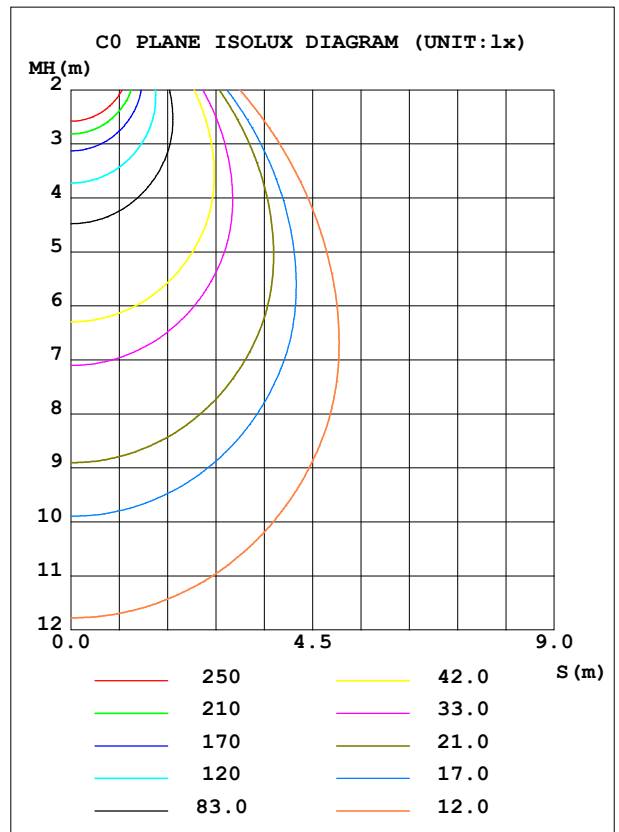
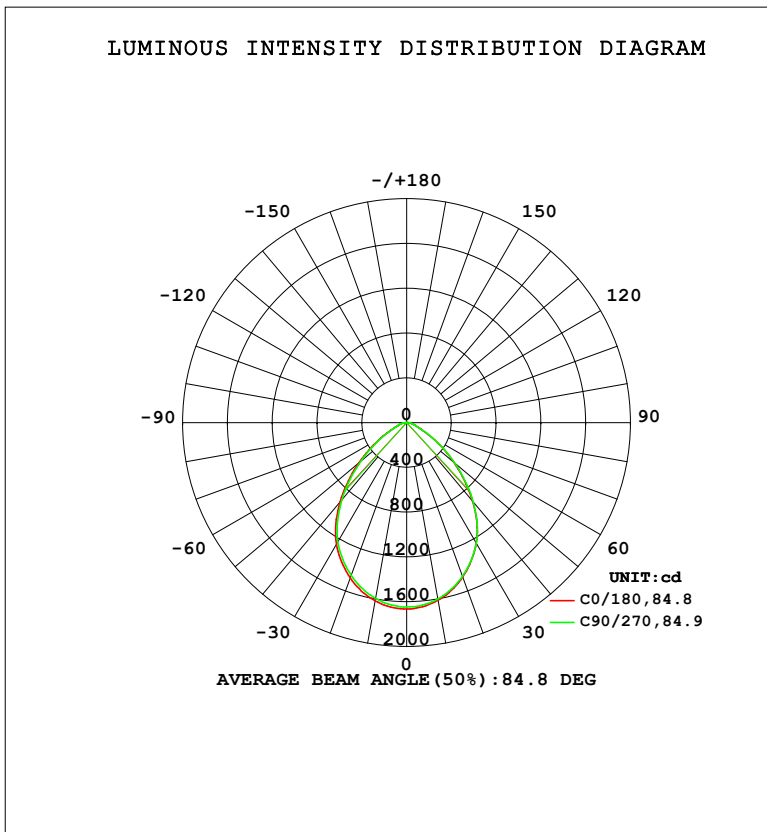


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	DL254-6-30W-M-A5C5-HO	Imax (cd)	1665	S/MH (C0/180)	1.14
NOMINAL POWER (W)	26	LOR (%)	100.0	S/MH (C90/270)	1.14
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3033.8	<input type="checkbox"/> UP, DN (C0-180)	0.0,49.7
NOMINAL FLUX (lm)	3033.82	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0,50.3
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-06-29

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	1617	1605	1596	1592	1611	1605	1600	1595	0- 10	155.2	155.2	5.11,5.11
20	1477	1460	1451	1449	1467	1463	1461	1457	10- 20	433.6	588.8	19.4,19.4
30	1256	1240	1231	1229	1245	1245	1245	1241	20- 30	624.3	1213	40,40
40	926.5	908.6	900.1	901.2	918.1	925.1	926.2	922.8	30- 40	678.3	1891	62.3,62.3
50	554.9	540.0	532.5	531.1	550.4	562.7	560.2	552.5	40- 50	561.3	2453	80.8,80.8
60	244.6	241.3	233.5	235.4	248.6	254.9	251.8	243.5	50- 60	344.4	2797	92.2,92.2
70	87.91	87.03	87.29	88.24	90.69	90.89	90.10	88.47	60- 70	149.8	2947	97.1,97.1
80	39.43	40.49	40.47	41.38	42.42	42.43	40.83	40.76	70- 80	68.64	3016	99.4,99.4
90	0.7932	0.8063	0.7604	0.7670	1.390	1.318	1.331	1.318	80- 90	18.24	3034	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): 2195.6 lm

%lum = 72.4%

%lamp = 72.4%

Conical surface Flux(130deg): 2889.8 lm

%lum = 95.3%

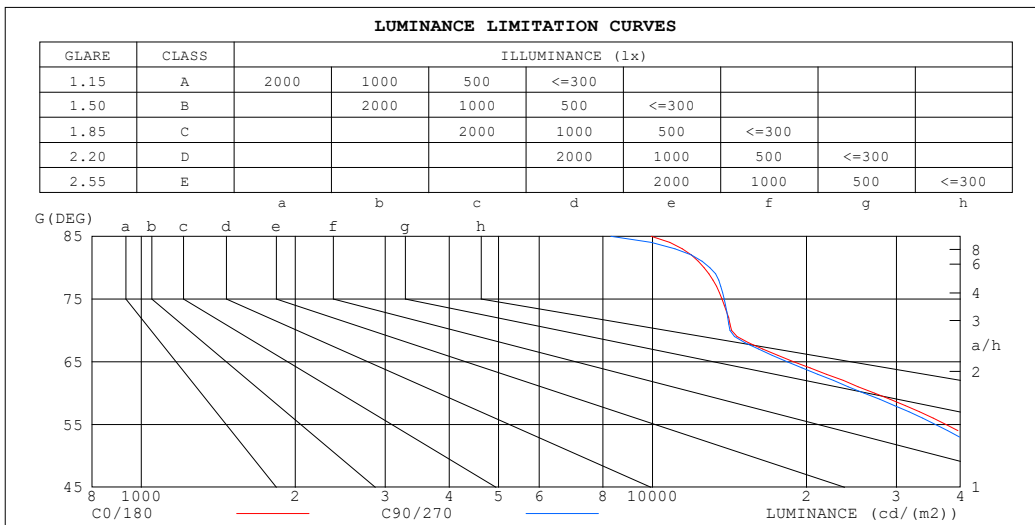
%lamp = 95.3%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

□ 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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9936	8292
80	12616	12947
75	13667	13801
70	14280	14179
65	18896	18335
60	27180	25947
55	37489	35750
50	47961	46020
45	58056	55990

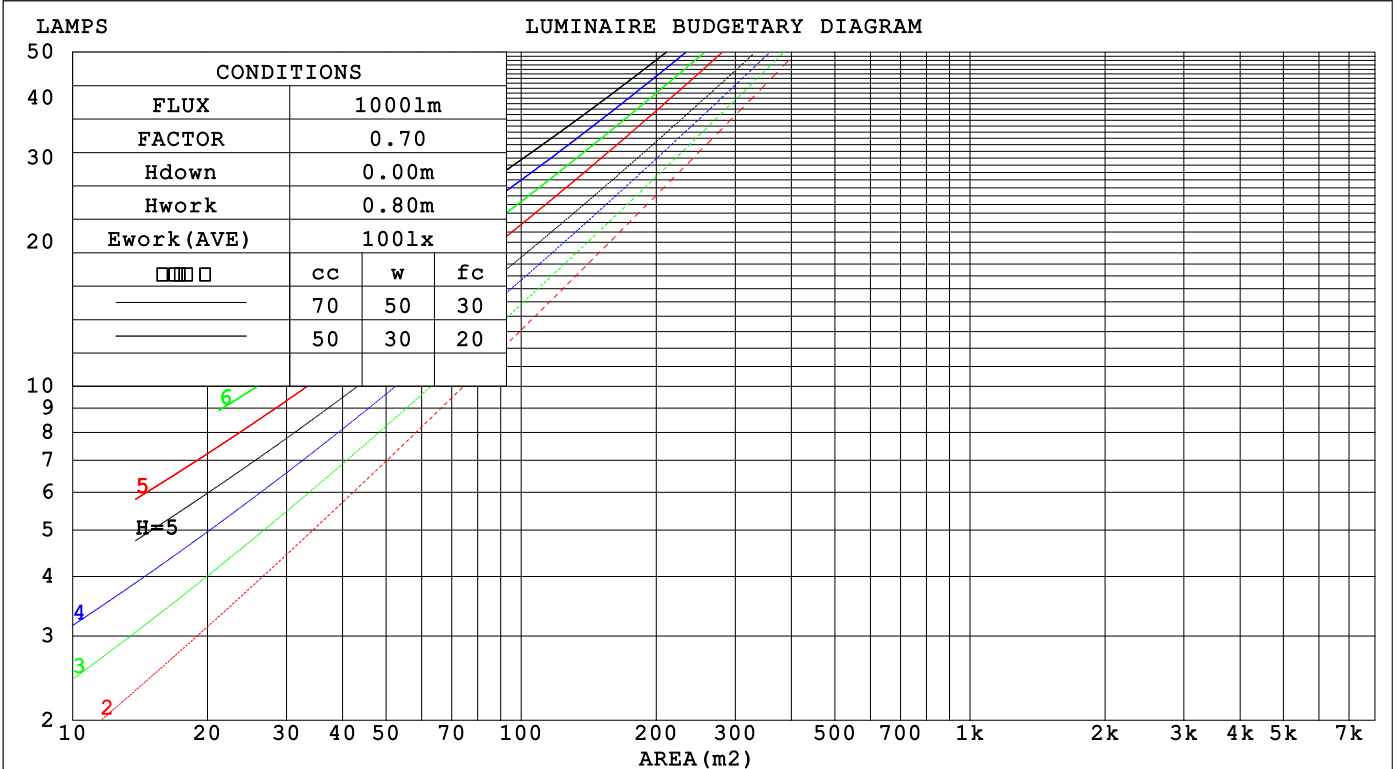
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	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	.99	.96	.97	.95	.93	.94	.92	.91	.89
2.0	.96	.91	.86	.95	.90	.85	.91	.87	.83	.88	.85	.81	.85	.82	.80	.78
3.0	.87	.80	.75	.85	.79	.74	.83	.77	.73	.80	.75	.72	.77	.74	.70	.68
4.0	.79	.71	.65	.77	.70	.65	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5.0	.71	.64	.58	.70	.63	.58	.68	.62	.57	.66	.61	.56	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.51	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.60	.52	.46	.59	.52	.46	.57	.51	.46	.56	.50	.46	.55	.50	.45	.44
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9.0	.51	.43	.38	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

□ 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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	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	.243 .138 .044	.236 .134 .043	.223 .128 .041	.211 .122 .039	.200 .116 .037	
2.0	.234 .128 .039	.228 .126 .039	.217 .121 .037	.207 .116 .036	.197 .112 .035	
3.0	.222 .118 .035	.217 .116 .035	.207 .112 .034	.198 .109 .033	.190 .105 .033	
4.0	.209 .109 .032	.205 .107 .032	.196 .104 .031	.188 .101 .030	.181 .098 .030	
5.0	.197 .100 .029	.193 .099 .029	.186 .097 .028	.178 .094 .028	.172 .092 .028	
6.0	.186 .093 .027	.182 .092 .026	.175 .090 .026	.169 .088 .026	.163 .086 .026	
7.0	.175 .087 .025	.172 .086 .024	.166 .084 .024	.160 .082 .024	.155 .081 .024	
8.0	.166 .081 .023	.163 .080 .023	.157 .079 .022	.152 .077 .022	.147 .076 .022	
9.0	.157 .076 .021	.154 .075 .021	.149 .074 .021	.145 .073 .021	.140 .071 .021	
10.0	.149 .071 .020	.146 .071 .020	.142 .070 .020	.138 .068 .019	.134 .067 .019	

<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 .140	.150 .135 .120	.103 .093 .083	.059 .054 .048	.019 .017 .016	
2.0	.165 .132 .105	.141 .114 .091	.097 .079 .063	.056 .046 .037	.018 .015 .012	
3.0	.155 .114 .081	.133 .098 .070	.091 .068 .049	.053 .040 .029	.017 .013 .010	
4.0	.147 .100 .064	.126 .086 .056	.087 .060 .039	.050 .035 .023	.016 .011 .008	
5.0	.140 .089 .052	.120 .077 .045	.083 .054 .032	.048 .032 .019	.015 .010 .006	
6.0	.133 .081 .043	.114 .070 .038	.079 .049 .027	.046 .029 .016	.015 .009 .005	
7.0	.127 .074 .036	.109 .064 .032	.075 .045 .022	.044 .026 .013	.014 .009 .004	
8.0	.121 .068 .031	.104 .059 .027	.072 .041 .019	.042 .024 .012	.014 .008 .004	
9.0	.115 .063 .027	.099 .054 .024	.069 .038 .017	.040 .023 .010	.013 .007 .003	
10.0	.110 .058 .024	.095 .051 .021	.066 .036 .015	.038 .021 .009	.012 .007 .003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	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	24.6	25.9	24.9	26.1	26.3	24.5	25.8	24.7	26.0	26.2
3H	24.9	26.1	25.1	26.3	26.5	24.7	25.9	25.0	26.1	26.3
4H	25.0	26.1	25.3	26.3	26.6	24.8	25.9	25.1	26.2	26.4
6H	25.0	26.1	25.4	26.4	26.6	24.9	26.0	25.2	26.2	26.5
8H	25.1	26.1	25.4	26.3	26.6	24.9	26.0	25.3	26.2	26.5
12H	25.1	26.0	25.4	26.3	26.6	24.9	25.9	25.3	26.2	26.5
4H 2H	24.7	25.8	25.0	26.1	26.3	24.6	25.7	24.9	25.9	26.2
3H	25.0	26.0	25.4	26.3	26.6	24.9	25.9	25.3	26.2	26.5
4H	25.2	26.1	25.6	26.4	26.7	25.1	26.0	25.5	26.3	26.6
6H	25.4	26.2	25.8	26.5	26.9	25.3	26.1	25.7	26.4	26.8
8H	25.5	26.2	25.9	26.5	26.9	25.4	26.1	25.8	26.4	26.8
12H	25.5	26.2	25.9	26.5	26.9	25.4	26.0	25.8	26.4	26.8
8H 4H	25.3	26.0	25.7	26.3	26.7	25.1	25.9	25.5	26.2	26.6
6H	25.5	26.1	26.0	26.5	26.9	25.4	26.0	25.9	26.4	26.8
8H	25.6	26.2	26.1	26.6	27.0	25.5	26.1	26.0	26.5	26.9
12H	25.7	26.1	26.2	26.6	27.1	25.6	26.0	26.1	26.5	27.0
12H 4H	25.2	25.9	25.7	26.3	26.7	25.1	25.8	25.5	26.2	26.6
6H	25.5	26.0	26.0	26.5	26.9	25.4	26.0	25.9	26.4	26.8
8H	25.7	26.1	26.1	26.5	27.0	25.6	26.0	26.0	26.5	26.9

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.8 / - 1.0	+ 0.8 / - 1.0
1.5H	+ 0.4 / - 0.4	+ 0.4 / - 0.4
2.0H	+ 1.7 / - 1.9	+ 1.7 / - 1.8

CIE Pub.117, 3034 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.9)  
 Area: 0.018 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

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:

**UTILIZATION FACTORS TABLE**

Test:U:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:

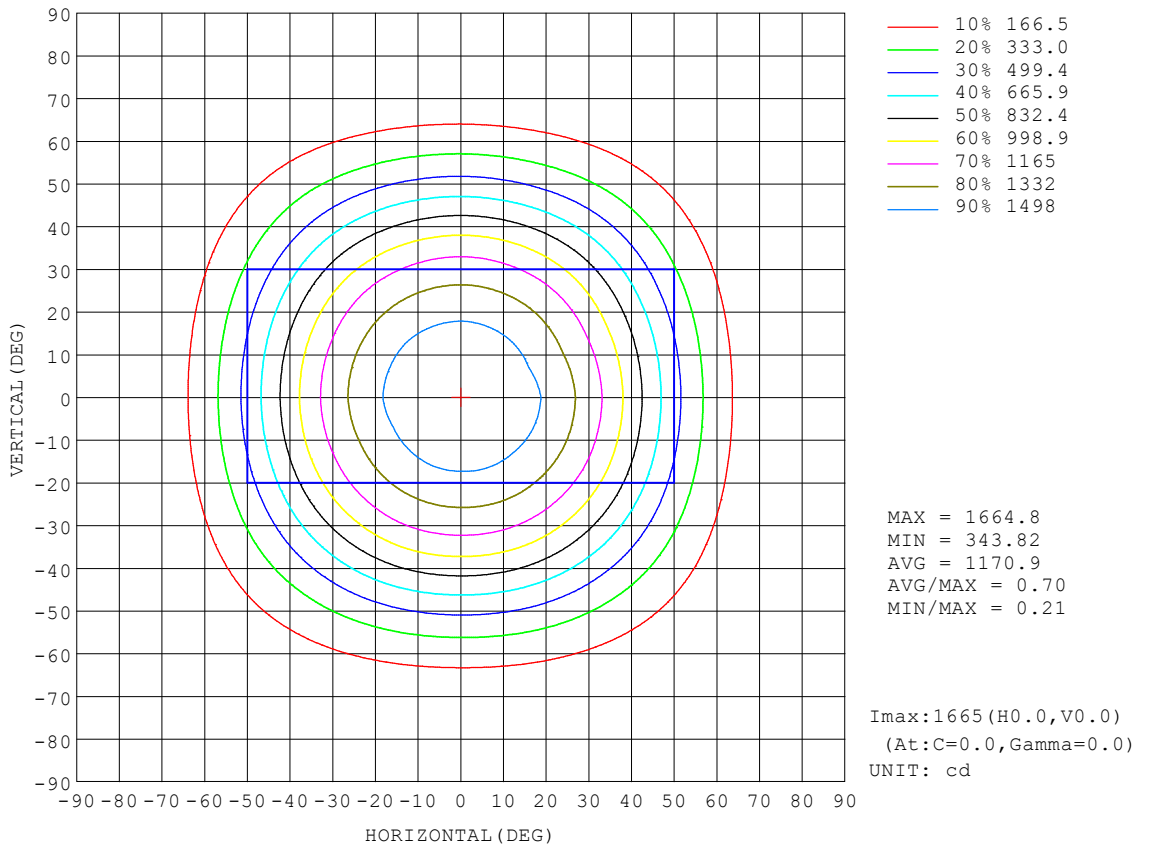
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	68	58	52	67	58	52	66	57	52	46
0.80	78	68	62	77	68	62	75	67	62	56
1.00	85	77	71	84	76	71	82	77	70	64
1.25	92	84	78	90	83	78	88	82	77	71
1.50	96	88	83	95	88	83	92	86	81	75
2.00	101	95	90	100	94	89	97	92	88	81
2.50	104	98	94	102	97	93	99	94	91	84
3.00	107	102	97	105	100	96	101	97	94	87
4.00	110	105	102	107	104	100	104	100	98	90
5.00	111	108	105	109	106	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:2023-06-29

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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:



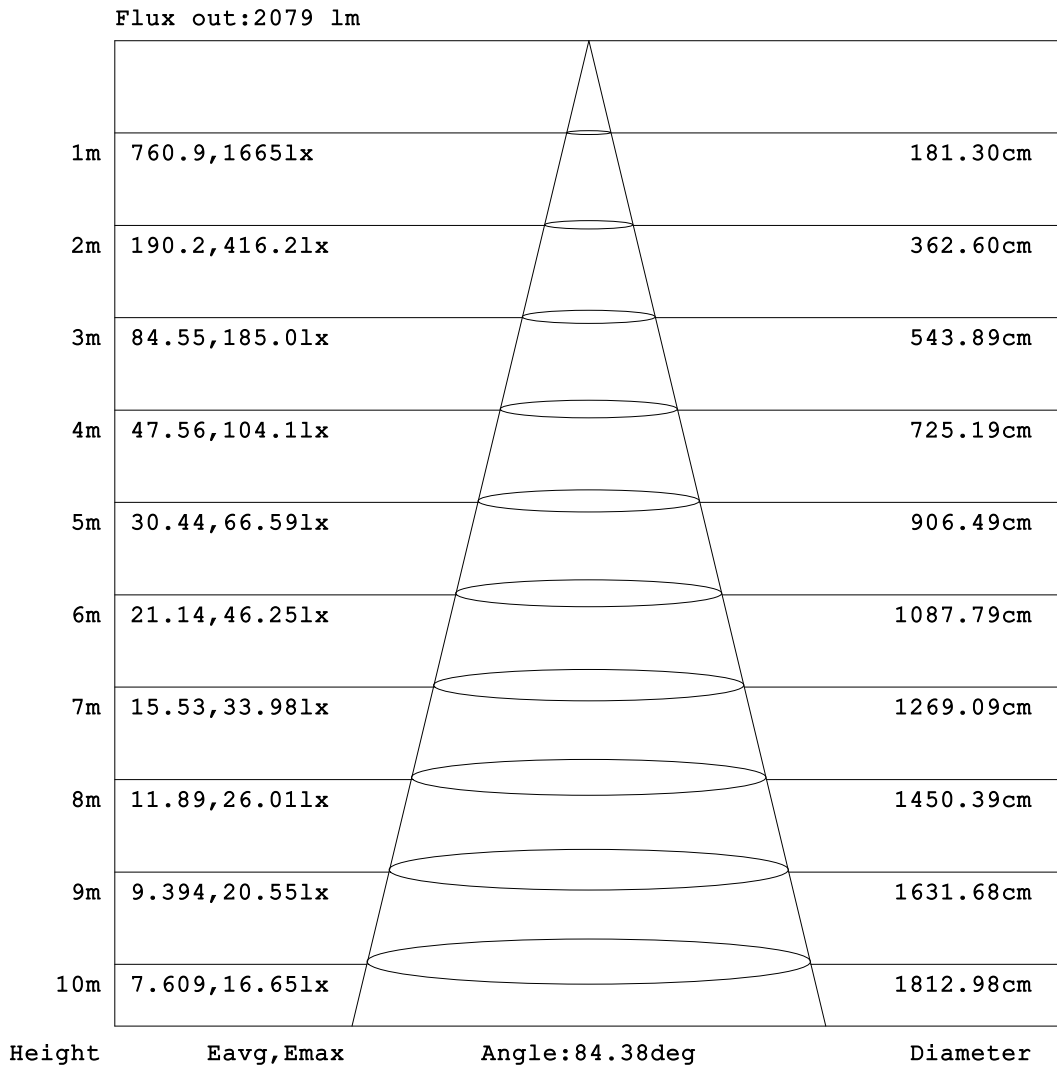
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:



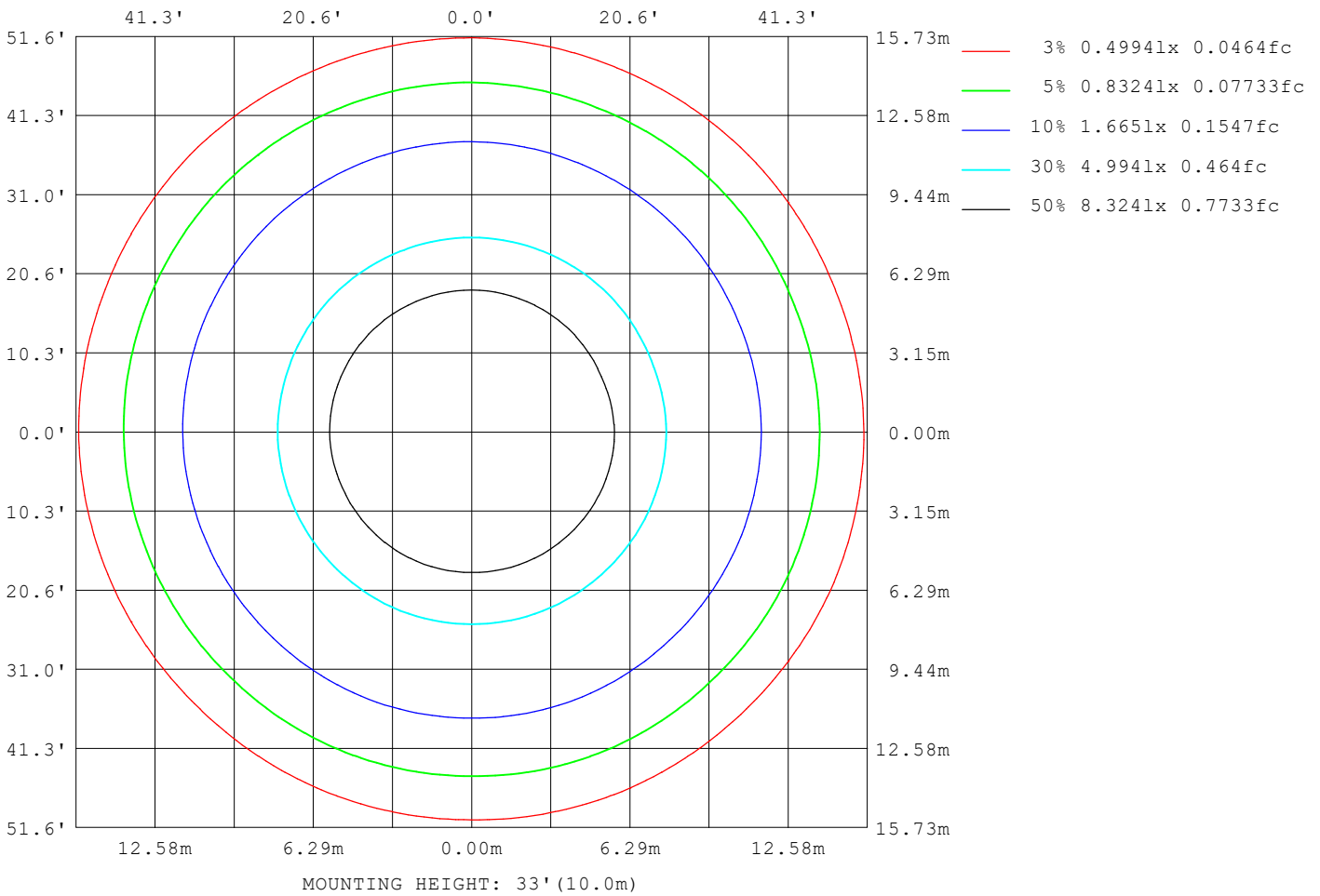
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-06-29

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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

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:119.39V I:0.2021A P:23.883W PF:0.9897 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3033.82x1 lm		
NAME: DL254-6-30W-M-A5C5-HO	TYPE: 26W	WEIGHT:
SPEC.: 5000K	DIM.: 0.21	SERIAL No.: 1
MFR.: Lotus LED Lights	SUR.: 0.15	Shielding Angle:

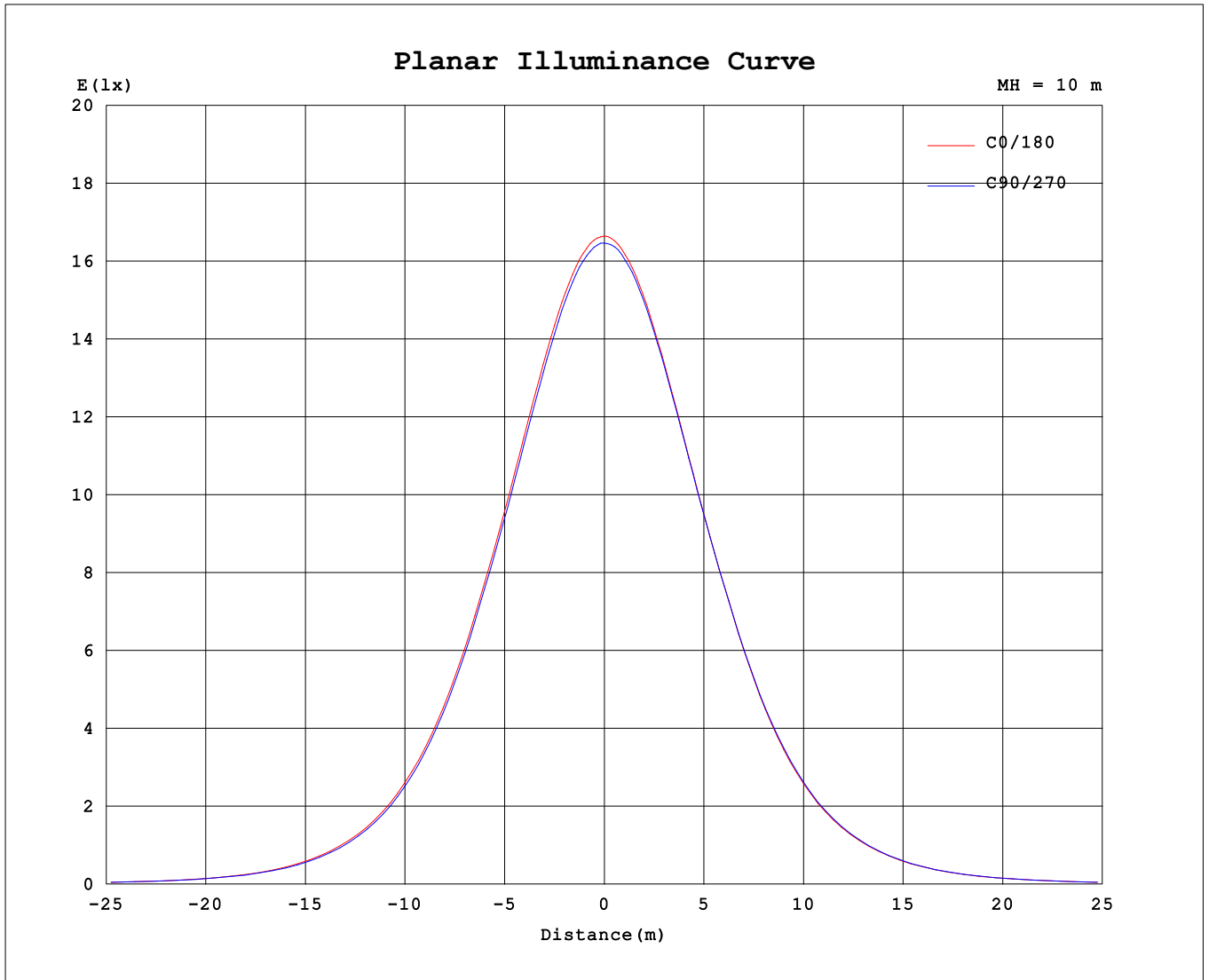
AvgL	cd/m2
L_0~180 (65) av	19185
L_0~180 (75) av	13987
L_0~180 (85) av	10901
L_90~270 (65) av	18976
L_90~270 (75) av	13997
L_90~270 (85) av	8311
L_45 (65) av	19048
L_45 (75) av	14013
L_45 (85) av	9670

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-06-29

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: 2023-06-29

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:

