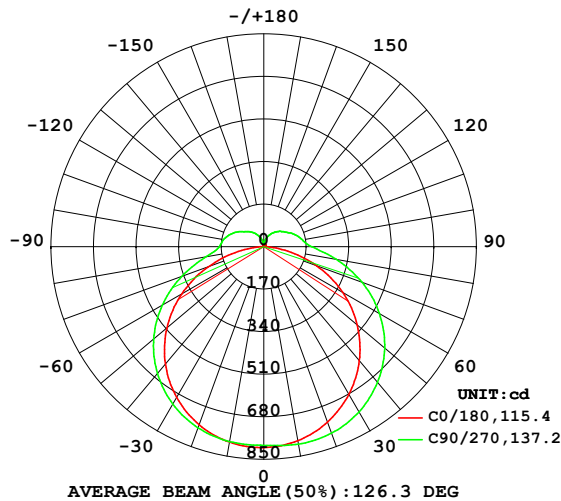


LUMINAIRE PHOTOMETRIC TEST REPORT

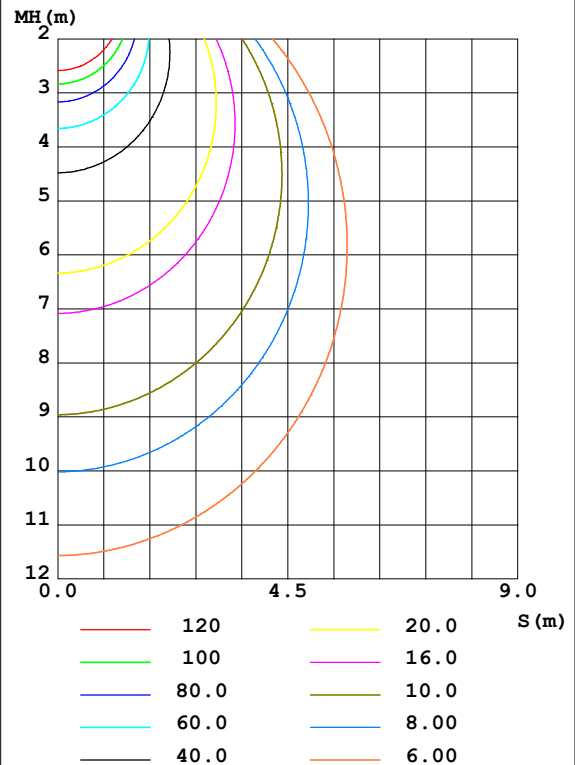
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.47 lm/W			
MODEL	106660	Imax(cd)	803.1	S/MH(C0/180)	1.29
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	1.36
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3109.7	□ UP,DN(C0-180)	6.0,45.0
NOMINAL FLUX(lm)	3109.69	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.0,43.0
LAMPS INSIDE	1	□ up(%)	12.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down(%)	87.9	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

	C0	C90	C180	C270					°	□ zone	□ total	%lum, lamp
10	786.9	801.1	792.9	790.6					0- 10	75.99	75.99	2.44,2.44
20	745.8	792.9	757.1	770.2					10- 20	221.2	297.1	9.56,9.56
30	680.9	762.0	696.4	726.9					20- 30	343.4	640.5	20.6,20.6
40	594.2	707.5	611.7	661.1					30- 40	427.5	1068	34.3,34.3
50	487.7	630.9	505.4	574.4					40- 50	462.3	1530	49.2,49.2
60	363.4	533.4	379.1	468.8					50- 60	442.5	1973	63.4,63.4
70	225.6	418.0	235.5	349.1					60- 70	369.1	2342	75.3,75.3
80	86.16	293.6	91.08	233.9					70- 80	253.9	2596	83.5,83.5
90	3.344	191.7	2.627	177.7					80- 90	138.5	2734	87.9,87.9
100	4.254	157.2	3.002	163.9					90-100	94.87	2829	91,91
110	5.632	137.1	4.027	144.2					100-110	82.07	2911	93.6,93.6
120	6.962	112.7	5.171	119.5					110-120	66.81	2978	95.8,95.8
130	8.207	95.07	6.407	94.20					120-130	50.13	3028	97.4,97.4
140	9.257	78.19	7.691	76.30					130-140	36.48	3065	98.6,98.6
150	10.04	59.83	8.835	56.98					140-150	24.27	3089	99.3,99.3
160	10.60	40.72	9.813	36.87					150-160	13.66	3103	99.8,99.8
170	10.92	22.54	10.56	18.34					160-170	5.768	3108	100,100
180	10.95	11.00	11.00	10.90					170-180	1.256	3110	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

