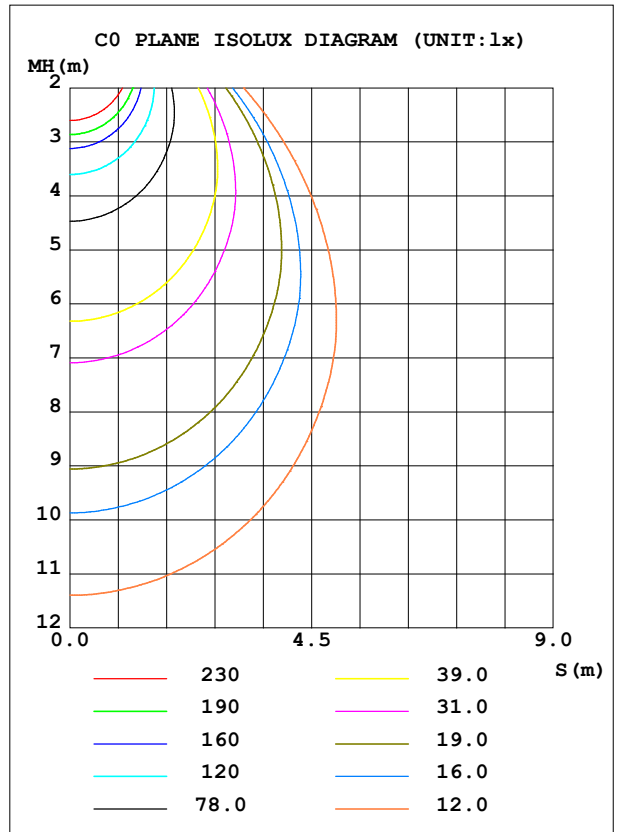
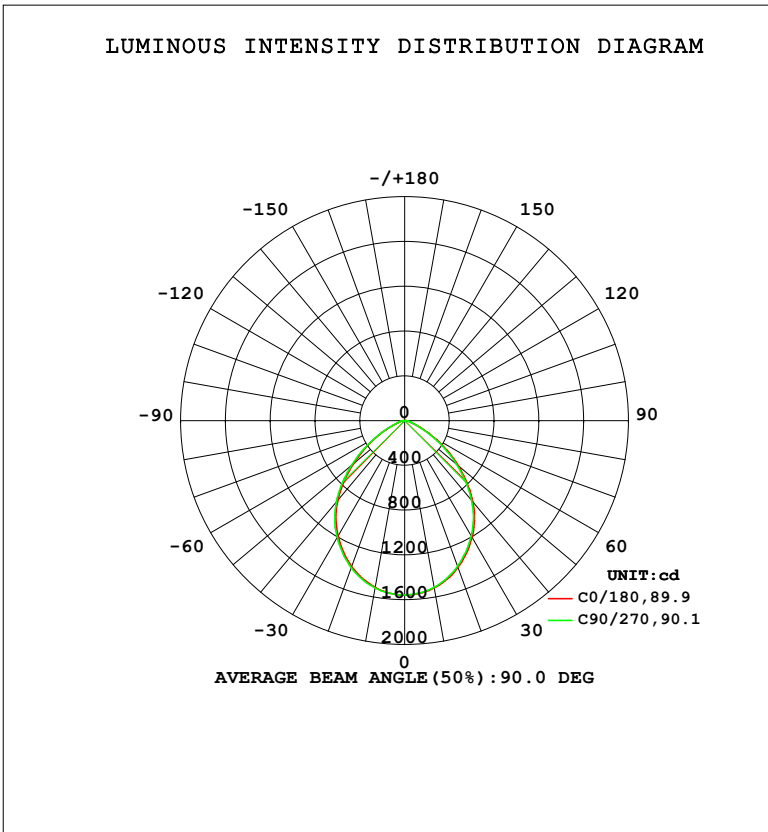


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	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)	1559	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)	3077.2	<input type="checkbox"/> UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	3077.24	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	1513	1516	1519	1522	1517	1516	1512	1507	0- 10	146.6	146.6	4.77,4.77
20	1387	1390	1398	1402	1395	1393	1384	1376	10- 20	411.6	558.3	18.1,18.1
30	1190	1197	1205	1213	1203	1199	1189	1179	20- 30	598.2	1156	37.6,37.6
40	928.2	934.8	949.6	959.4	948.6	942.8	930.9	920.5	30- 40	672.7	1829	59.4,59.4
50	596.5	606.7	620.6	633.4	626.5	616.4	603.7	592.1	40- 50	598.9	2428	78.9,78.9
60	281.9	288.8	296.5	303.9	306.4	301.4	288.4	276.6	50- 60	399.5	2828	91.9,91.9
70	84.43	84.57	87.06	89.93	90.63	91.43	86.98	84.18	60- 70	172.7	3000	97.5,97.5
80	34.60	34.99	35.78	36.90	36.78	37.01	36.02	35.88	70- 80	59.74	3060	99.4,99.4
90	0.8391	0.8391	0.7801	0.7997	1.485	1.462	1.462	1.482	80- 90	17.24	3077	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): 2147.3 lm

%lum = 69.8%

%lamp = 69.8%

Conical surface Flux(130deg): 2937.8 lm

%lum = 95.5%

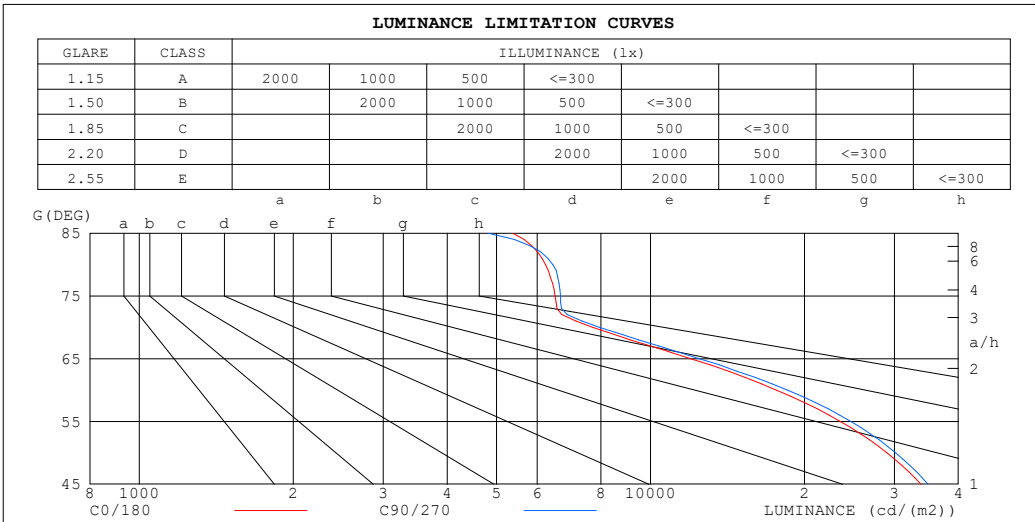
%lamp = 95.5%

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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	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	5378	4823
80	6227	6439
75	6505	6670
70	7715	7954
65	11997	12470
60	17618	18531
55	23519	24661
50	29002	30172
45	33793	34890

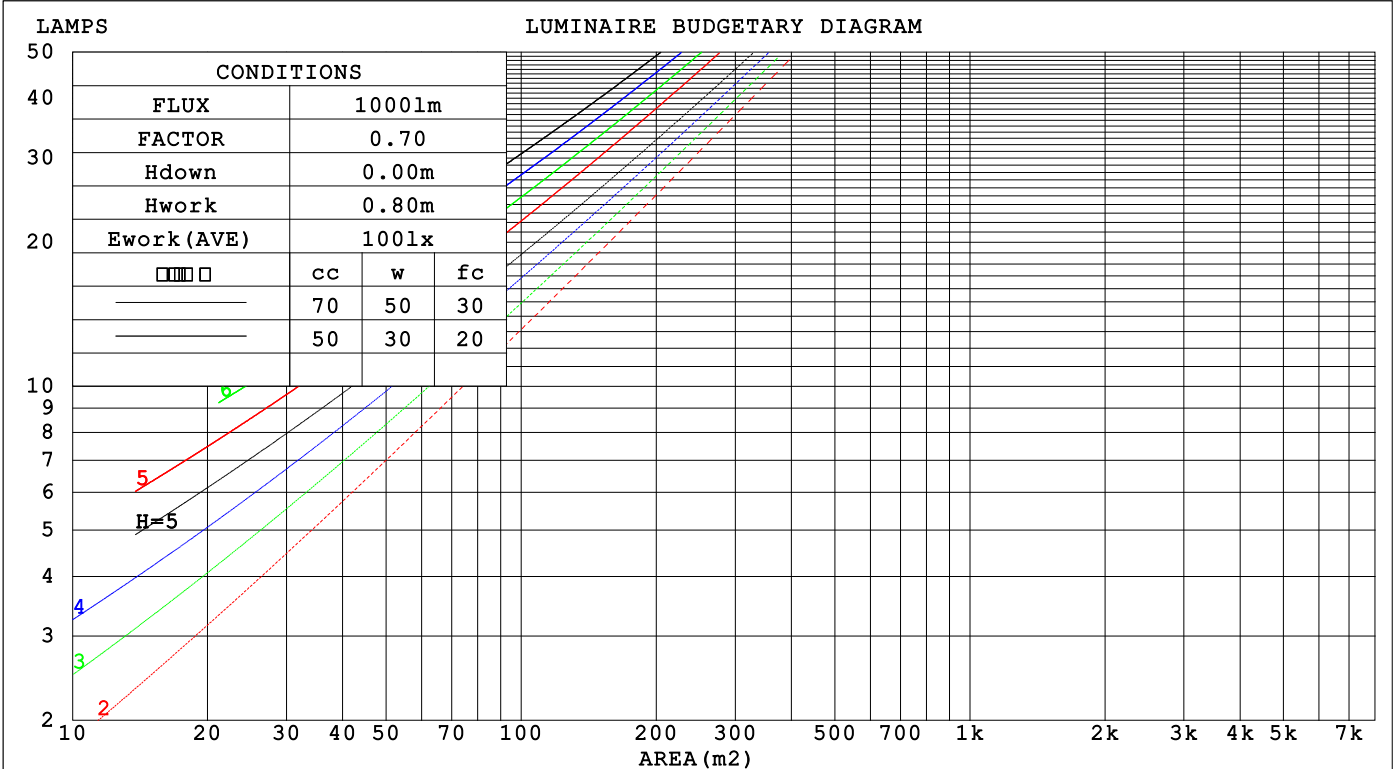
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	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	.190 .190 .190	.163 .163 .163	.111 .111 .111	.064 .064 .064	.020 .020 .020	
1.0	.176 .157 .139	.150 .134 .120	.103 .093 .083	.059 .054 .048	.019 .017 .016	
2.0	.165 .132 .104	.141 .114 .090	.097 .079 .063	.056 .046 .037	.018 .015 .012	
3.0	.156 .114 .080	.134 .098 .070	.092 .068 .049	.053 .040 .029	.017 .013 .009	
4.0	.148 .100 .064	.127 .087 .055	.087 .060 .039	.051 .035 .023	.016 .012 .008	
5.0	.141 .089 .052	.121 .077 .045	.083 .054 .032	.048 .032 .019	.016 .010 .006	
6.0	.134 .081 .043	.115 .070 .037	.079 .049 .026	.046 .029 .016	.015 .009 .005	
7.0	.128 .074 .036	.110 .064 .031	.076 .045 .022	.044 .026 .013	.014 .009 .004	
8.0	.122 .068 .031	.105 .059 .027	.073 .041 .019	.042 .024 .011	.014 .008 .004	
9.0	.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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	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	23.2	24.5	23.5	24.7	24.9	23.4	24.7	23.6	24.9	25.1
3H	23.4	24.6	23.7	24.8	25.0	23.5	24.7	23.8	25.0	25.2
4H	23.4	24.5	23.7	24.8	25.0	23.6	24.7	23.9	24.9	25.2
6H	23.4	24.5	23.7	24.7	25.0	23.6	24.6	23.9	24.9	25.2
8H	23.4	24.4	23.7	24.7	25.0	23.6	24.6	23.9	24.9	25.2
12H	23.4	24.4	23.7	24.7	25.0	23.6	24.5	23.9	24.8	25.1
4H 2H	23.3	24.5	23.6	24.7	25.0	23.5	24.6	23.8	24.8	25.1
3H	23.6	24.6	23.9	24.8	25.1	23.7	24.7	24.0	25.0	25.3
4H	23.6	24.5	24.0	24.9	25.2	23.8	24.7	24.1	25.0	25.3
6H	23.7	24.5	24.1	24.9	25.2	23.9	24.7	24.3	25.0	25.4
8H	23.8	24.5	24.2	24.9	25.2	23.9	24.6	24.3	25.0	25.4
12H	23.8	24.4	24.2	24.8	25.2	23.9	24.6	24.3	25.0	25.4
8H 4H	23.6	24.3	24.0	24.7	25.1	23.7	24.5	24.2	24.8	25.2
6H	23.8	24.4	24.2	24.8	25.2	23.9	24.5	24.3	24.9	25.3
8H	23.8	24.4	24.3	24.8	25.2	24.0	24.5	24.4	24.9	25.4
12H	23.9	24.3	24.4	24.8	25.2	24.0	24.5	24.5	24.9	25.4
12H 4H	23.6	24.3	24.0	24.6	25.0	23.7	24.4	24.1	24.8	25.2
6H	23.8	24.3	24.2	24.7	25.2	23.9	24.4	24.3	24.8	25.3
8H	23.8	24.3	24.3	24.7	25.2	24.0	24.4	24.4	24.9	25.3

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 / - 1.9	+ 1.5 / - 2.0

CIE Pub.117, 3077 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.9)
 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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

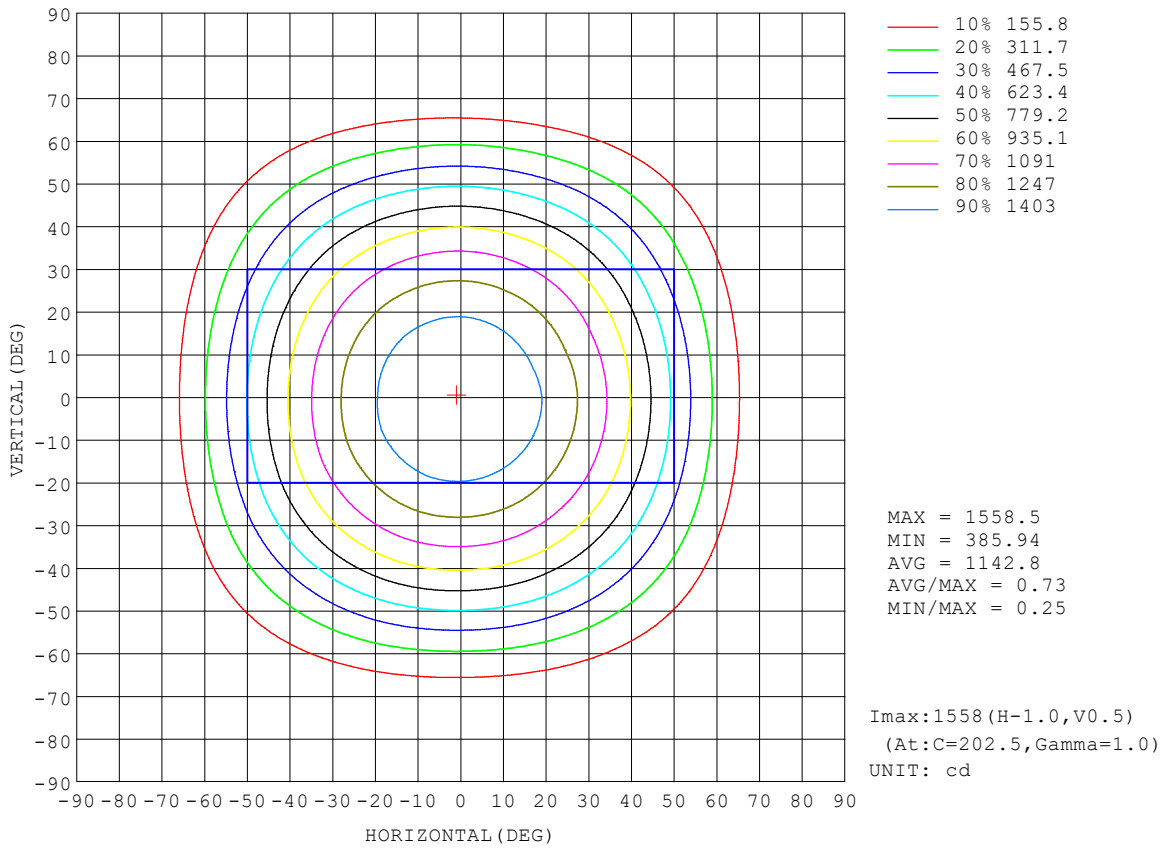
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	49	65	55	49	64	55	49	44
0.80	76	66	60	75	66	60	73	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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:



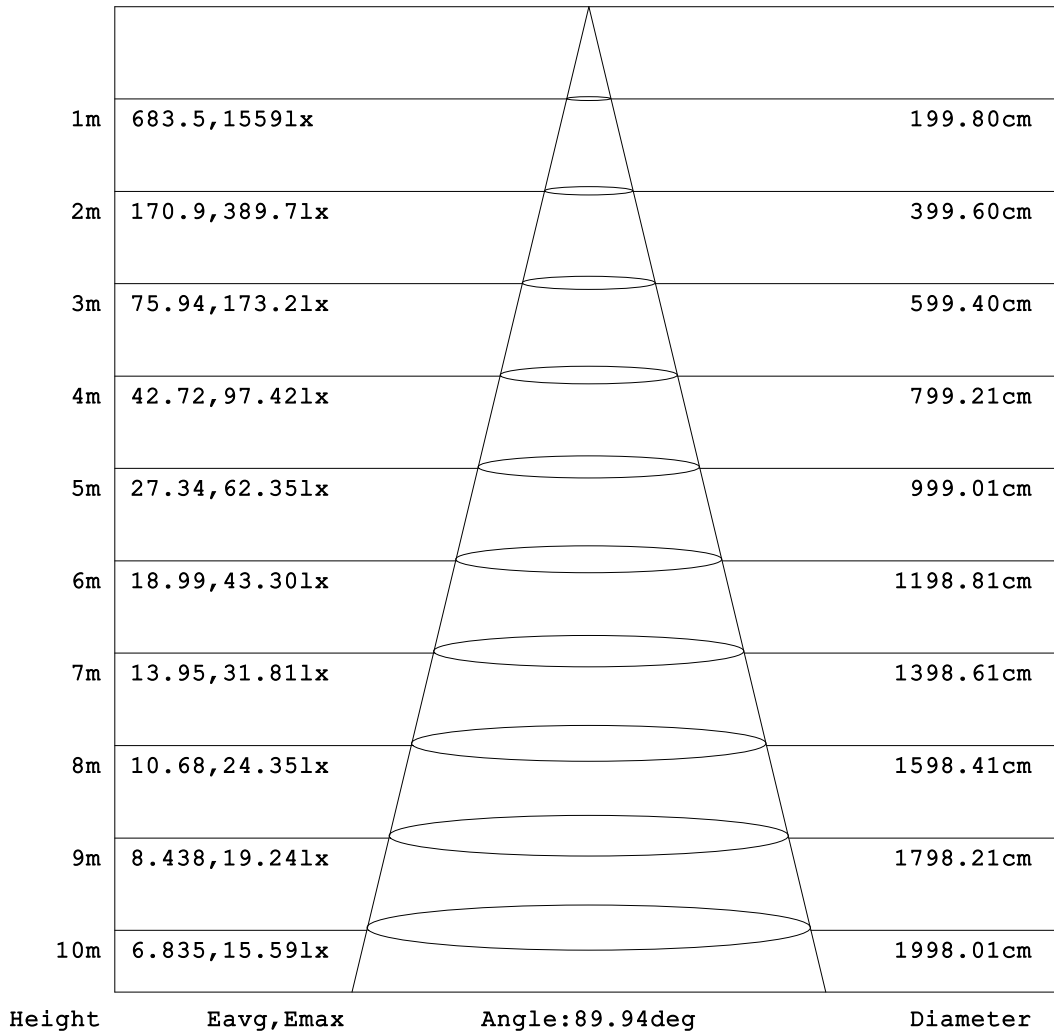
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

Flux out:2147 lm



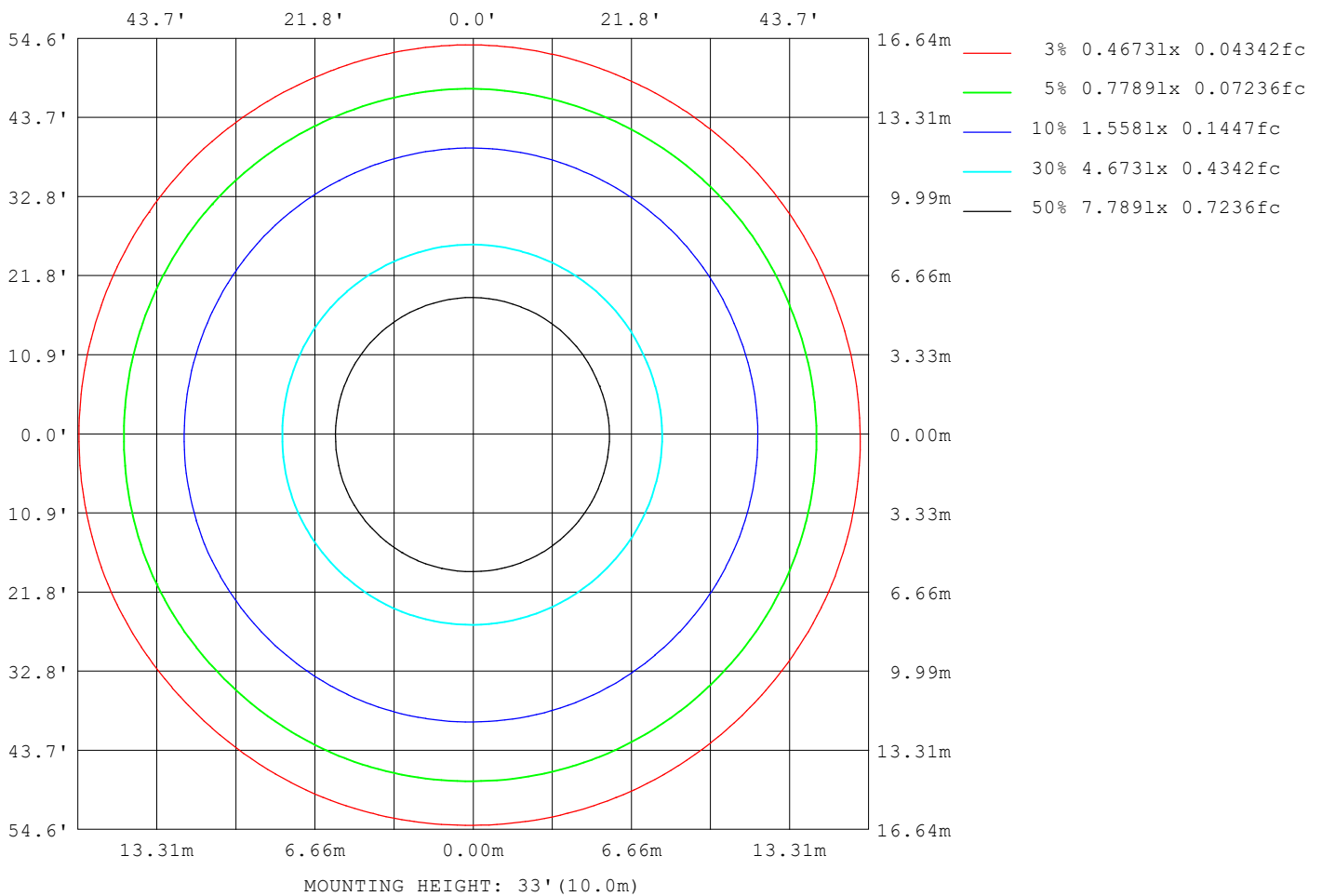
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	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:119.53V I:0.2109A P:25.020W PF:0.9927 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3077.24x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

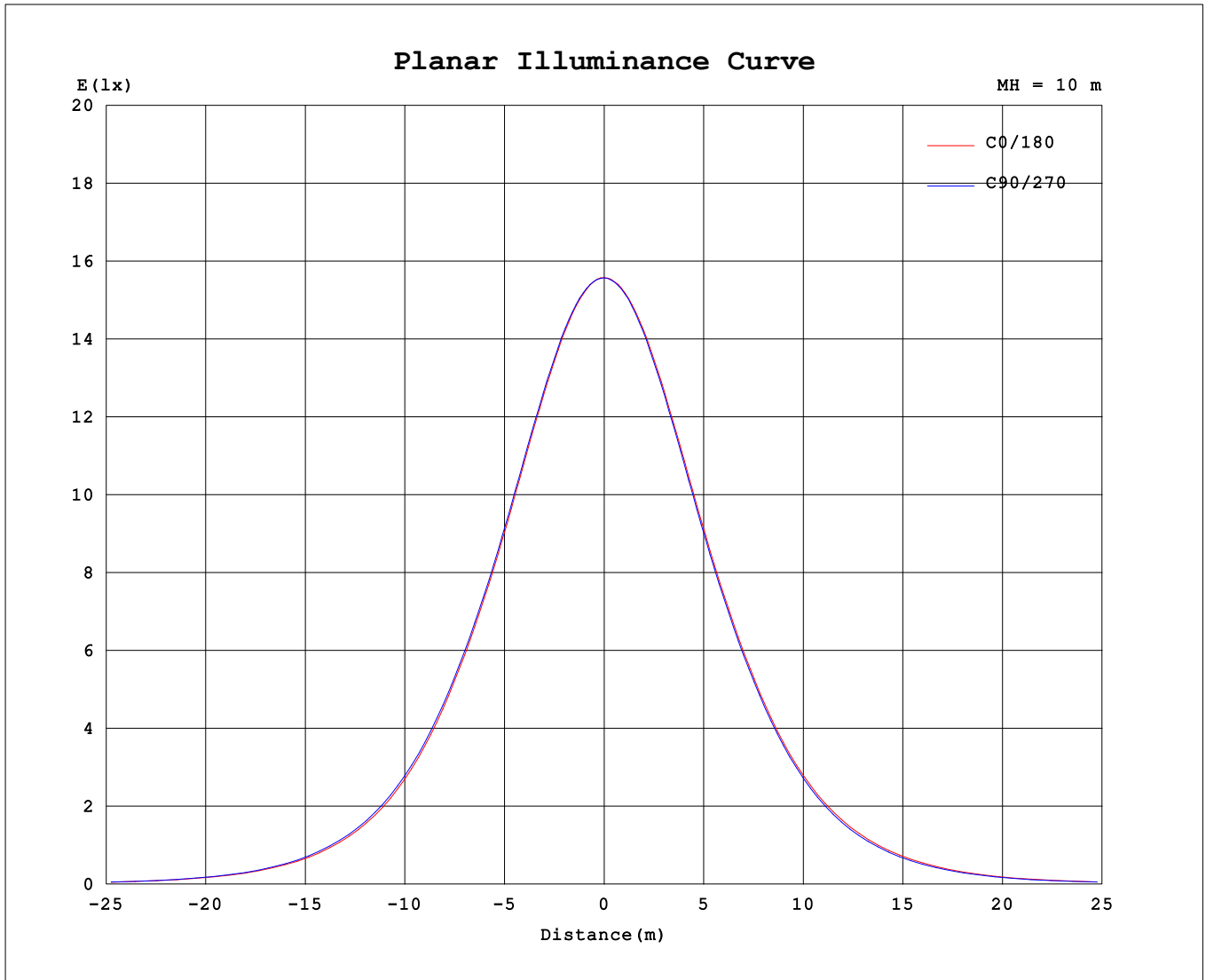
AvgL	cd/m2
L_0~180 (65) av	12467
L_0~180 (75) av	6637
L_0~180 (85) av	5750
L_90~270 (65) av	12295
L_90~270 (75) av	6666
L_90~270 (85) av	4979
L_45 (65) av	12396
L_45 (75) av	6672
L_45 (85) av	5470

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:

