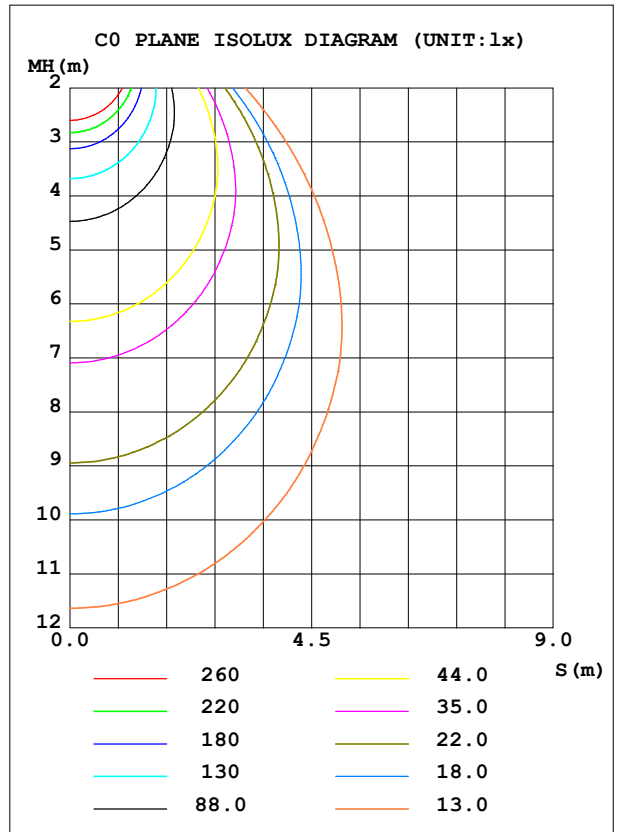
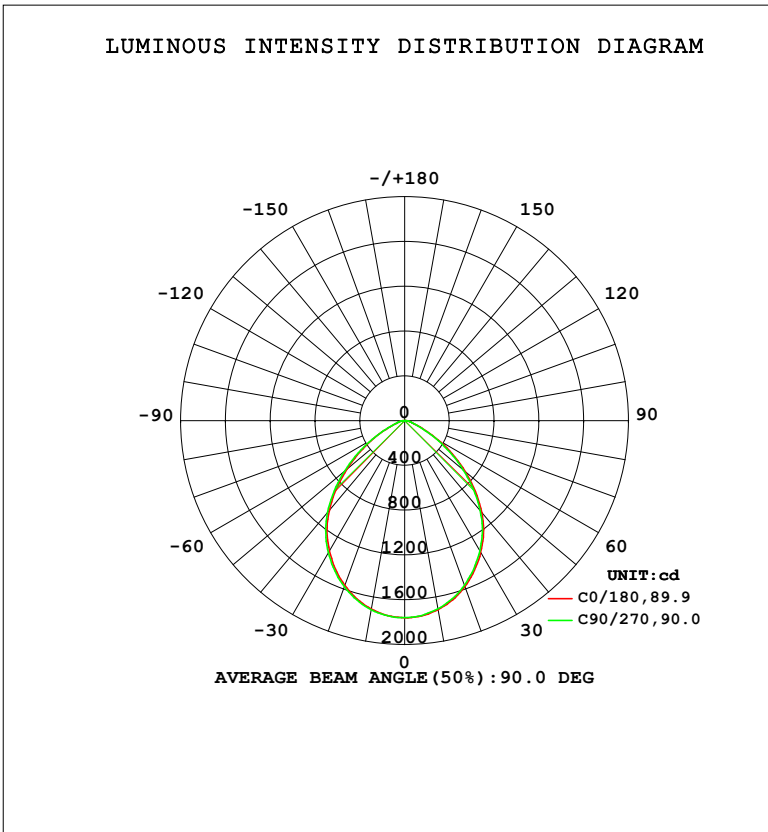