0 - 45 DEG Zonal Flux:1298.1 %lum: 41.7%

0 - 60 DEG Zonal Flux:1972.8 %lum: 63.4%

@35% Iavg: 9.3%

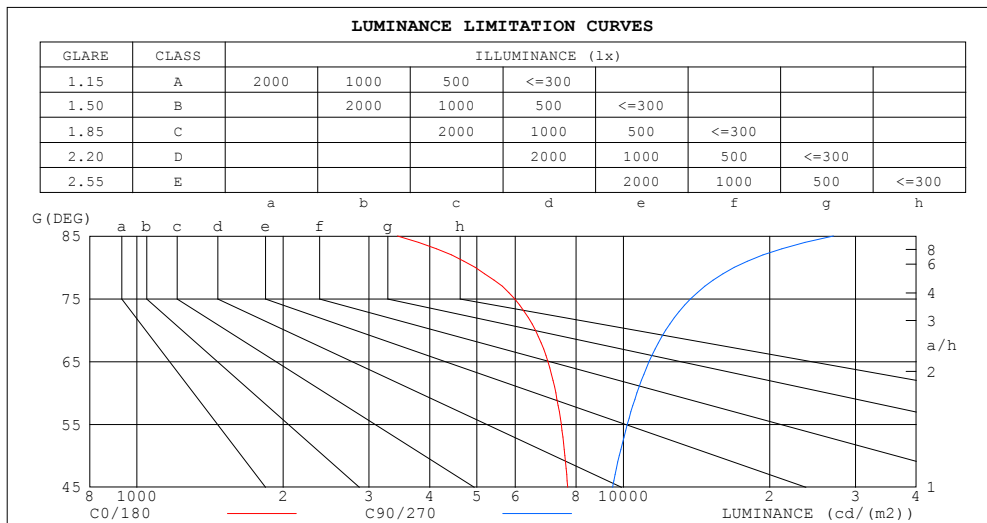
@50% Iavg: 17.4%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.710m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



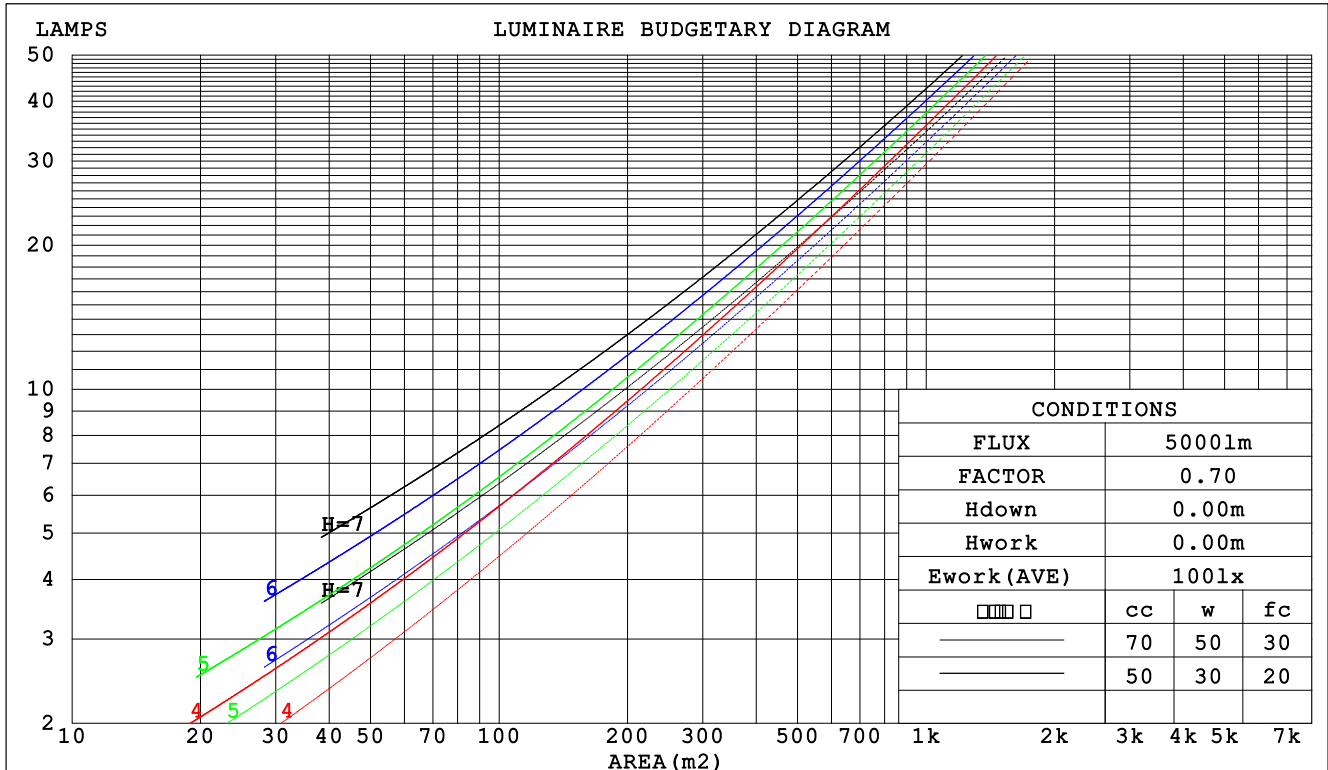
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.710m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.88
1.0	.99	.94	.90	.96	.91	.87	.89	.86	.82	.83	.80	.78	.78	.75	.73	.70
2.0	.85	.78	.72	.82	.76	.70	.77	.71	.67	.72	.67	.63	.67	.63	.60	.57
3.0	.74	.66	.59	.72	.64	.58	.67	.60	.55	.63	.57	.52	.59	.54	.50	.47
4.0	.65	.56	.49	.63	.55	.48	.59	.52	.46	.55	.49	.44	.52	.47	.43	.40
5.0	.58	.49	.42	.56	.48	.41	.53	.45	.40	.50	.43	.38	.46	.41	.37	.34
6.0	.52	.43	.36	.51	.42	.36	.47	.40	.34	.45	.38	.33	.42	.36	.32	.30
7.0	.47	.38	.32	.46	.37	.31	.43	.36	.30	.41	.34	.29	.38	.33	.28	.26
8.0	.43	.34	.28	.42	.33	.28	.39	.32	.27	.37	.31	.26	.35	.29	.25	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.27	.23	.21
10.0	.36	.28	.23	.35	.27	.22	.33	.26	.22	.32	.25	.21	.30	.24	.20	.19



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

WEC AND CCEC

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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 Wall Exitance Coefficients(WEC)					
0.0						
1.0	.347 .197 .062	.336 .192 .061	.316 .181 .058	.297 .171 .055	.280 .162 .052	
2.0	.313 .171 .053	.303 .167 .051	.285 .158 .049	.268 .150 .047	.252 .143 .045	
3.0	.283 .151 .045	.275 .147 .044	.258 .140 .043	.243 .133 .041	.229 .127 .039	
4.0	.258 .134 .039	.250 .131 .039	.235 .125 .037	.222 .119 .036	.209 .114 .035	
5.0	.237 .121 .035	.229 .118 .034	.216 .113 .033	.204 .107 .032	.192 .103 .031	
6.0	.218 .109 .031	.212 .107 .031	.199 .102 .030	.188 .098 .029	.177 .093 .028	
7.0	.202 .100 .028	.196 .098 .028	.185 .094 .027	.175 .090 .026	.165 .086 .025	
8.0	.188 .092 .026	.183 .090 .025	.172 .086 .025	.163 .083 .024	.154 .079 .023	
9.0	.176 .085 .024	.171 .083 .023	.161 .080 .023	.153 .077 .022	.144 .073 .021	
10.0	.165 .079 .022	.160 .077 .022	.152 .074 .021	.144 .071 .020	.136 .068 .020	

☐ 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 Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.282 .282 .282	.241 .241 .241	.165 .165 .165	.095 .095 .095	.030 .030 .030	
1.0	.276 .249 .224	.236 .213 .193	.161 .147 .133	.093 .085 .078	.030 .027 .025	
2.0	.268 .225 .189	.230 .194 .163	.158 .134 .114	.091 .078 .067	.029 .025 .022	
3.0	.261 .208 .166	.224 .180 .144	.154 .125 .101	.089 .073 .060	.028 .024 .020	
4.0	.253 .195 .151	.217 .169 .131	.149 .118 .093	.086 .069 .055	.028 .022 .018	
5.0	.246 .185 .141	.211 .160 .123	.145 .112 .087	.084 .066 .051	.027 .021 .017	
6.0	.239 .177 .133	.205 .154 .116	.141 .108 .082	.082 .063 .049	.026 .021 .016	
7.0	.232 .171 .128	.199 .148 .111	.138 .104 .079	.080 .061 .047	.026 .020 .016	
8.0	.225 .165 .124	.194 .143 .108	.134 .100 .077	.078 .059 .046	.025 .019 .015	
9.0	.219 .160 .120	.189 .139 .105	.131 .098 .075	.076 .058 .044	.025 .019 .015	
10.0	.213 .156 .118	.184 .135 .103	.128 .095 .073	.074 .056 .044	.024 .019 .014	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME:	TYPE:LED					WEIGHT:				
SPEC.:	DIM.:					SERIAL No.:				
MFR.:	SUR.:					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	15.2	16.7	15.7	17.1	17.5	16.6	18.0	17.1	18.4	18.9
3H	16.8	18.1	17.2	18.5	19.0	18.9	20.2	19.3	20.6	21.1
4H	17.4	18.6	17.8	19.1	19.6	20.0	21.2	20.5	21.7	22.2
6H	17.7	18.9	18.2	19.4	19.9	21.2	22.4	21.7	22.8	23.4
8H	17.8	18.9	18.3	19.4	20.0	21.8	22.9	22.3	23.4	24.0
12H	17.9	18.9	18.4	19.4	20.0	22.5	23.6	23.0	24.1	24.6
4H 2H	16.1	17.4	16.6	17.8	18.3	17.2	18.4	17.6	18.9	19.4
3H	17.9	19.0	18.4	19.5	20.0	19.6	20.7	20.1	21.2	21.7
4H	18.6	19.6	19.2	20.1	20.7	20.9	21.9	21.4	22.4	23.0
6H	19.1	20.0	19.7	20.6	21.2	22.2	23.1	22.8	23.7	24.3
8H	19.3	20.1	19.9	20.7	21.3	23.0	23.8	23.6	24.4	25.0
12H	19.4	20.1	20.0	20.7	21.4	23.8	24.5	24.4	25.1	25.8
8H 4H	19.2	20.0	19.8	20.6	21.2	21.1	21.9	21.7	22.5	23.2
6H	20.0	20.7	20.6	21.3	22.0	22.7	23.4	23.3	24.0	24.7
8H	20.3	20.9	20.9	21.5	22.2	23.6	24.2	24.2	24.8	25.5
12H	20.5	21.0	21.1	21.7	22.4	24.6	25.2	25.3	25.8	26.5
12H 4H	19.3	20.1	19.9	20.7	21.3	21.1	21.9	21.7	22.5	23.1
6H	20.2	20.9	20.9	21.5	22.2	22.8	23.4	23.4	24.0	24.7
8H	20.6	21.2	21.3	21.8	22.5	23.7	24.3	24.4	24.9	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117, 3110 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.9$)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

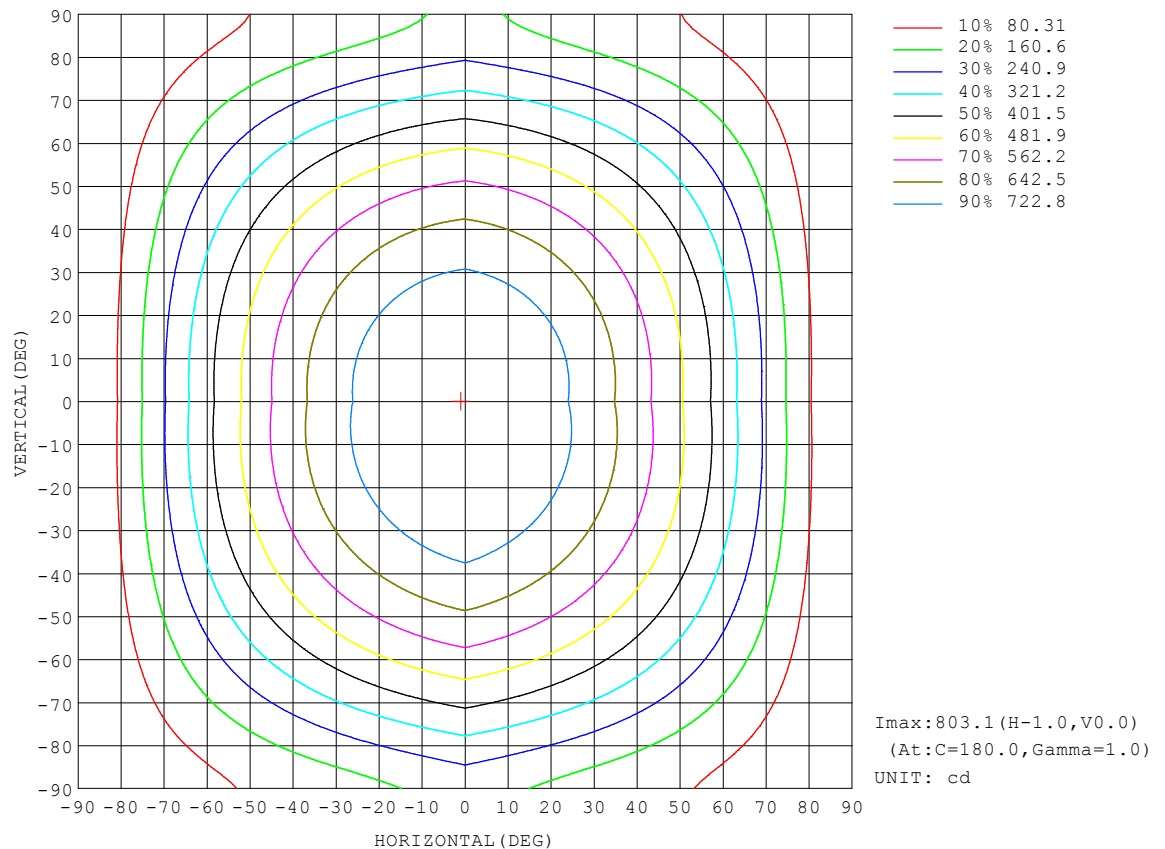
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Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

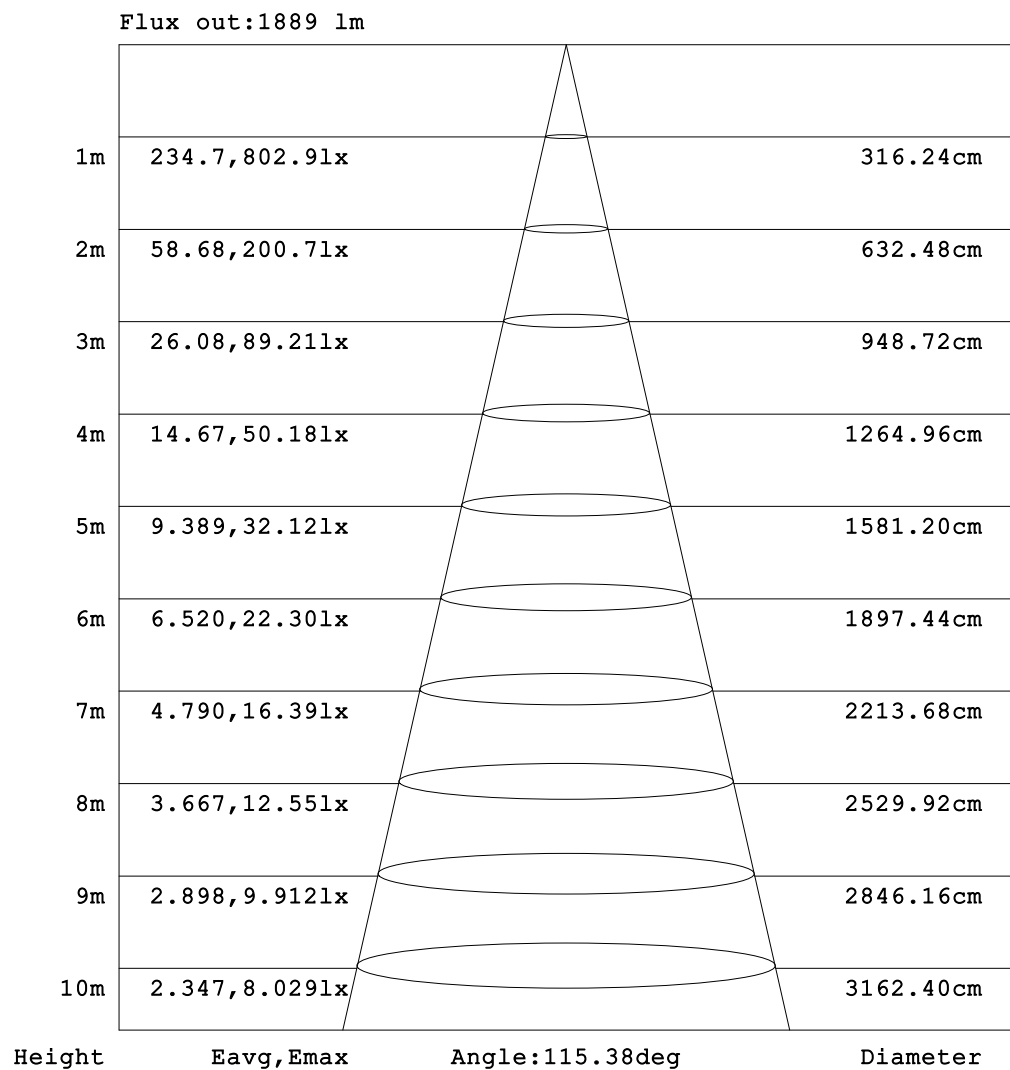


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

AAI Figure

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



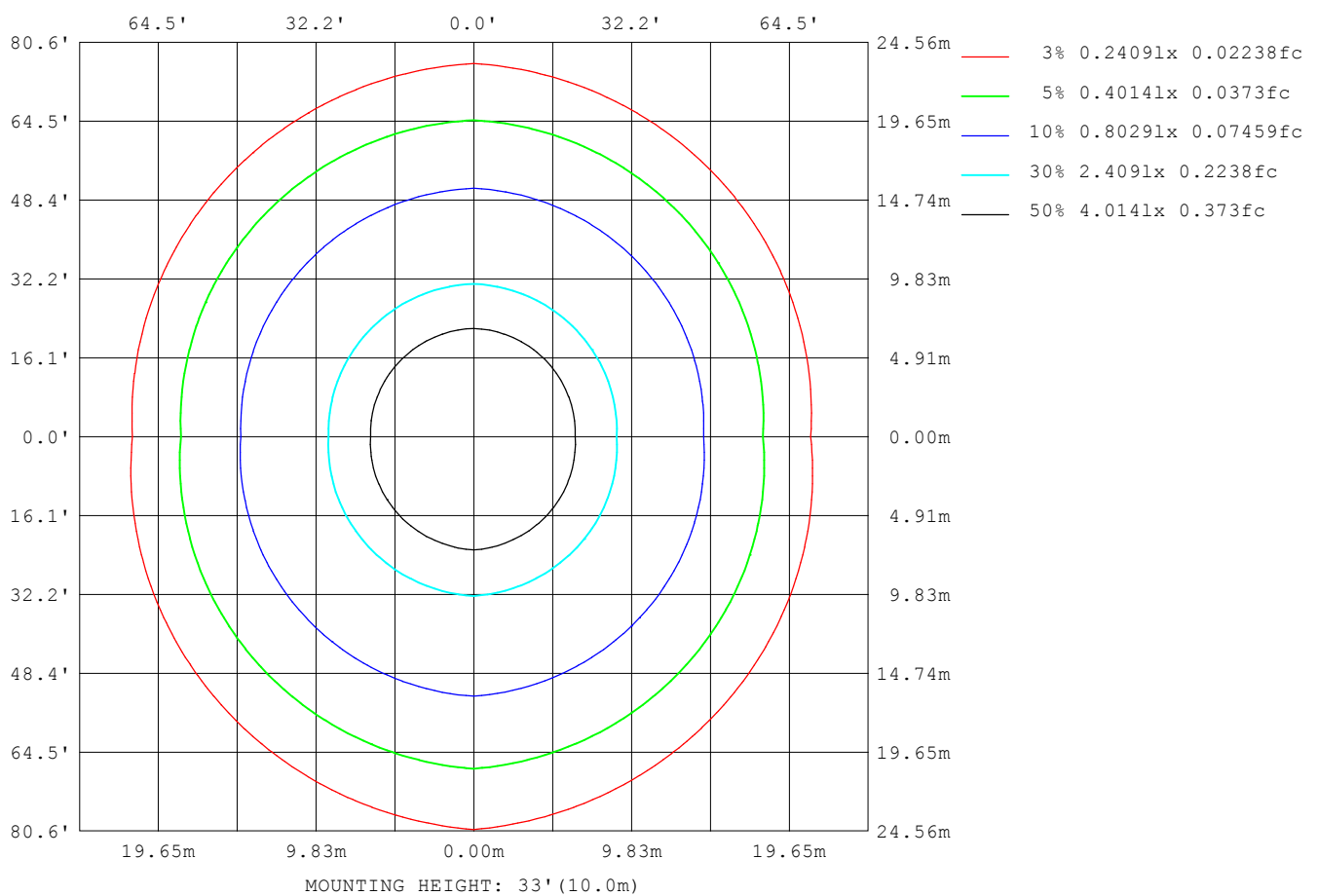
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.710m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.710m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

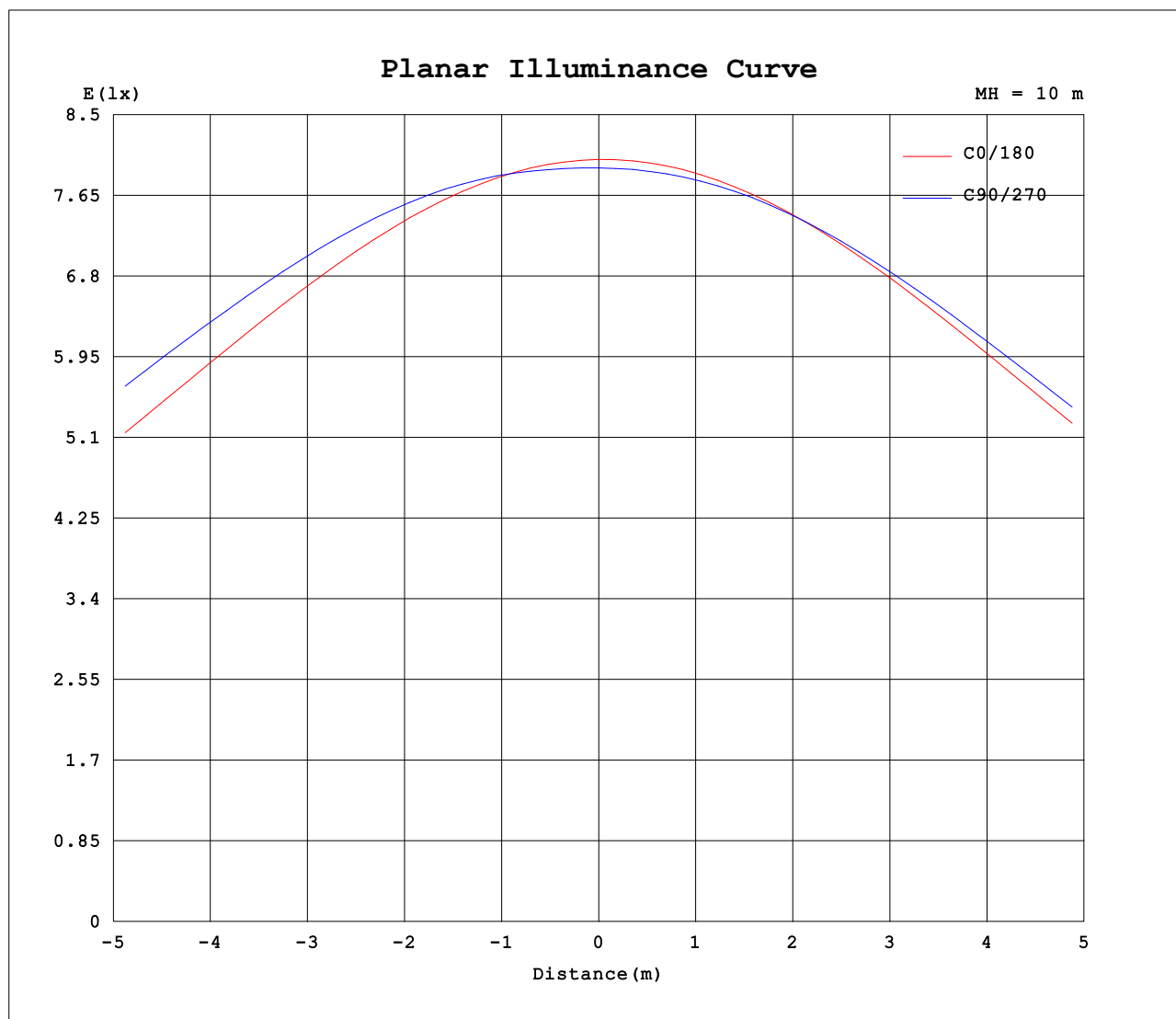
AvgL	cd/m2
L_0~180 (65) av	7162
L_0~180 (75) av	6109
L_0~180 (85) av	3535
L_90~270 (65) av	10502
L_90~270 (75) av	12445
L_90~270 (85) av	24717
L_45 (65) av	9260
L_45 (75) av	10077
L_45 (85) av	16780

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-17

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.710m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	90	180	270															
0	803	794	803	794															
5	798	798	801	793															
10	787	801	793	791															
15	769	800	778	783															
20	746	793	757	770															
25	716	780	730	751															
30	681	762	696	727															
35	640	738	657	697															
40	594	708	612	661															
45	543	672	561	620															
50	488	631	505	574															
55	428	585	445	524															
60	363	533	379	469															
65	296	478	310	410															
70	226	418	235	349															
75	155	356	162	288															
80	86.2	294	91.1	234															
85	29.9	236	31.7	195															
90	3.34	192	2.63	178															
95	3.61	169	2.58	171															
100	4.25	157	3.00	164															
105	4.94	147	3.47	155															
110	5.63	137	4.03	144															
115	6.30	126	4.58	133															
120	6.96	113	5.17	120															
125	7.60	103	5.77	106															
130	8.21	95.1	6.41	94.2															
135	8.77	86.8	7.05	85.4															
140	9.26	78.2	7.69	76.3															
145	9.68	69.2	8.29	66.8															
150	10.0	59.8	8.83	57.0															
155	10.4	50.3	9.35	46.9															
160	10.6	40.7	9.81	36.9															
165	10.8	31.4	10.2	26.7															
170	10.9	22.5	10.6	18.3															
175	11.0	13.1	10.8	11.8															
180	10.9	11.0	11.0	10.9															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-17

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.710m [K=1.0000]
Remarks: