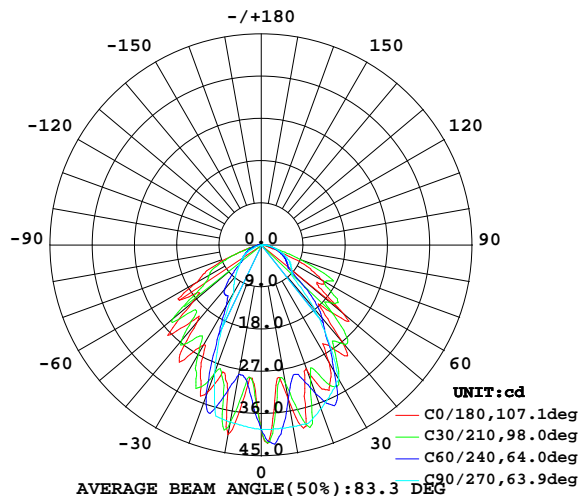


LUMINAIRE PHOTOMETRIC TEST REPORT

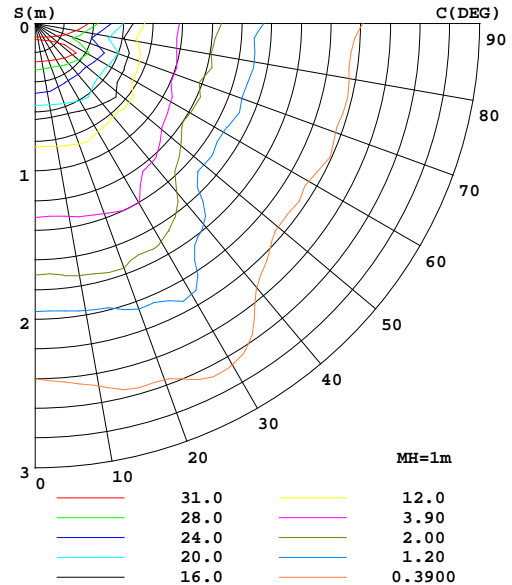
NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.73 lm/W
MODEL	LUMENS	Imax(cd)	42.86	S/MH(C0/180)	1.13	
NOMINAL POWER(W)	4	LOR(%)	20.4	S/MH(C90/270)	1.11	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	73.540	h UP,DN(C0-180)	0.0,11.3	
NOMINAL FLUX(lm)	360	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,9.2	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	120.4	h down(%)	20.4	CIBSE SHR MAX	1.15	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LZM
Test Date:2016-06-23

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	33.33	38.68	39.35	29.02	28.37	28.81	38.86	38.24	0- 5	0.8741	0.8741	1.19,0.24
10	33.25	28.56	39.34	34.67	41.12	33.93	38.34	28.28	5- 10	2.405	3.279	4.46,0.91
15	36.83	35.60	39.32	39.46	29.58	38.20	37.82	34.92	10- 15	4.149	7.427	10.1,2.06
20	28.14	39.11	37.23	29.99	33.36	29.09	29.15	36.93	15- 20	5.371	12.80	17.4,3.56
25	34.23	29.55	35.14	30.28	30.97	26.51	20.48	25.90	20- 25	6.359	19.16	26.1,5.32
30	28.92	31.02	33.05	32.33	24.57	25.46	11.82	24.66	25- 30	6.966	26.12	35.5,7.26
35	27.20	31.53	25.13	27.56	30.61	20.70	10.21	23.73	30- 35	7.087	33.21	45.2,9.23
40	26.68	25.94	17.22	22.80	21.14	18.98	8.604	20.83	35- 40	7.359	40.57	55.2,11.3
45	18.77	18.96	9.299	19.85	26.77	17.41	6.998	17.01	40- 45	6.694	47.26	64.3,13.1
50	23.08	14.07	8.519	14.04	19.06	12.42	5.989	12.45	45- 50	6.103	53.37	72.6,14.8
55	14.60	7.466	7.738	8.949	19.86	6.397	4.979	5.906	50- 55	5.199	58.57	79.6,16.3
60	15.09	7.423	6.958	7.914	15.82	5.589	3.970	5.648	55- 60	4.741	63.31	86.1,17.6
65	10.80	6.025	5.724	5.973	12.42	4.479	2.652	4.492	60- 65	4.193	67.50	91.8,18.7
70	3.517	3.933	4.491	3.881	5.753	3.223	1.335	3.132	65- 70	2.957	70.46	95.8,19.6
75	1.637	2.538	3.258	2.549	2.593	1.847	0.0173	1.736	70- 75	1.606	72.06	98.20
80	0.8280	1.249	2.236	1.282	1.104	0.6327	0.0116	0.5133	75- 80	0.8452	72.91	99.1,20.3
85	0.1530	0.7261	1.215	0.6635	0.5295	0.3053	0.0058	0.2480	80- 85	0.4515	73.36	99.8,20.4
90	0	0.2379	0.1931	0.0817	0	0.0000	0	0.0000	85- 90	0.1798	73.54	100,20.4
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

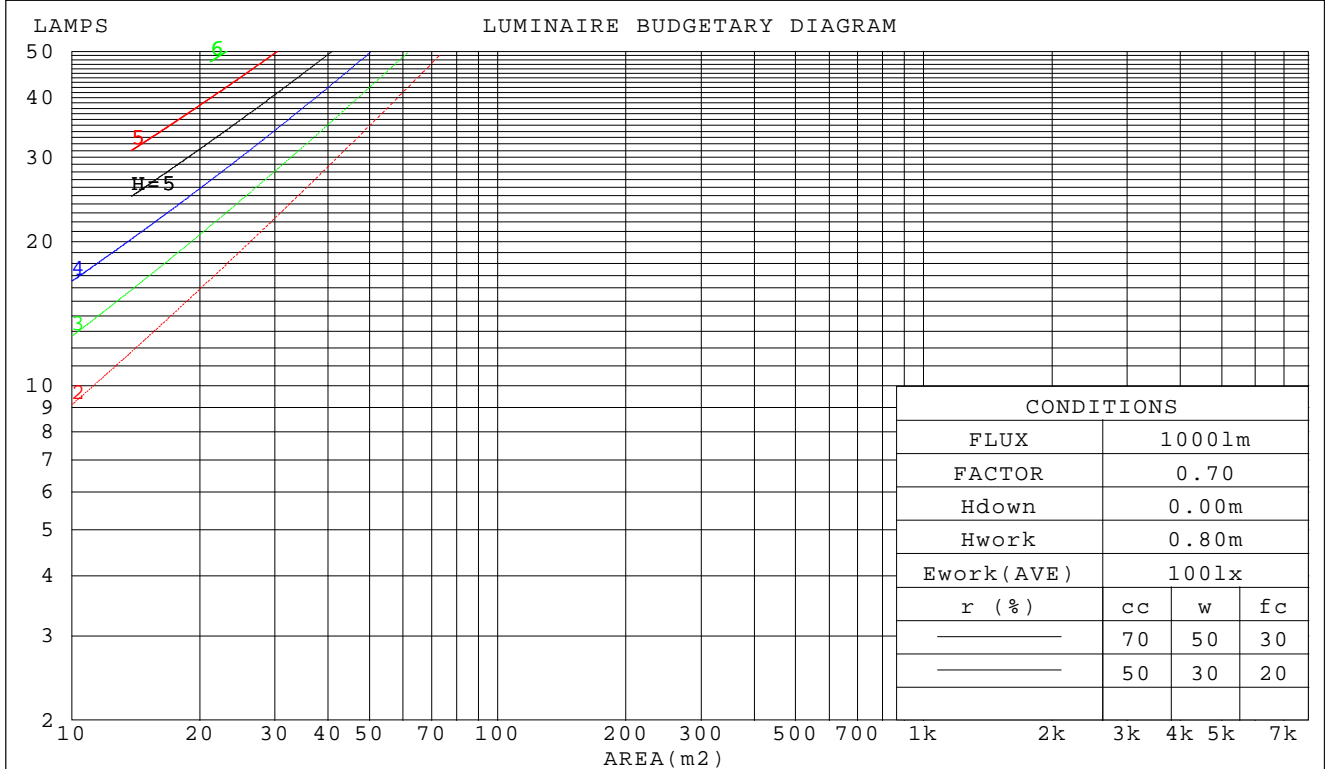
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:LZM
 Test Date:2016-06-23

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:6.172m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 30DEG
 Operators: LZM
 Test Date: 2016-06-23

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity: 65.0%
 Test Distance: 6.172m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.054 .031 .010	.053 .030 .010	.050 .029 .009	.048 .028 .009	.046 .026 .009	
2.0	.052 .029 .009	.051 .028 .009	.049 .027 .008	.047 .026 .008	.045 .025 .008	
3.0	.049 .026 .008	.048 .026 .008	.046 .025 .008	.044 .024 .007	.042 .023 .007	
4.0	.046 .024 .007	.045 .024 .007	.043 .023 .007	.042 .022 .007	.040 .022 .007	
5.0	.043 .022 .006	.042 .022 .006	.041 .021 .006	.039 .021 .006	.038 .020 .006	
6.0	.040 .020 .006	.039 .020 .006	.038 .020 .006	.037 .019 .006	.035 .019 .006	
7.0	.038 .019 .005	.037 .018 .005	.036 .018 .005	.035 .018 .005	.033 .017 .005	
8.0	.035 .017 .005	.035 .017 .005	.034 .017 .005	.033 .017 .005	.032 .016 .005	
9.0	.033 .016 .005	.033 .016 .004	.032 .016 .004	.031 .015 .004	.030 .015 .004	
10.0	.032 .015 .004	.031 .015 .004	.030 .015 .004	.029 .015 .004	.028 .014 .004	

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.039 .039 .039	.033 .033 .033	.023 .023 .023	.013 .013 .013	.004 .004 .004	
1.0	.036 .032 .028	.031 .027 .024	.021 .019 .017	.012 .011 .010	.004 .004 .003	
2.0	.034 .027 .021	.029 .023 .018	.020 .016 .013	.012 .009 .007	.004 .003 .002	
3.0	.032 .023 .016	.028 .020 .014	.019 .014 .010	.011 .008 .006	.004 .003 .002	
4.0	.031 .021 .013	.026 .018 .011	.018 .012 .008	.011 .007 .005	.003 .002 .002	
5.0	.029 .018 .010	.025 .016 .009	.017 .011 .006	.010 .007 .004	.003 .002 .001	
6.0	.028 .017 .008	.024 .014 .007	.017 .010 .005	.010 .006 .003	.003 .002 .001	
7.0	.027 .015 .007	.023 .013 .006	.016 .009 .004	.009 .005 .003	.003 .002 .001	
8.0	.025 .014 .006	.022 .012 .005	.015 .009 .004	.009 .005 .002	.003 .002 .001	
9.0	.024 .013 .005	.021 .011 .005	.014 .008 .003	.008 .005 .002	.003 .002 .001	
10.0	.023 .012 .005	.020 .010 .004	.014 .007 .003	.008 .004 .002	.003 .001 .001	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:LZM
 Test Date:2016-06-23

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:6.172m [K=1.0000]
 Remarks:

Uncorrected UGR Table

NAME: E41386						TYPE:					WEIGHT:			
DIM.:						SPEC.:					SERIAL No.:160623001			
MFR.: Maxim Lighting International Inc						SUR.:					PROTECTION 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	14.0	15.4	14.3	15.6	15.8	8.9	10.3	9.2	10.5	10.7				
3H	14.9	16.1	15.2	16.4	16.6	10.2	11.4	10.5	11.7	11.9				
4H	14.9	16.1	15.2	16.3	16.6	10.7	11.9	11.0	12.2	12.4				
6H	14.8	15.9	15.1	16.2	16.5	11.2	12.3	11.5	12.6	12.9				
8H	14.8	15.9	15.1	16.2	16.4	11.4	12.5	11.8	12.8	13.1				
12H	14.7	15.8	15.1	16.1	16.4	11.6	12.7	12.0	13.0	13.3				
4H 2H	14.2	15.4	14.5	15.6	15.9	10.0	11.2	10.3	11.5	11.7				
3H	15.3	16.3	15.6	16.6	16.9	11.3	12.3	11.6	12.6	12.9				
4H	15.3	16.3	15.7	16.6	16.9	11.8	12.8	12.2	13.1	13.4				
6H	15.3	16.2	15.7	16.5	16.9	12.4	13.3	12.8	13.6	14.0				
8H	15.3	16.1	15.7	16.5	16.9	12.7	13.5	13.1	13.8	14.2				
12H	15.3	16.0	15.7	16.4	16.8	12.9	13.7	13.4	14.0	14.4				
8H 4H	15.3	16.1	15.7	16.5	16.9	12.1	12.9	12.5	13.3	13.7				
6H	15.4	16.0	15.8	16.4	16.9	12.8	13.5	13.3	13.9	14.3				
8H	15.4	16.0	15.9	16.4	16.9	13.2	13.8	13.7	14.2	14.7				
12H	15.4	15.9	15.9	16.4	16.8	13.6	14.1	14.1	14.5	15.0				
12H 4H	15.3	16.0	15.7	16.4	16.8	12.1	12.8	12.5	13.2	13.6				
6H	15.4	16.0	15.8	16.4	16.8	12.9	13.4	13.3	13.9	14.3				
8H	15.4	15.9	15.9	16.4	16.8	13.3	13.8	13.8	14.2	14.7				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.8 / - 0.9					+ 0.5 / - 0.5								
1.5H	+ 0.6 / - 1.1					+ 0.6 / - 0.4								
2.0H	+ 2.5 / - 3.4					+ 0.7 / - 0.6								

CIE Pub.117 Corrected 360.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.5)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:LZM
 Test Date:2016-06-23

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:6.172m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

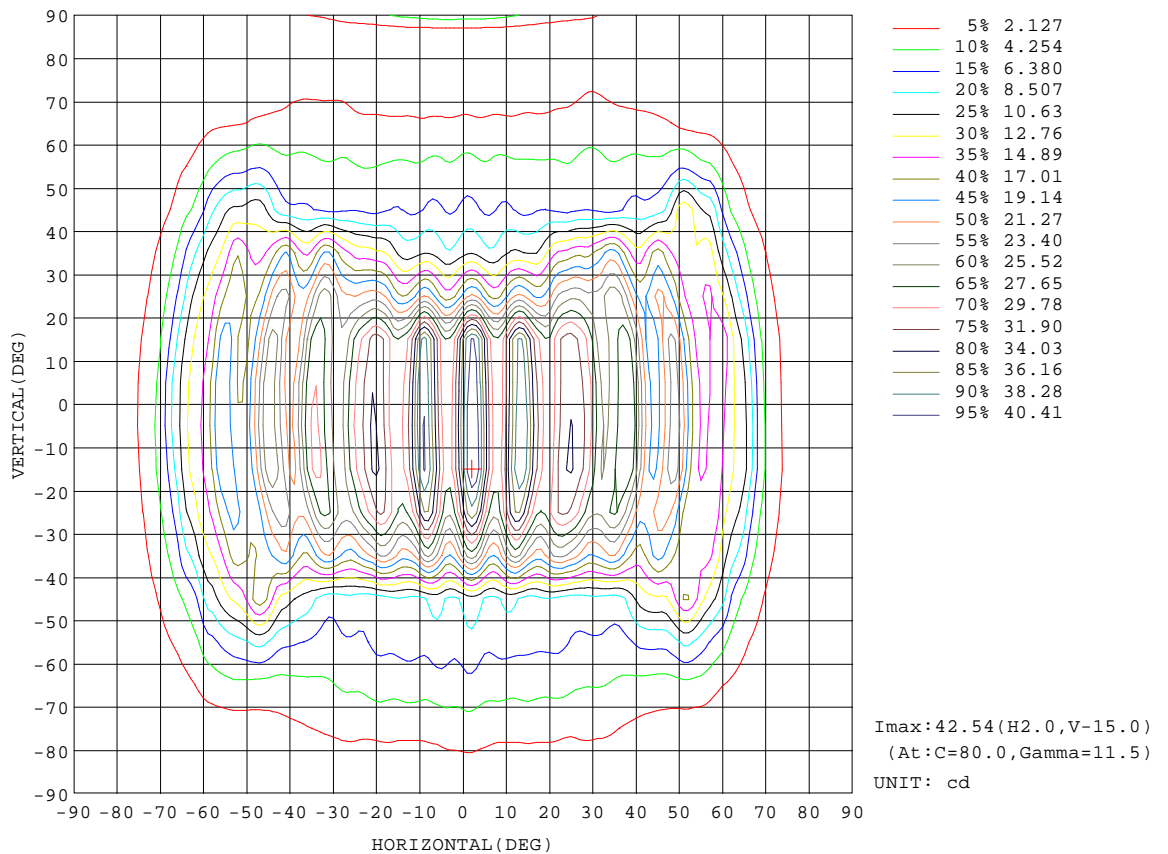
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	13	11	10	13	11	10	13	11	10	8
0.80	15	13	12	15	13	12	14	13	11	10
1.00	17	15	13	16	15	13	16	15	13	12
1.25	18	16	15	18	16	15	17	16	15	13
1.50	19	17	16	19	17	16	18	17	16	14
2.00	20	19	18	20	18	17	19	18	17	16
2.50	21	19	18	20	19	18	20	19	18	16
3.00	21	20	19	21	20	19	20	19	19	17
4.00	22	21	20	22	21	20	21	20	20	18
5.00	23	22	21	22	21	21	21	21	20	18
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:LZM
 Test Date:2016-06-23

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:6.172m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

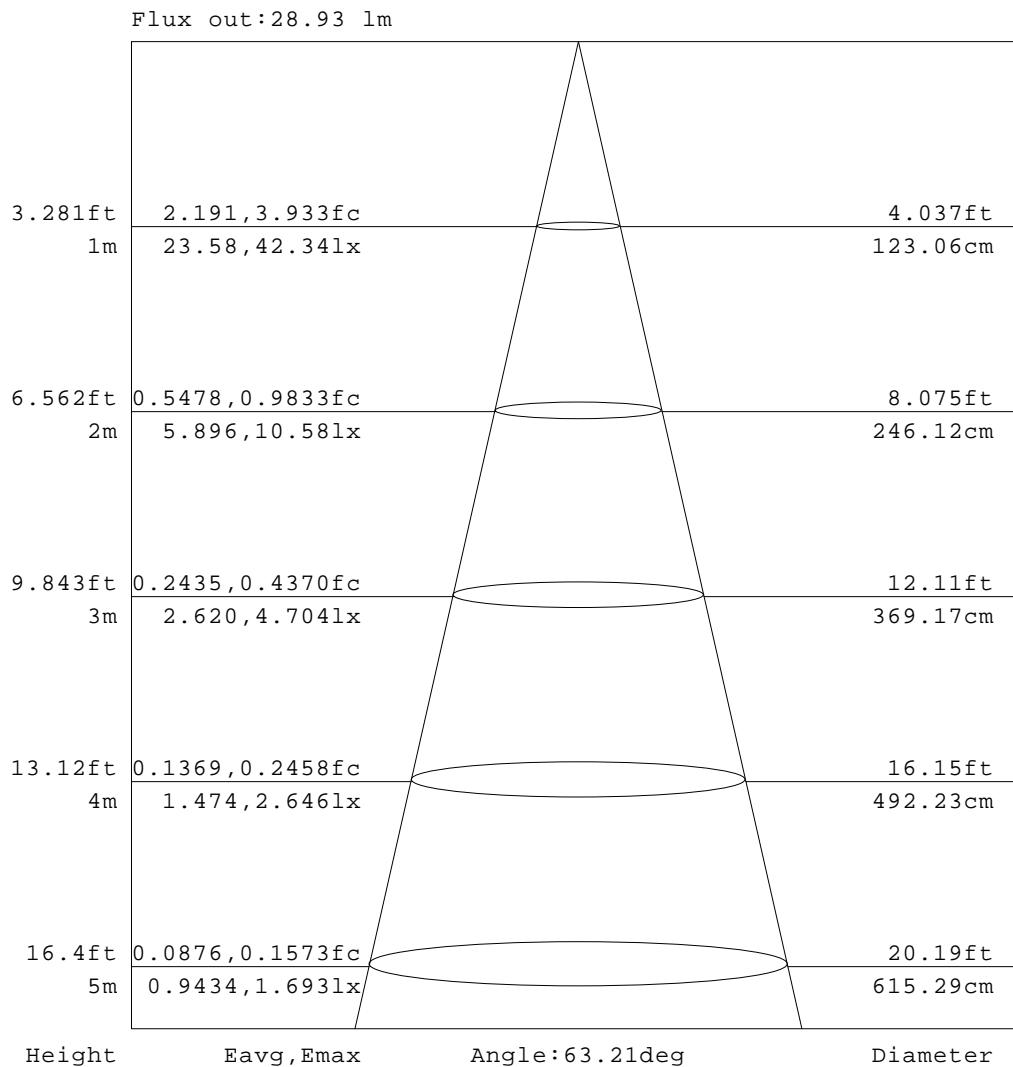


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LZM
Test Date:2016-06-23

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

AAI Figure

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:



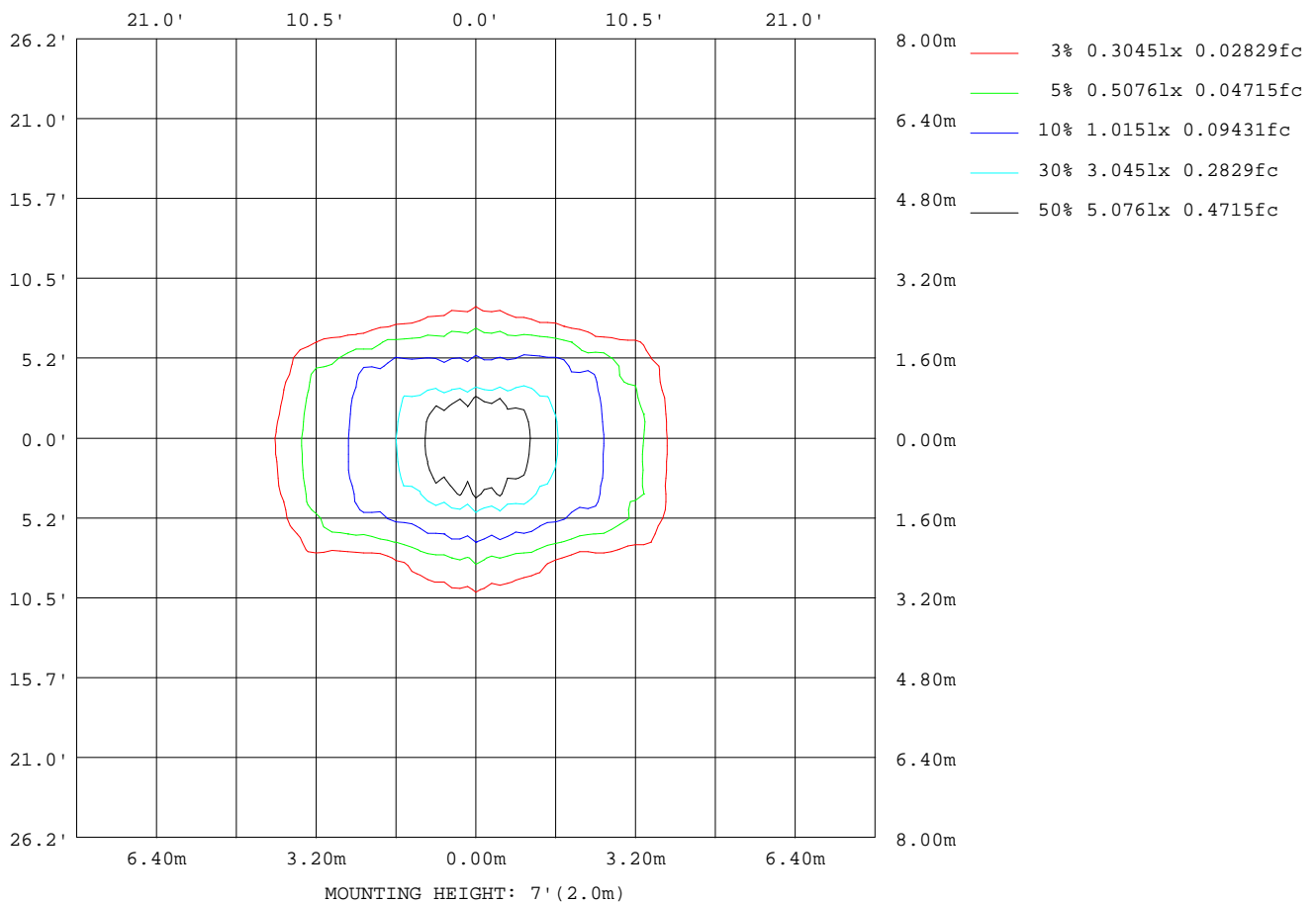
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LZM
Test Date:2016-06-23

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

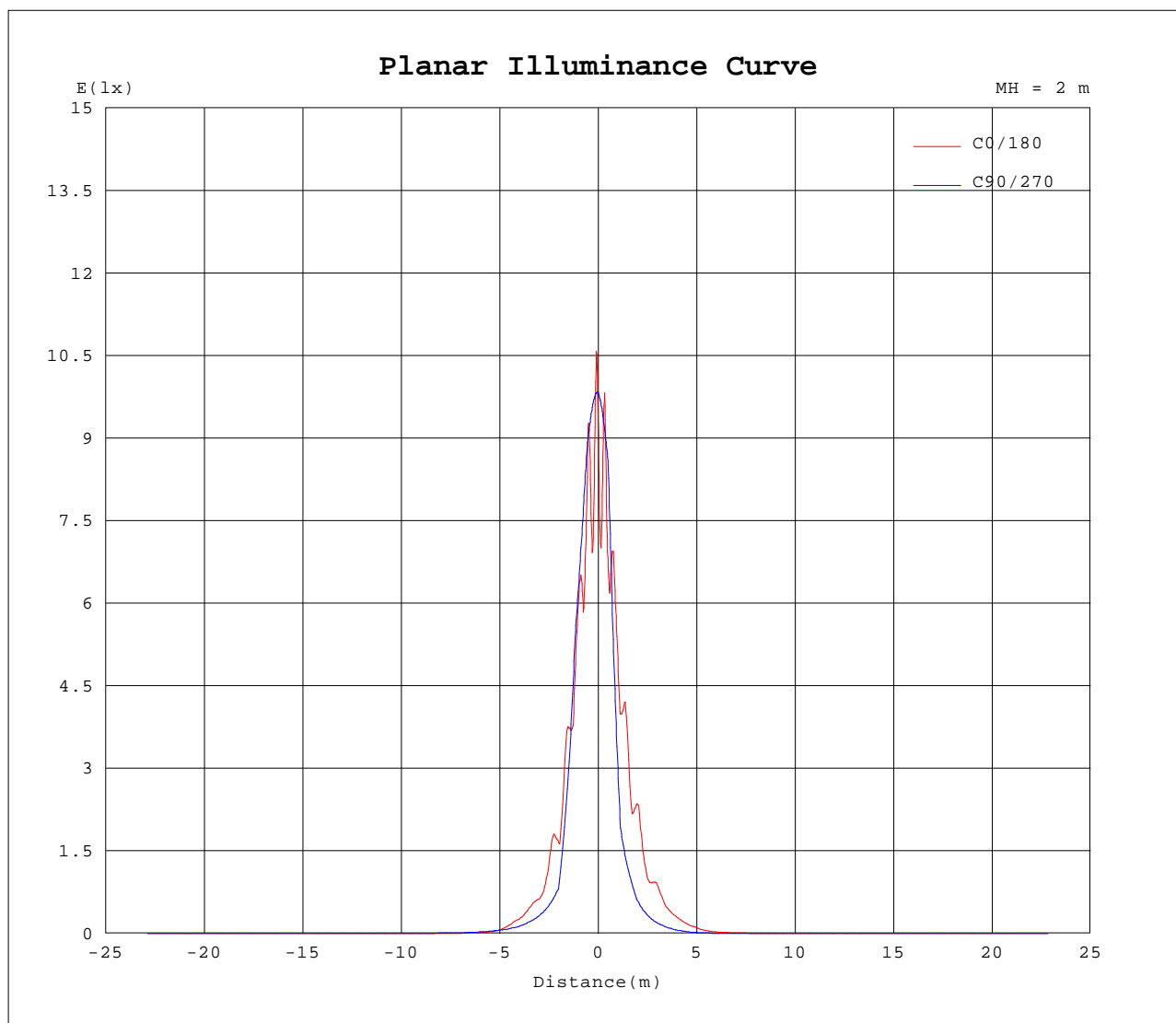
NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LZM
Test Date: 2016-06-23

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 6.172m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LZM
Test Date: 2016-06-23

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 6.172m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LZM
Test Date: 2016-06-23

```
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LZM
Test Date: 2016-06-23

```
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LZM
Test Date: 2016-06-23

```
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:
```

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41386	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:160623001
MFR.: Maxim Lighting International Inc	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LZM
Test Date: 2016-06-23

```
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:
```