 90	19.85	3530	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2463.1 lm

%lum = 69.8%

%lamp = 69.8%

Conical surface Flux(130deg): 3370.1 lm

%lum = 95.5%

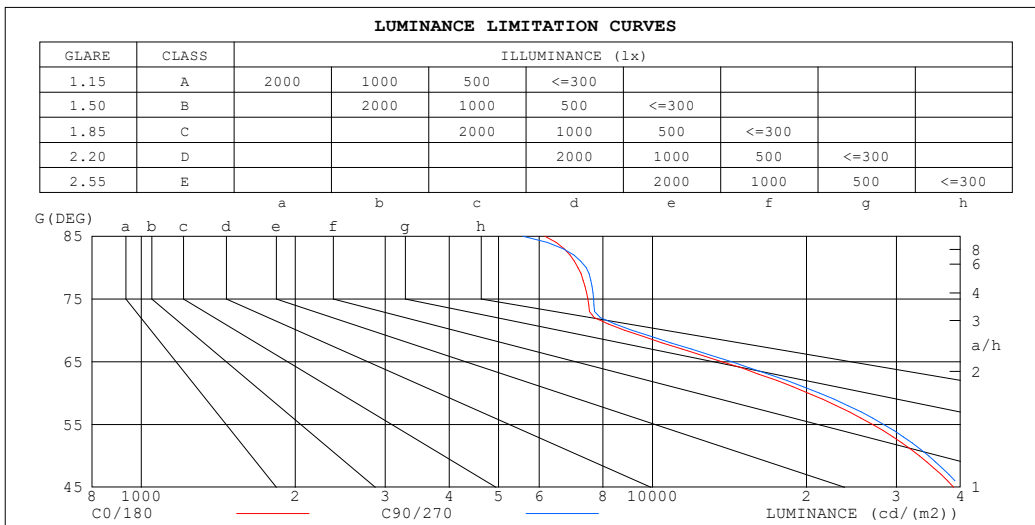
%lamp = 95.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6162	5581
80	7143	7415
75	7468	7669
70	8835	9137
65	13664	14294
60	20162	21232
55	26967	28315
50	33269	34681
45	38810	40052

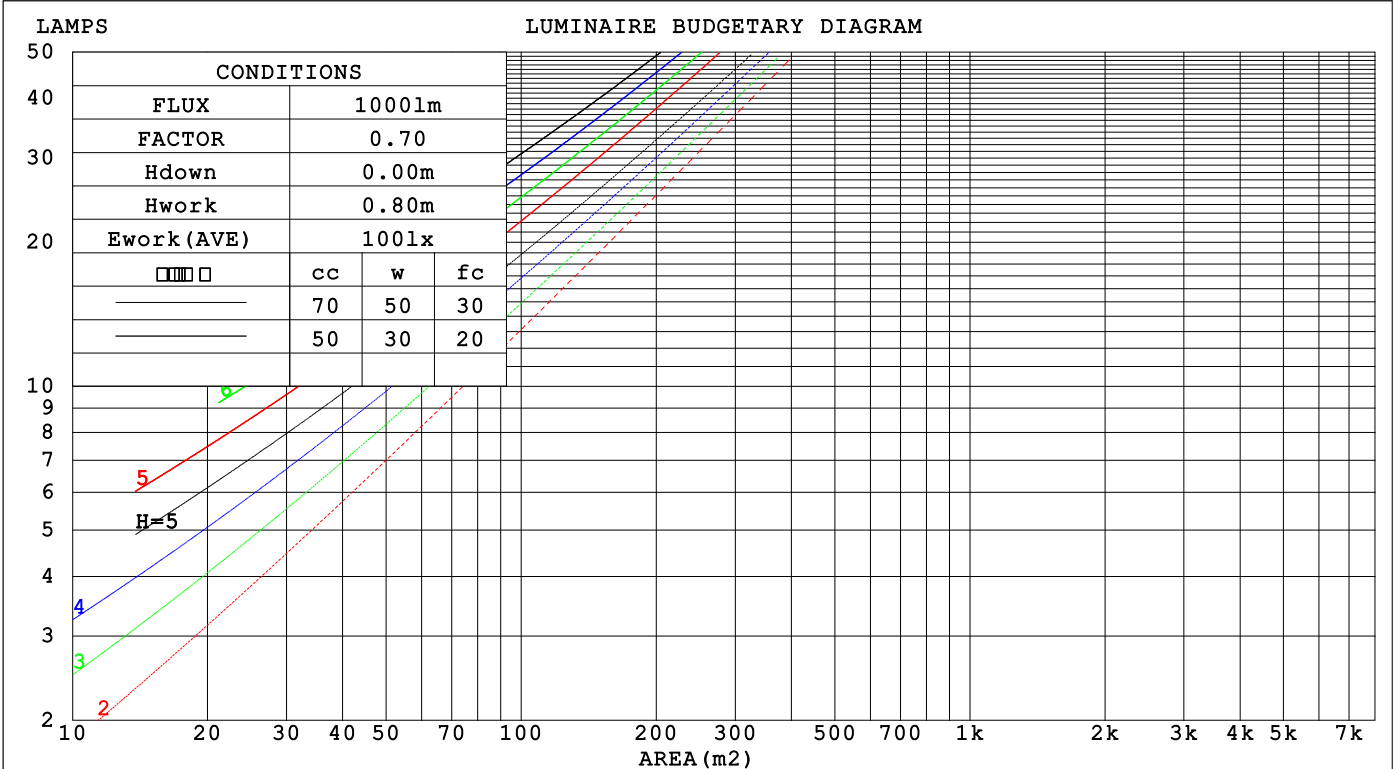
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	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	1.00
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.91	.86	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.70	.68
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.67	.62	.70	.65	.61	.59
5.0	.70	.62	.57	.69	.62	.56	.67	.61	.56	.65	.60	.55	.64	.59	.55	.53
6.0	.64	.56	.50	.63	.56	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.59	.51	.45	.58	.50	.45	.56	.50	.45	.55	.49	.44	.54	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.40	.51	.45	.40	.50	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.40	.36	.35
10.0	.46	.39	.34	.46	.38	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.32



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.246	.140	.044	.239	.136	.043	.226	.130	.041	.214	.123	.040	.203	.118	.038	
2.0	.238	.131	.040	.232	.128	.039	.221	.123	.038	.211	.118	.037	.201	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.115	.035	.202	.111	.034	.194	.107	.033	
4.0	.214	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.185	.100	.031	
5.0	.201	.102	.030	.197	.101	.029	.189	.099	.029	.182	.096	.029	.176	.094	.028	
6.0	.189	.095	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.088	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	.158	.082	.024	
8.0	.169	.082	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	.150	.077	.022	
9.0	.159	.077	.022	.157	.076	.021	.152	.075	.021	.147	.074	.021	.143	.073	.021	
10.0	.151	.072	.020	.149	.072	.020	.144	.071	.020	.140	.070	.020	.136	.068	.020	

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
2.0	.176	.157	.139	.150	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
3.0	.165	.132	.104	.141	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
4.0	.156	.114	.080	.134	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
5.0	.148	.100	.064	.127	.087	.055	.087	.060	.039	.051	.035	.023	.016	.012	.008	
6.0	.141	.089	.052	.121	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
7.0	.134	.081	.043	.115	.070	.037	.079	.049	.026	.046	.029	.016	.015	.009	.005	
8.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
9.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
10.0	.116	.063	.027	.100	.055	.023	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	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	23.7	25.0	23.9	25.2	25.4	23.8	25.2	24.1	25.3	25.5
3H	23.9	25.1	24.1	25.3	25.5	24.0	25.2	24.3	25.4	25.7
4H	23.9	25.0	24.2	25.3	25.5	24.0	25.2	24.3	25.4	25.7
6H	23.9	25.0	24.2	25.2	25.5	24.0	25.1	24.4	25.4	25.7
8H	23.9	24.9	24.2	25.2	25.5	24.0	25.1	24.4	25.4	25.6
12H	23.9	24.9	24.2	25.2	25.4	24.0	25.0	24.4	25.3	25.6
4H 2H	23.8	24.9	24.1	25.2	25.4	23.9	25.1	24.2	25.3	25.6
3H	24.0	25.0	24.4	25.3	25.6	24.2	25.2	24.5	25.5	25.8
4H	24.1	25.0	24.5	25.3	25.7	24.3	25.2	24.6	25.5	25.8
6H	24.2	25.0	24.6	25.3	25.7	24.3	25.1	24.7	25.5	25.8
8H	24.2	25.0	24.6	25.3	25.7	24.4	25.1	24.8	25.5	25.8
12H	24.2	24.9	24.7	25.3	25.7	24.4	25.0	24.8	25.4	25.8
8H 4H	24.1	24.8	24.5	25.2	25.6	24.2	25.0	24.6	25.3	25.7
6H	24.2	24.8	24.7	25.2	25.7	24.4	25.0	24.8	25.4	25.8
8H	24.3	24.8	24.8	25.3	25.7	24.4	25.0	24.9	25.4	25.8
12H	24.4	24.8	24.8	25.3	25.7	24.5	24.9	25.0	25.4	25.9
12H 4H	24.1	24.7	24.5	25.1	25.5	24.2	24.9	24.6	25.2	25.6
6H	24.2	24.8	24.7	25.2	25.6	24.4	24.9	24.8	25.3	25.8
8H	24.3	24.8	24.8	25.2	25.7	24.5	24.9	24.9	25.3	25.8

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.7 / - 1.0	+ 0.7 / - 0.9
1.5H	+ 0.4 / - 0.4	+ 0.4 / - 0.5
2.0H	+ 1.5 / - 2.0	+ 1.5 / - 2.0

CIE Pub.117, 3530 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.4)
 Area: 0.032 m2

C Range: 0 - 360DEG	<input type="checkbox"/> Range: 0 - 90DEG
C Interval: 22.5DEG	<input type="checkbox"/> Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Temperature:25.3°C	Humidity:65.0%
Operators:DAMIN	Test Distance:9.680m [K=1.0000]
Test Date:2023-06-28	Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

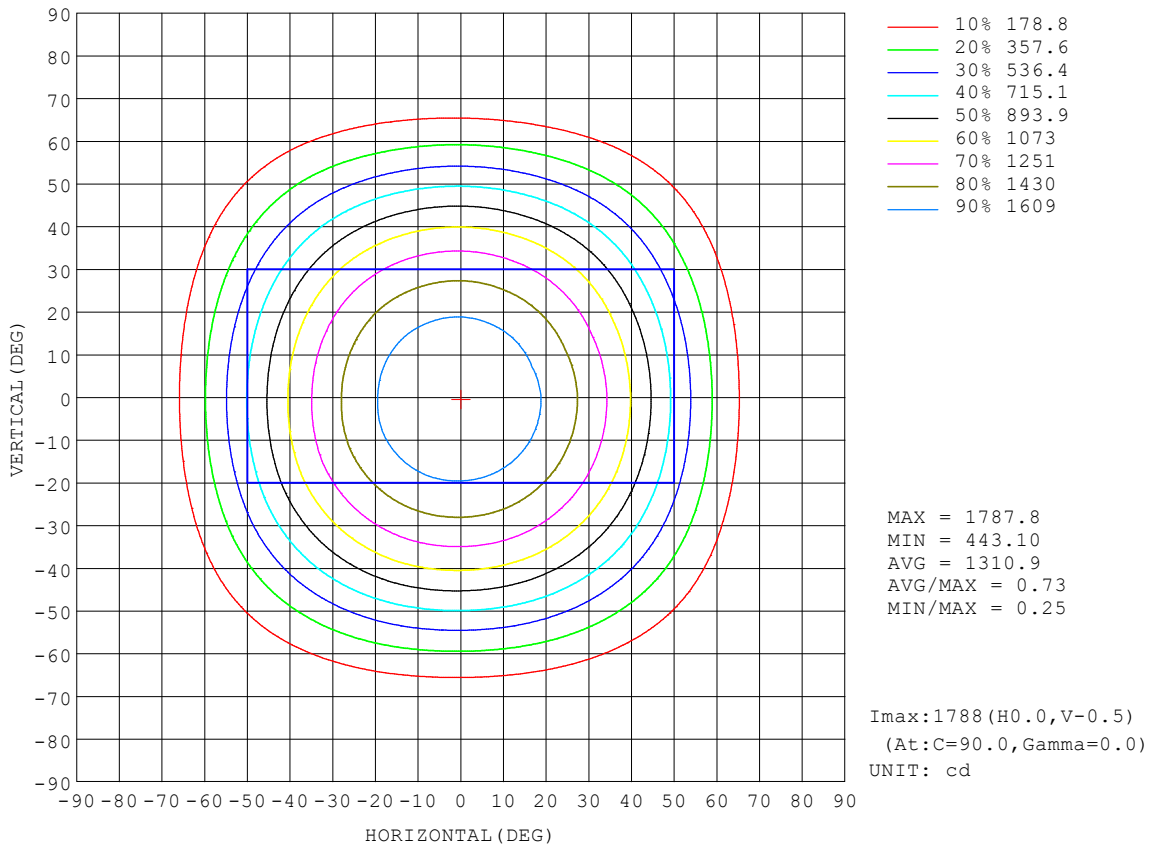
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	49	65	55	49	64	55	49	43
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	75	69	83	74	69	81	75	68	62
1.25	91	82	77	89	82	76	87	80	75	69
1.50	95	87	82	94	86	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	100	96	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	105	102	100	91
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:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:



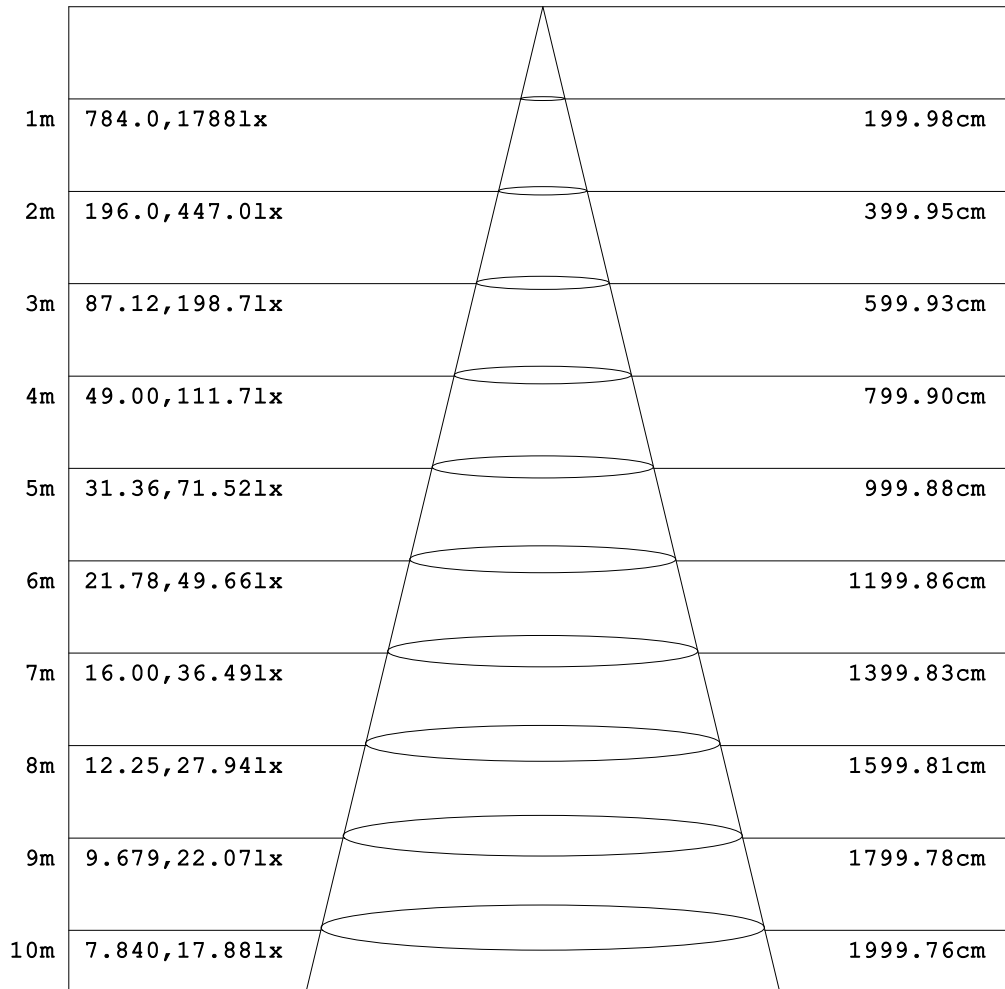
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

Flux out:2463 lm



Angle:89.99deg

Height

Eavg, Emax

Diameter

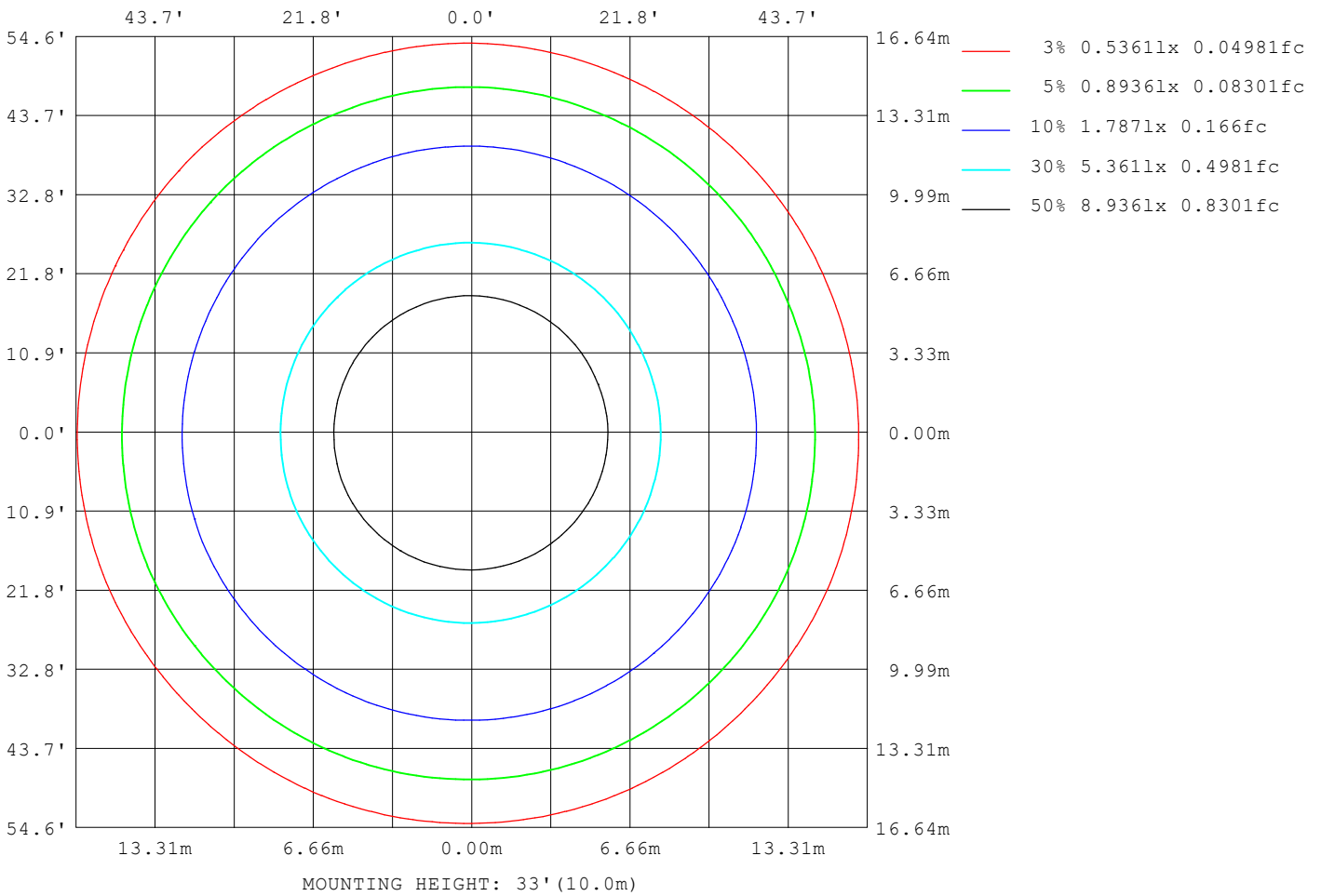
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.56V I:0.2407A P:28.539W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3530.09x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 4000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

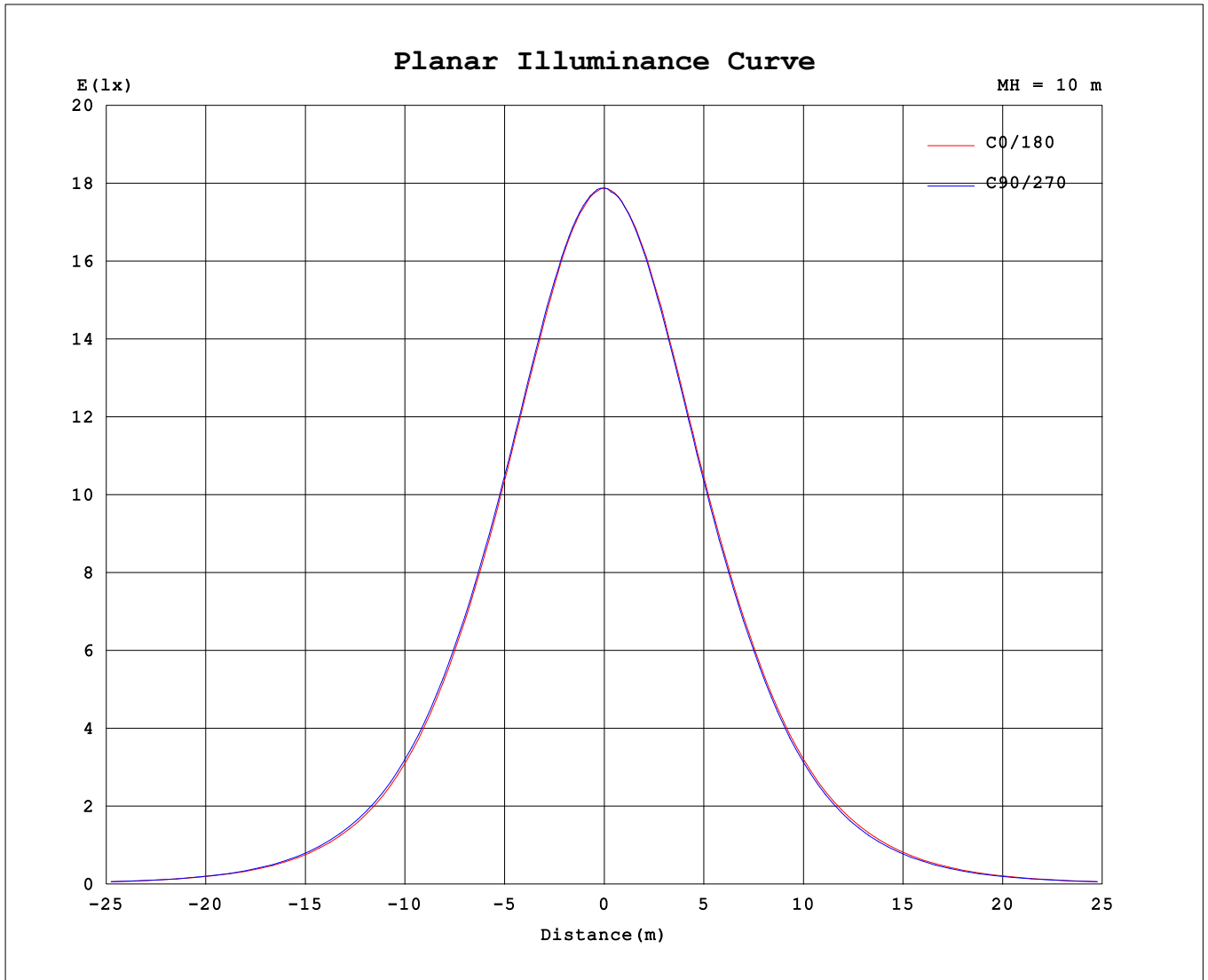
AvgL	cd/m2
L_0~180 (65) av	14242
L_0~180 (75) av	7626
L_0~180 (85) av	6628
L_90~270 (65) av	14073
L_90~270 (75) av	7666
L_90~270 (85) av	5750
L_45 (65) av	14172
L_45 (75) av	7671
L_45 (85) av	6312

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [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: 2023-06-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.680m [K=1.0000]
 Remarks:

