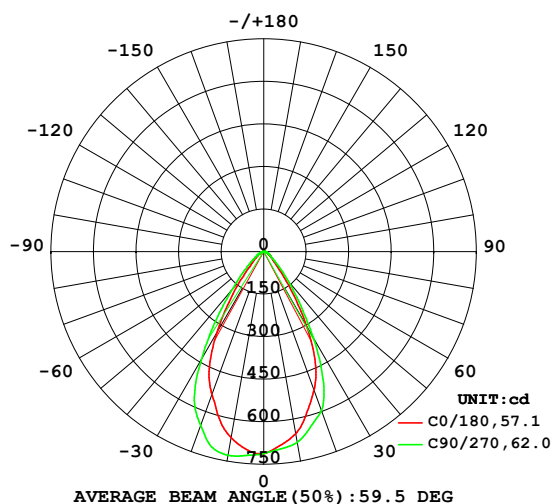


LUMINAIRE PHOTOMETRIC TEST REPORT

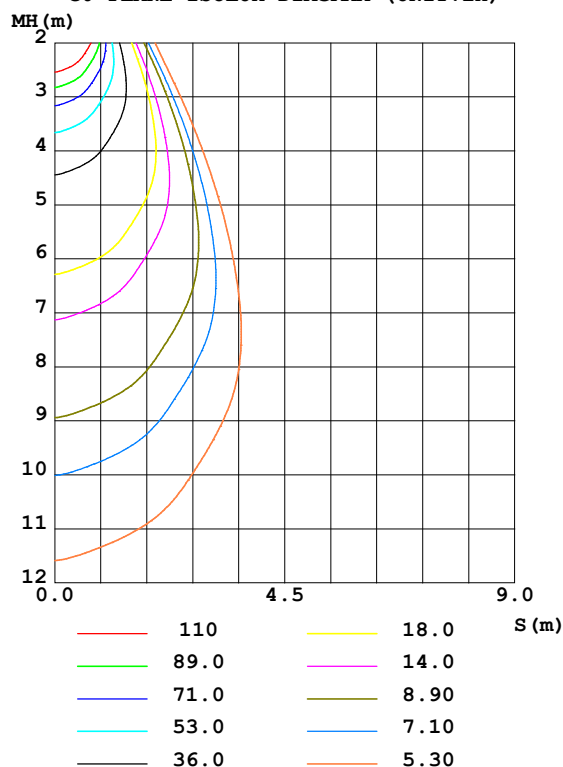
Test:U:230.01V I:0.0504A P:6.5127W PF:0.5618 Freq:49.99Hz Lamp Flux:732.569x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:M650ST-W1NNN-12		DIM.:		SERIAL No.:A2117694A001	
MFR.: EVERFINE		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 112.48 lm/W
MODEL		Imax(cd)	732.0	S/MH(C0/180)	0.87	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.96	
RATED VOLTAGE(V)		TOTAL FLUX(lm)	732.57	η UP,DN(C0-180)	0.0,47.0	
NOMINAL FLUX(lm)	732.569	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,53.0	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)		η down(%)	100.0	CIBSE SHR MAX	0.95	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CWQ
Test Date:2021-12-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
Humidity:44%
Test Distance:3.123m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	651.8	680.8	682.9	660.4	665.8	722.2	728.9	689.9	0- 10	66.48	66.48	9.07,9.07
20	519.5	572.2	596.5	534.5	534.9	643.2	651.7	581.4	10- 20	180.2	246.7	33.7,33.7
30	301.0	352.1	350.2	320.4	332.6	430.3	442.0	364.0	20- 30	221.3	467.9	63.9,63.9
40	95.42	123.2	134.1	108.1	112.2	155.1	169.5	130.2	30- 40	143.8	611.7	83.5,83.5
50	38.26	50.51	48.40	44.67	43.21	62.75	61.19	50.38	40- 50	61.98	673.7	92,92
60	20.41	22.74	23.22	21.86	23.19	28.36	27.92	24.51	50- 60	31.25	704.9	96.2,96.2
70	10.51	11.12	11.24	11.16	12.04	14.09	14.35	12.35	60- 70	17.27	722.2	98.6,98.6
80	3.549	4.050	4.057	3.972	4.389	5.211	5.222	4.758	70- 80	8.395	730.6	99.7,99.7
90	0	0	0	0	0	0.4196	0.4192	0	80- 90	1.973	732.6	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): 648.57 lm

%lum = 88.5%

%lamp = 88.5%

Conical surface Flux(120deg): 704.93 lm

%lum = 96.2%

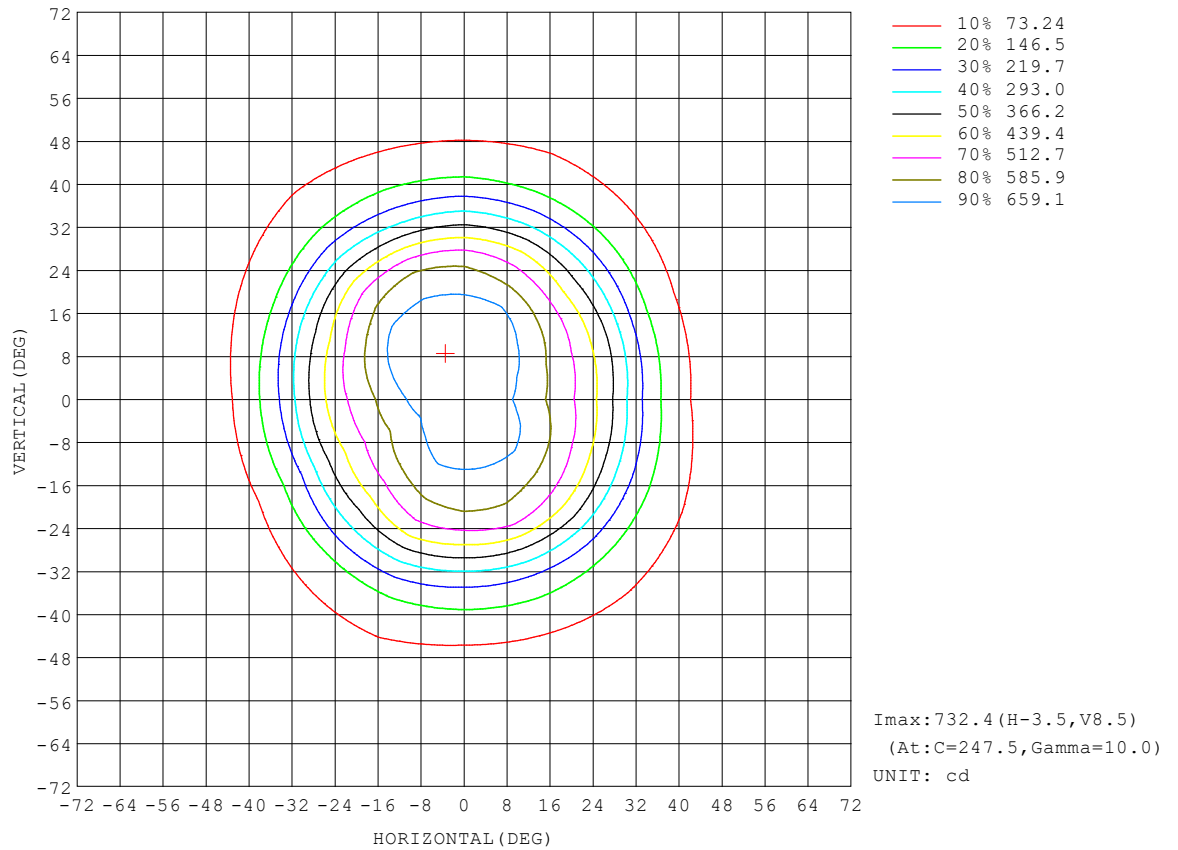
%lamp = 96.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CWQ
 Test Date:2021-12-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:44%
 Test Distance:3.123m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.01V I:0.0504A P:6.5127W PF:0.5618 Freq:49.99Hz Lamp Flux:732.569x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:M650ST-W1NNN-12	DIM.:	SERIAL No.:A2117694A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

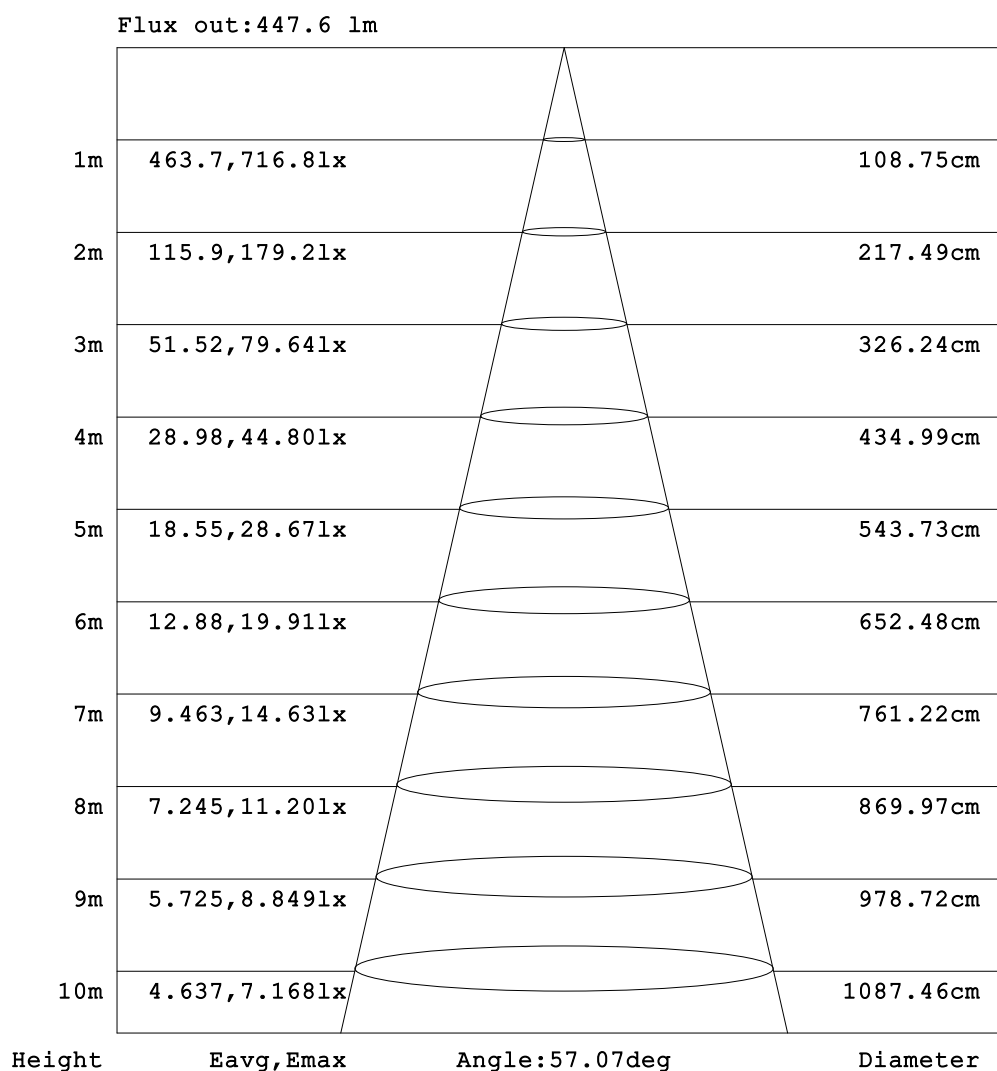


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CWQ
Test Date:2021-12-30

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
Humidity:44%
Test Distance:3.123m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.01V I:0.0504A P:6.5127W PF:0.5618 Freq:49.99Hz Lamp Flux:732.569x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:M650ST-W1NNN-12	DIM.:	SERIAL No.:A2117694A001
MFR.: EVERFINE	SUR.:	Shielding Angle:



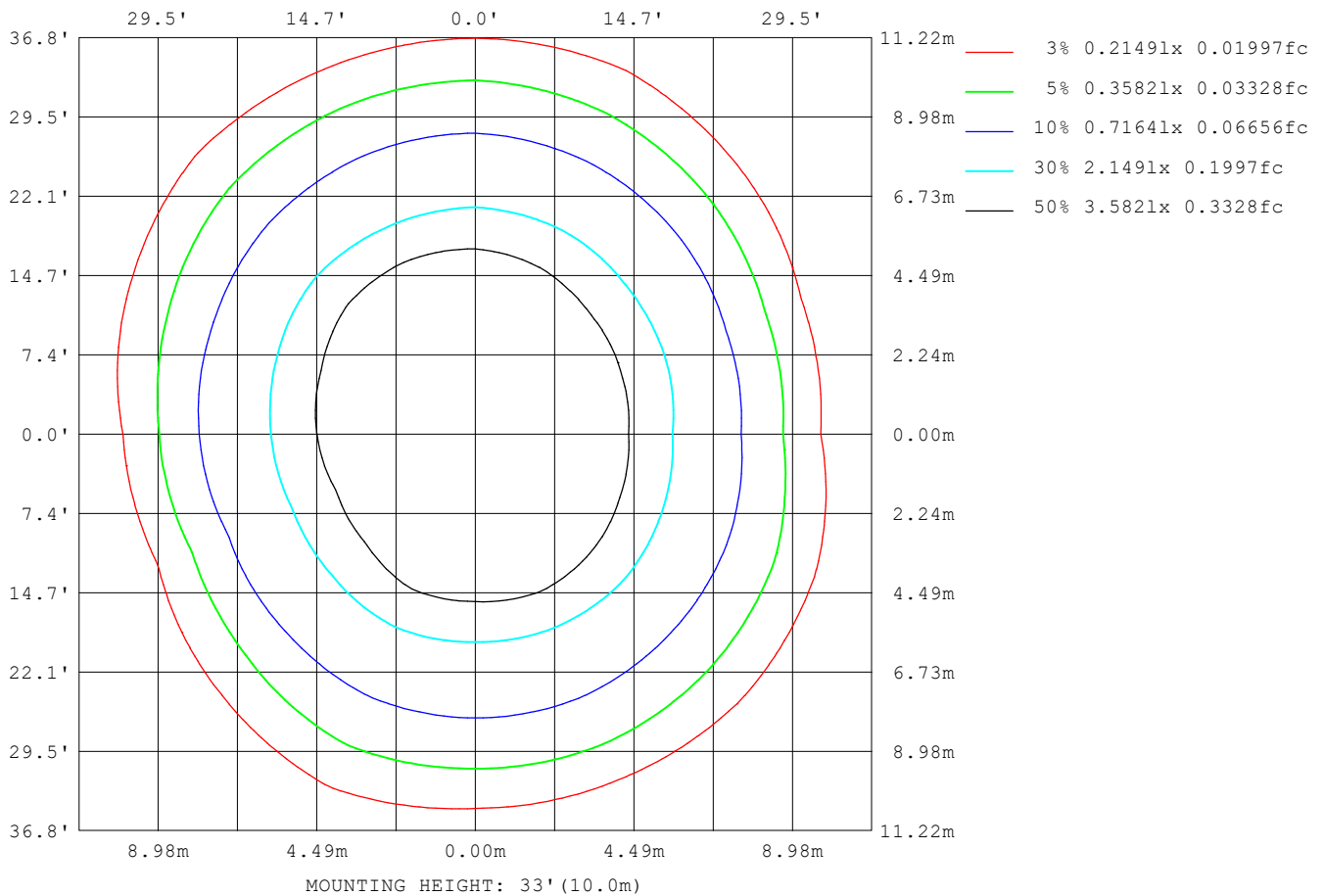
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CWQ
 Test Date:2021-12-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:44%
 Test Distance:3.123m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.01V I:0.0504A P:6.5127W PF:0.5618 Freq:49.99Hz Lamp Flux:732.569x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:M650ST-W1NNN-12	DIM.:	SERIAL No.:A2117694A001
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: CWQ
 Test Date: 2021-12-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity: 44%
 Test Distance: 3.123m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.01V I:0.0504A P:6.5127W PF:0.5618 Freq:49.99Hz Lamp Flux:732.569x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:M650ST-W1NNN-12	DIM.:	SERIAL No.:A2117694A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

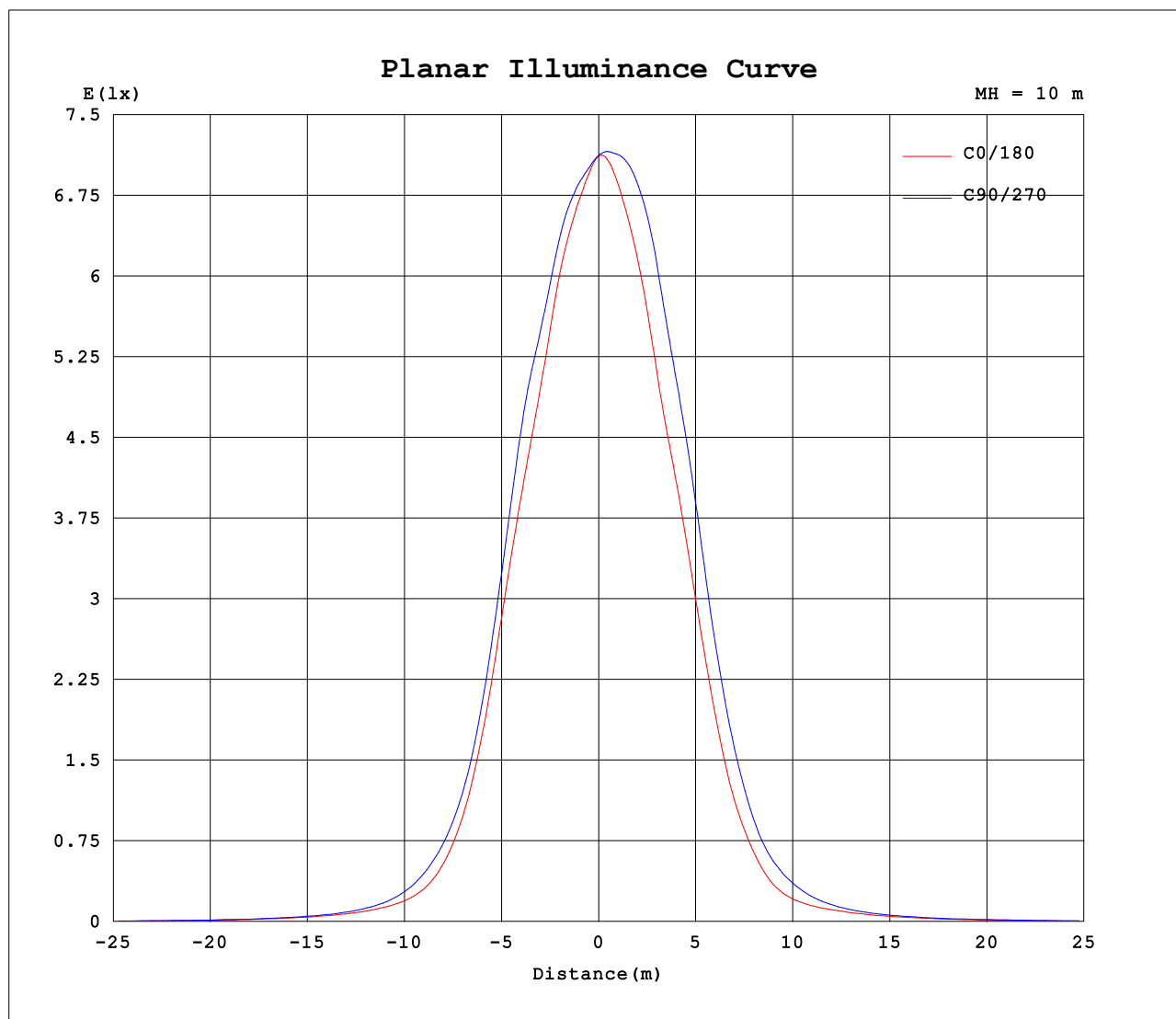
AvgL	cd/m2
L_0~180 (65) av	7461
L_0~180 (75) av	5631
L_0~180 (85) av	4093
L_90~270 (65) av	8584
L_90~270 (75) av	6372
L_90~270 (85) av	4588
L_45 (65) av	8178
L_45 (75) av	6118
L_45 (85) av	4077

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CWQ
 Test Date:2021-12-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:44%
 Test Distance:3.123m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: CWQ
Test Date: 2021-12-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
Humidity: 44%
Test Distance: 3.123m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.01V I:0.0504A P:6.5127W PF:0.5618 Freq:49.99Hz Lamp Flux:732.569x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:M650ST-W1NNN-12	DIM.:	SERIAL No.:A2117694A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CWQ
Test Date:2021-12-30

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γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
Humidity:44%
Test Distance:3.123m [K=1.0000]
Remarks:

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