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	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)	1762	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)	3475.1	<input type="checkbox"/> UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	3475.13	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	1710	1711	1716	1718	1715	1712	1708	1703	0- 10	165.7	165.7	4.77,4.77
20	1565	1569	1578	1584	1576	1574	1563	1554	10- 20	465.0	630.7	18.1,18.1
30	1343	1351	1363	1370	1359	1354	1343	1331	20- 30	675.7	1306	37.6,37.6
40	1049	1055	1073	1085	1073	1065	1051	1040	30- 40	759.7	2066	59.5,59.5
50	673.4	684.2	700.8	715.0	708.0	696.1	681.8	668.4	40- 50	676.3	2742	78.9,78.9
60	318.2	325.0	334.6	343.2	346.3	340.1	325.2	312.0	50- 60	450.9	3193	91.9,91.9
70	95.19	95.38	98.39	101.6	102.6	103.1	98.21	95.07	60- 70	194.8	3388	97.5,97.5
80	39.04	39.47	40.40	41.73	41.55	41.84	40.69	40.50	70- 80	67.45	3456	99.4,99.4
90	0.9833	0.9767	0.9243	0.9308	1.702	1.659	1.665	1.685	80- 90	19.49	3475	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): 2425.4 lm

%lum = 69.8%

%lamp = 69.8%

Conical surface Flux(130deg): 3317.7 lm

%lum = 95.5%

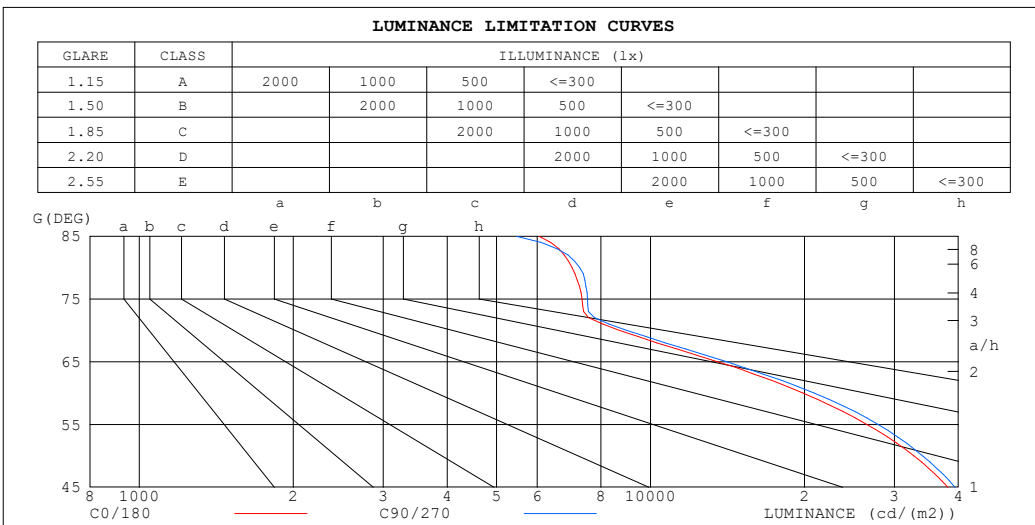
%lamp = 95.5%

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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	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	6054	5463
80	7026	7270
75	7342	7530
70	8697	8990
65	13518	14111
60	19888	20914
55	26486	27859
50	32738	34071
45	38189	39378

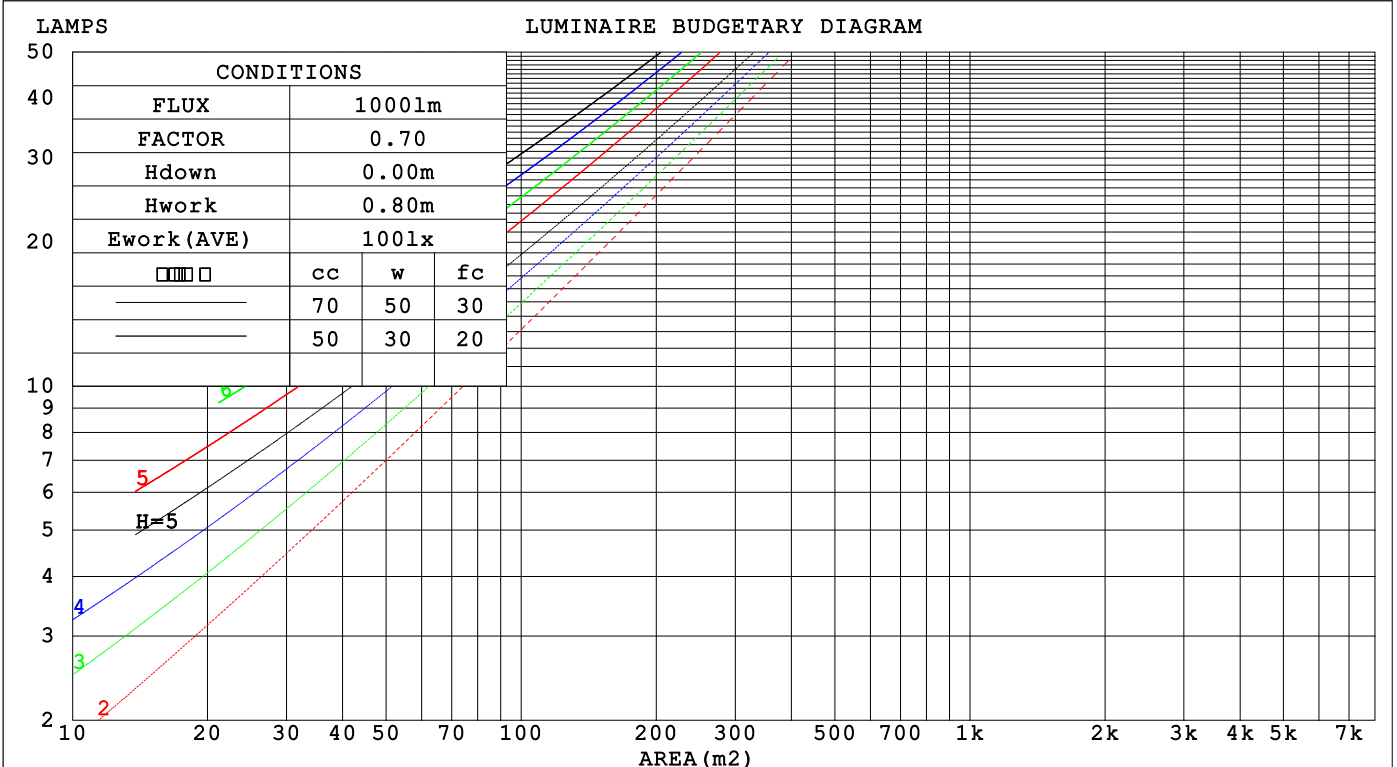
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	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	.60
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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	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	23.6	24.9	23.9	25.1	25.3	23.8	25.1	24.0	25.3	25.5
3H	23.8	25.0	24.1	25.2	25.5	24.0	25.2	24.2	25.4	25.6
4H	23.8	25.0	24.1	25.2	25.4	24.0	25.1	24.3	25.4	25.6
6H	23.8	24.9	24.2	25.2	25.4	24.0	25.1	24.3	25.3	25.6
8H	23.8	24.9	24.2	25.1	25.4	24.0	25.0	24.3	25.3	25.6
12H	23.8	24.8	24.2	25.1	25.4	24.0	25.0	24.3	25.2	25.5
4H 2H	23.7	24.9	24.0	25.1	25.4	23.9	25.0	24.2	25.3	25.5
3H	24.0	25.0	24.3	25.3	25.6	24.1	25.1	24.5	25.4	25.7
4H	24.1	25.0	24.4	25.3	25.6	24.2	25.1	24.6	25.4	25.7
6H	24.1	24.9	24.5	25.3	25.6	24.3	25.1	24.7	25.4	25.8
8H	24.2	24.9	24.6	25.3	25.6	24.3	25.1	24.7	25.4	25.8
12H	24.2	24.9	24.6	25.2	25.6	24.3	25.0	24.7	25.4	25.8
8H 4H	24.0	24.8	24.4	25.1	25.5	24.2	24.9	24.6	25.3	25.6
6H	24.2	24.8	24.6	25.2	25.6	24.3	24.9	24.8	25.3	25.7
8H	24.3	24.8	24.7	25.2	25.6	24.4	24.9	24.8	25.3	25.8
12H	24.3	24.8	24.8	25.2	25.7	24.4	24.9	24.9	25.3	25.8
12H 4H	24.0	24.7	24.4	25.1	25.5	24.1	24.8	24.6	25.2	25.6
6H	24.2	24.7	24.6	25.1	25.6	24.3	24.8	24.8	25.3	25.7
8H	24.3	24.7	24.7	25.2	25.6	24.4	24.8	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 / - 1.9	+ 1.5 / - 2.0

CIE Pub.117, 3475 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.3)
 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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

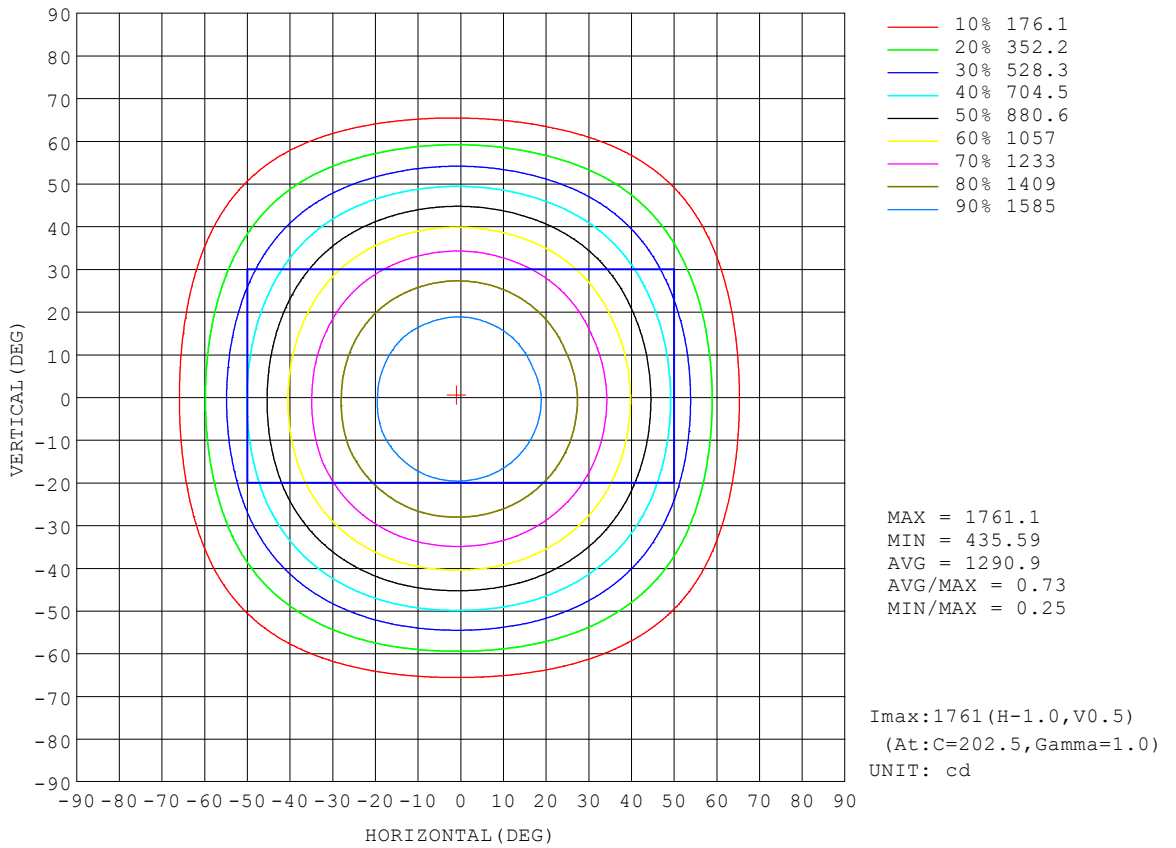
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	49	65	55	49	64	55	49	44
0.80	76	66	60	75	66	60	73	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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

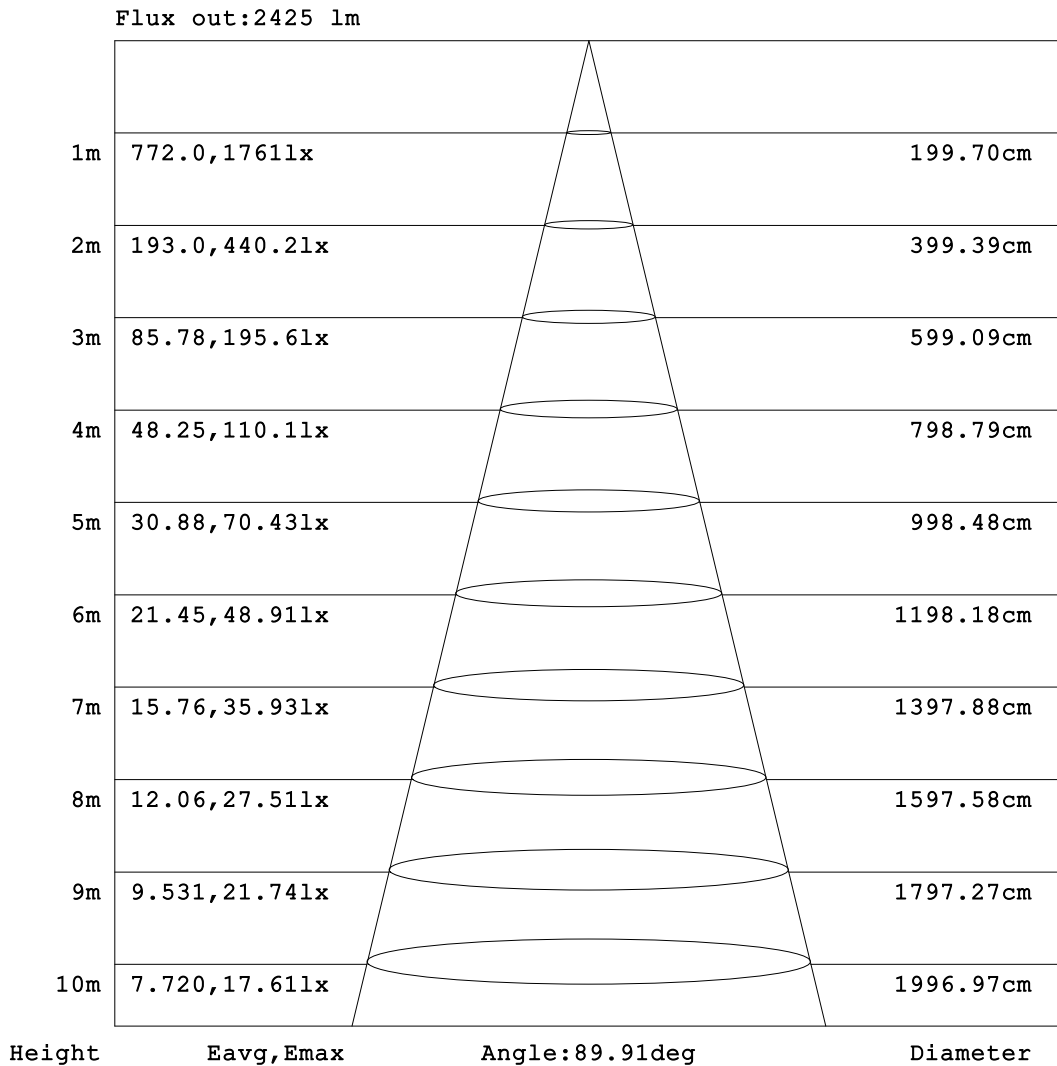


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-06-28

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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:



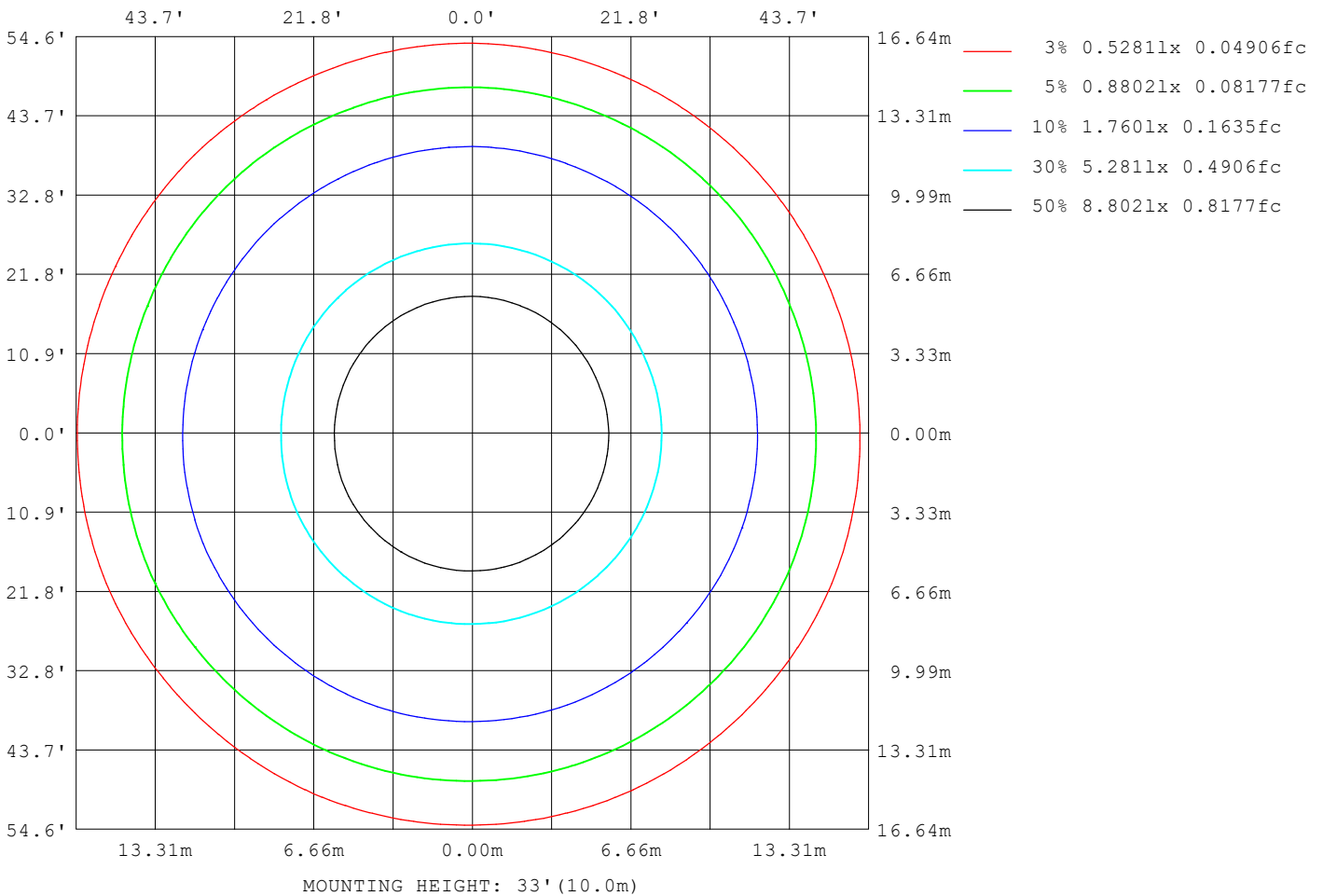
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	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:119.55V I:0.2406A P:28.532W PF:0.9918 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3475.13x1 lm		
NAME: DL254-8-35W-M-A5C5-HO	TYPE: 30W	WEIGHT:
SPEC.: 3500K	DIM.: 0.26	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.20	Shielding Angle:

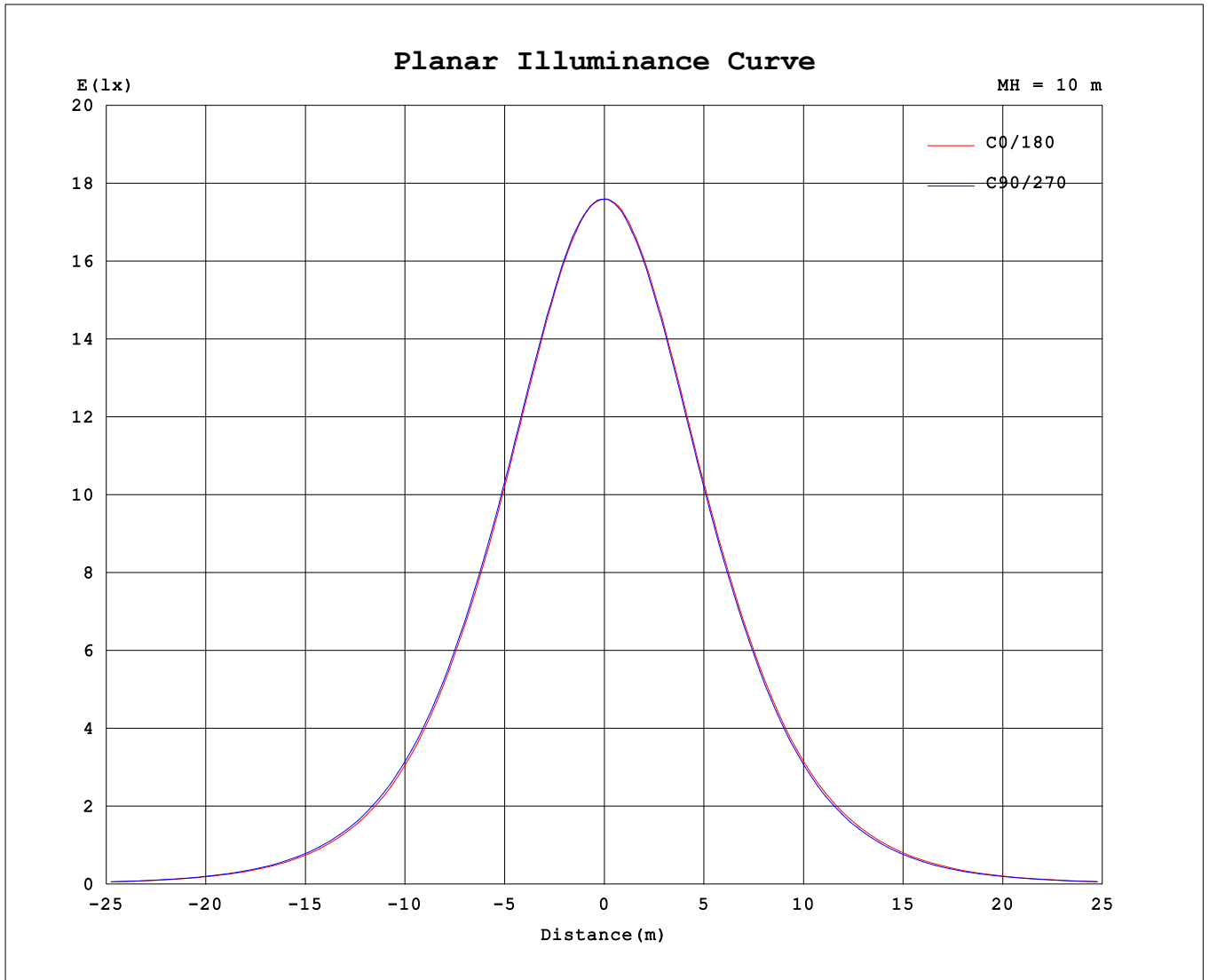
AvgL	cd/m2
L_0~180 (65) av	14068
L_0~180 (75) av	7492
L_0~180 (85) av	6505
L_90~270 (65) av	13891
L_90~270 (75) av	7527
L_90~270 (85) av	5640
L_45 (65) av	13992
L_45 (75) av	7531
L_45 (85) av	6200

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:

