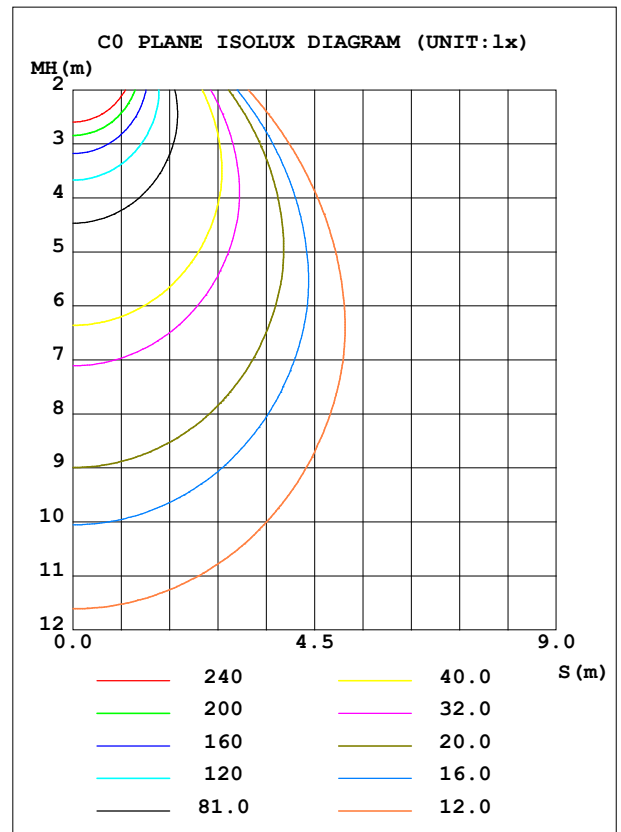
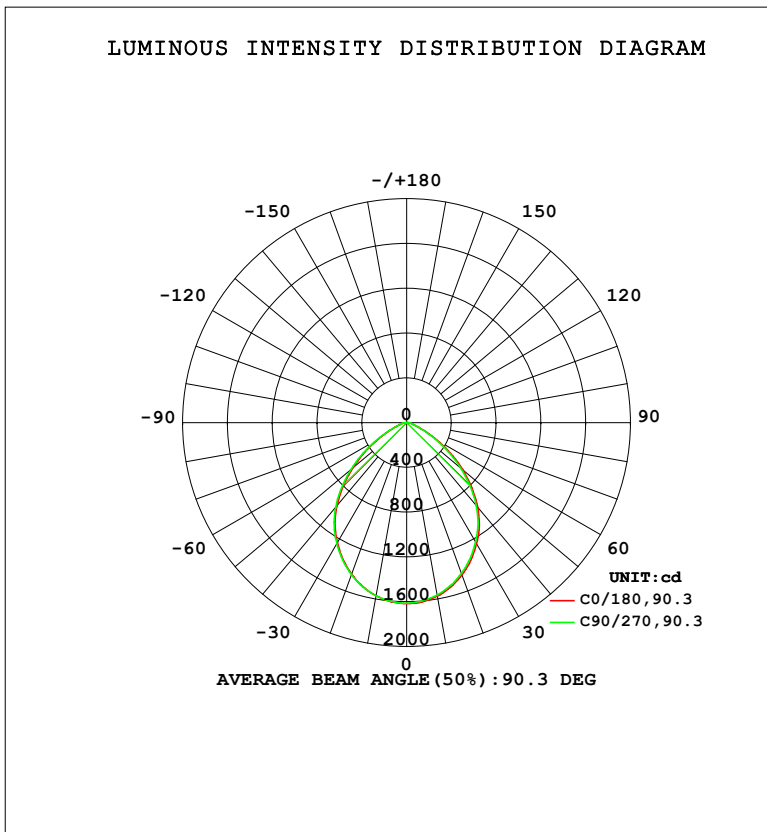


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	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)	1618	S/MH (C0/180)	1.15
NOMINAL POWER (W)	26	LOR (%)	100.0	S/MH (C90/270)	1.15
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3193.4	<input type="checkbox"/> UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	3193.44	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	1571	1568	1572	1571	1574	1571	1564	1559	0- 10	151.8	151.8	4.75,4.75
20	1439	1440	1444	1449	1447	1442	1433	1424	10- 20	426.1	577.9	18.1,18.1
30	1238	1240	1249	1256	1249	1243	1232	1221	20- 30	619.7	1198	37.5,37.5
40	969.8	972.6	985.6	995.9	987.2	981.1	968.0	955.8	30- 40	698.1	1896	59.4,59.4
50	624.1	633.6	646.2	658.3	653.3	642.6	629.4	616.9	40- 50	623.7	2519	78.9,78.9
60	293.4	298.7	306.5	313.9	316.1	310.8	297.7	285.5	50- 60	415.4	2935	91.9,91.9
70	88.49	88.29	90.61	93.46	94.15	94.66	90.43	87.59	60- 70	178.2	3113	97.5,97.5
80	36.37	36.62	37.38	38.54	38.32	38.59	37.57	37.47	70- 80	62.39	3175	99.4,99.4
90	0.9046	0.8915	0.8325	0.8391	1.531	1.521	1.527	1.534	80- 90	18.02	3193	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): 2226.7 lm

%lum = 69.7%

%lamp = 69.7%

Conical surface Flux(130deg): 3048.5 lm

%lum = 95.5%

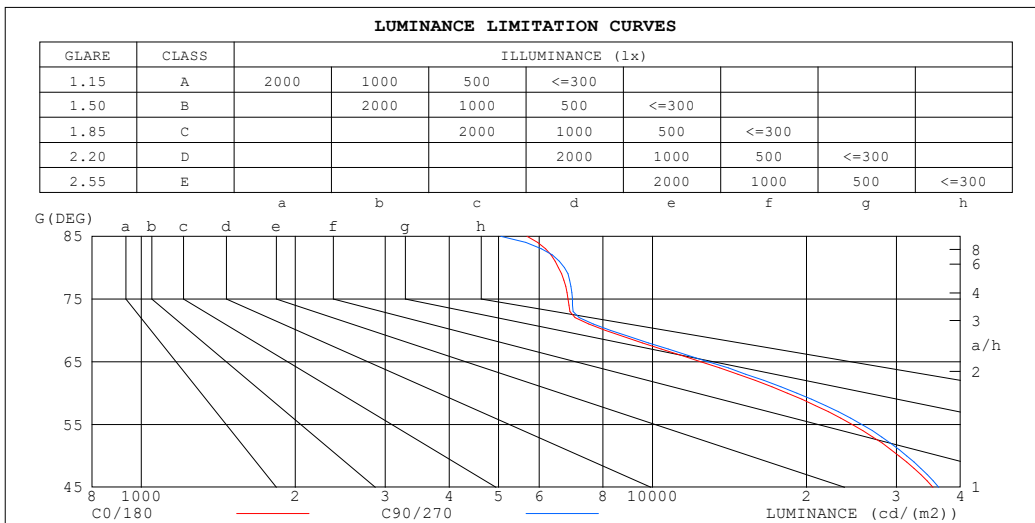
%lamp = 95.5%

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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	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	5678	5048
80	6545	6726
75	6833	6969
70	8085	8279
65	12431	12841
60	18335	19157
55	24577	25669
50	30342	31417
45	35385	36299

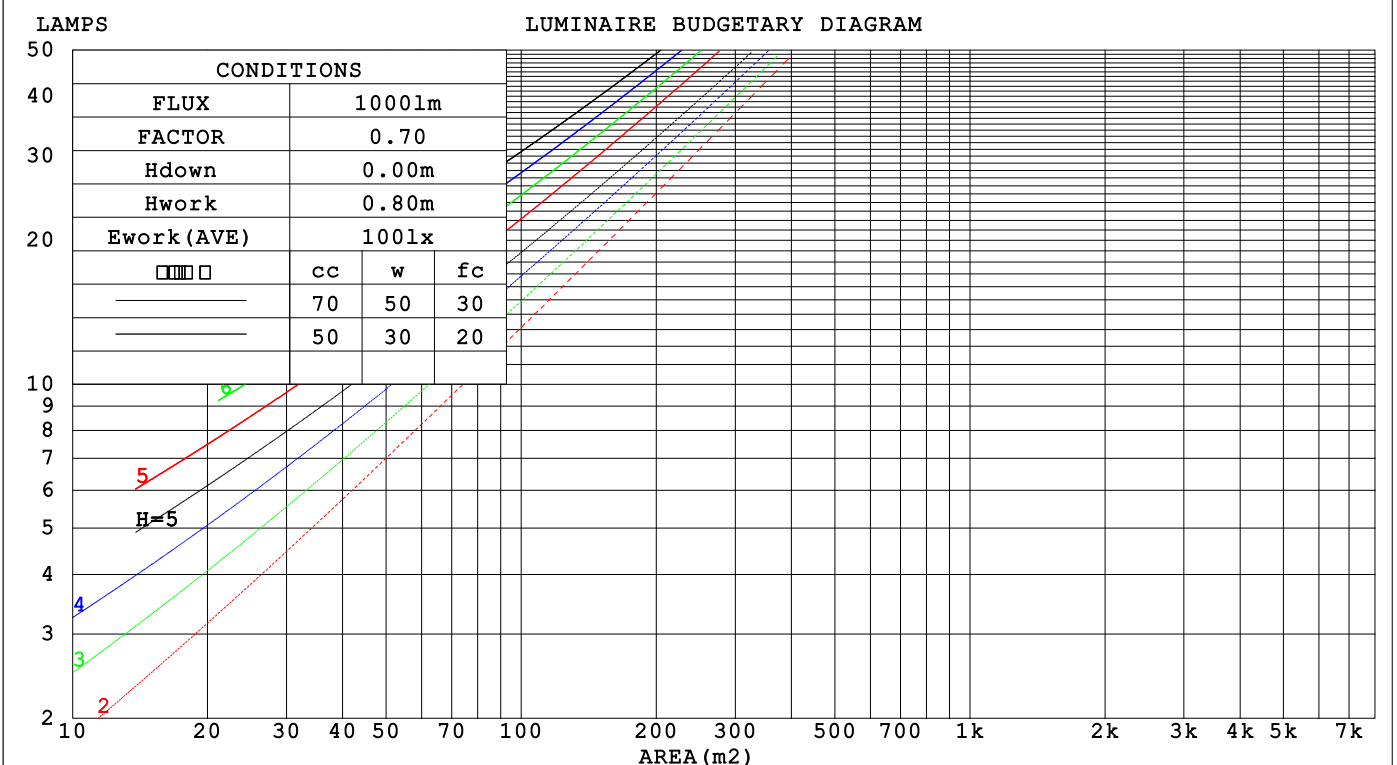
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	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	.66	.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	.58	.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	.45	.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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	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	.124	.040	.203	.118	.038	
2.0	.238	.131	.040	.232	.128	.039	.221	.123	.038	.211	.118	.037	.201	.114	.036	
3.0	.226	.121	.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	.103	.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	.164	.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	.051	.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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	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	23.4	24.7	23.6	24.9	25.1	23.5	24.8	23.7	25.0	25.2
3H	23.5	24.8	23.8	25.0	25.2	23.7	24.9	24.0	25.1	25.3
4H	23.6	24.7	23.9	24.9	25.2	23.7	24.8	24.0	25.1	25.3
6H	23.6	24.7	23.9	24.9	25.2	23.7	24.8	24.0	25.0	25.3
8H	23.6	24.6	23.9	24.9	25.2	23.7	24.7	24.0	25.0	25.3
12H	23.6	24.6	23.9	24.8	25.1	23.7	24.7	24.0	25.0	25.3
4H 2H	23.5	24.6	23.8	24.9	25.1	23.6	24.7	23.9	25.0	25.2
3H	23.7	24.7	24.1	25.0	25.3	23.8	24.8	24.2	25.1	25.4
4H	23.8	24.7	24.2	25.0	25.3	23.9	24.8	24.3	25.1	25.5
6H	23.9	24.7	24.3	25.0	25.4	24.0	24.8	24.4	25.1	25.5
8H	23.9	24.7	24.3	25.0	25.4	24.0	24.8	24.4	25.1	25.5
12H	23.9	24.6	24.4	25.0	25.4	24.0	24.7	24.5	25.1	25.5
8H 4H	23.8	24.5	24.2	24.9	25.2	23.9	24.6	24.3	25.0	25.4
6H	23.9	24.5	24.4	24.9	25.3	24.0	24.6	24.5	25.0	25.5
8H	24.0	24.5	24.5	24.9	25.4	24.1	24.6	24.6	25.1	25.5
12H	24.0	24.5	24.5	24.9	25.4	24.2	24.6	24.6	25.0	25.5
12H 4H	23.7	24.4	24.2	24.8	25.2	23.9	24.5	24.3	24.9	25.3
6H	23.9	24.4	24.4	24.9	25.3	24.0	24.6	24.5	25.0	25.4
8H	24.0	24.5	24.5	24.9	25.4	24.1	24.6	24.6	25.0	25.5

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.7 / - 0.9	+ 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, 3193 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.0)
 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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

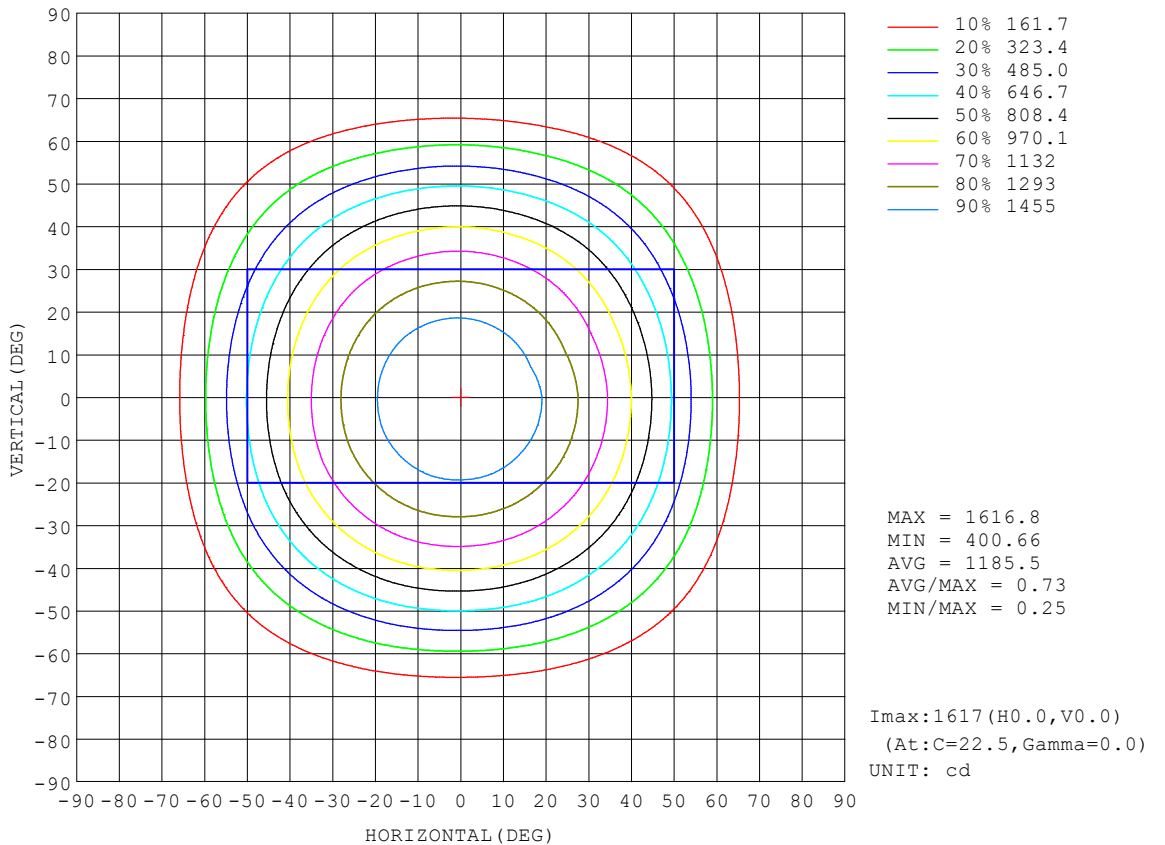
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	55	49	65	55	49	64	55	49	43
0.80	76	66	60	75	66	60	73	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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

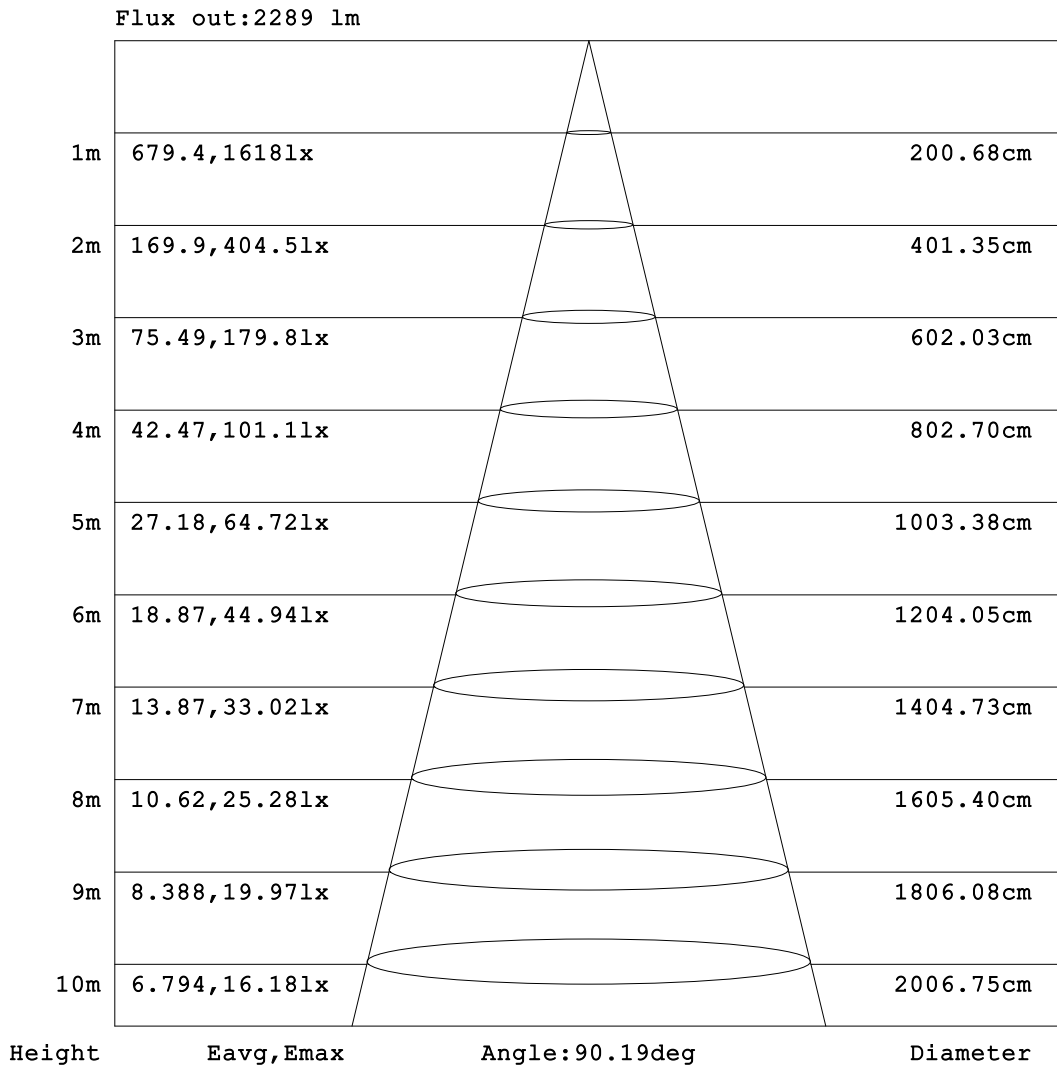


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:



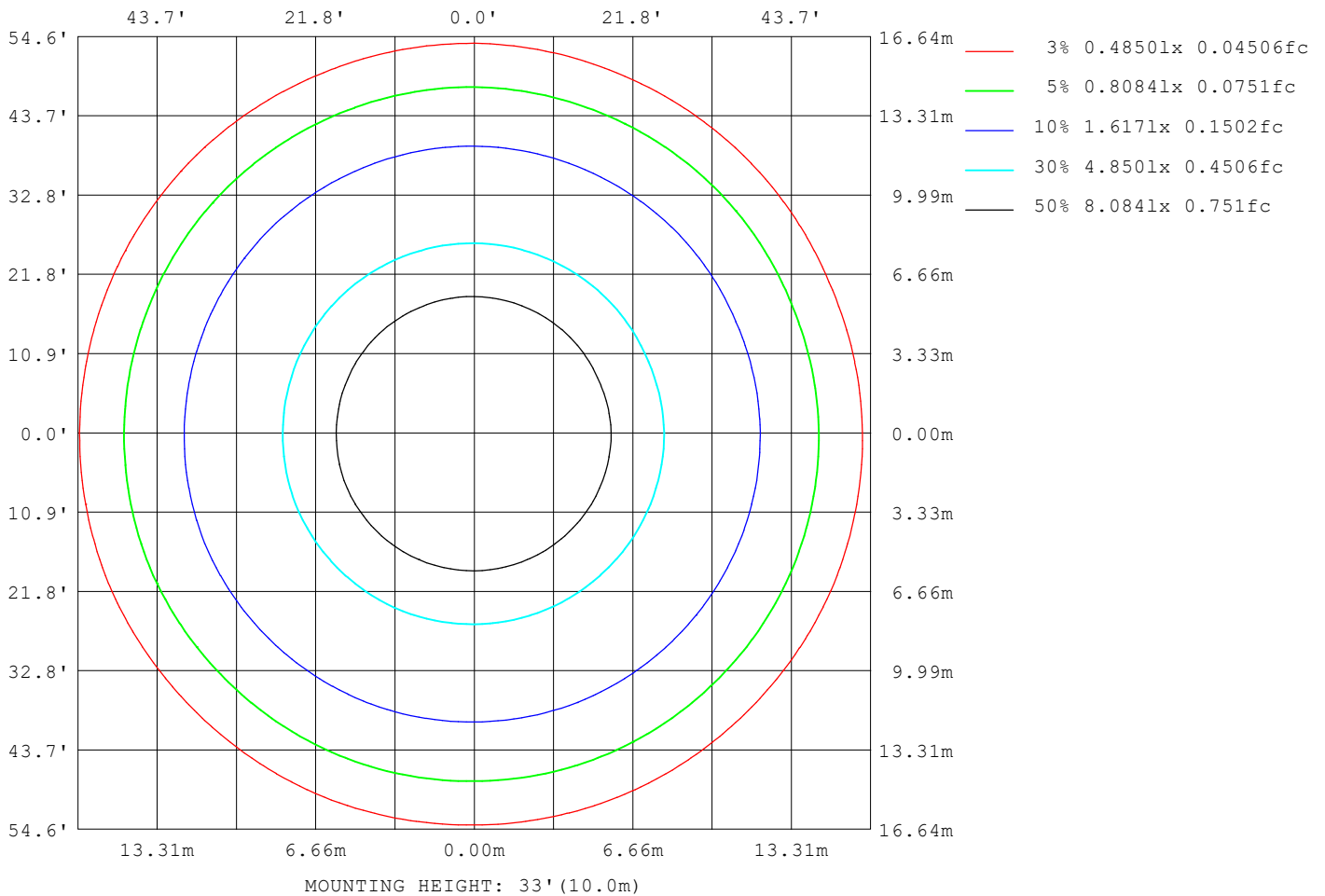
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	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:119.49V I:0.2126A P:25.224W PF:0.9929 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3193.44x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

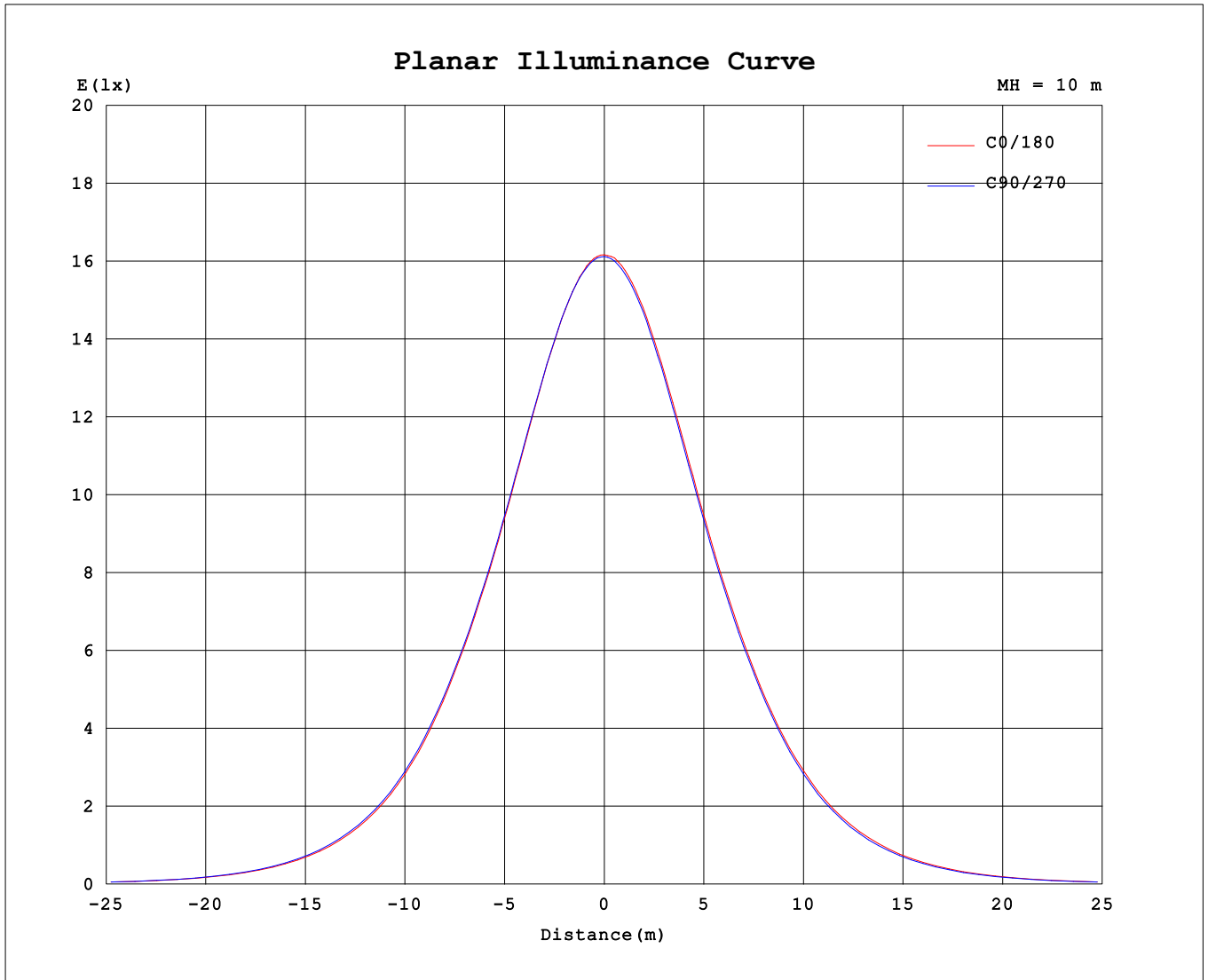
AvgL	cd/m2
L_0~180 (65) av	12861
L_0~180 (75) av	6952
L_0~180 (85) av	6025
L_90~270 (65) av	12663
L_90~270 (75) av	6965
L_90~270 (85) av	5200
L_45 (65) av	12758
L_45 (75) av	6971
L_45 (85) av	5715

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 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:

