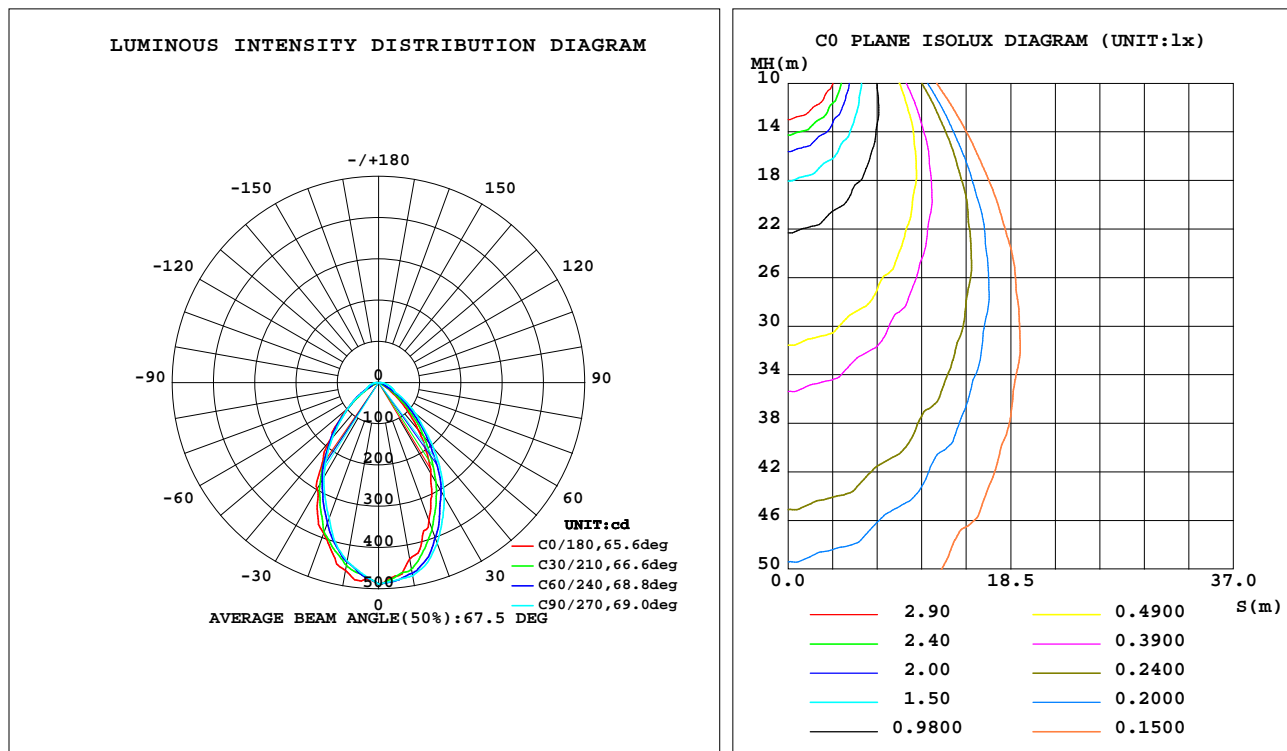


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2015090906
MFR.:	SUR.: 0.007	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	488.4	S/MH(C0/180)	0.99
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	649.01	h UP,DN(C0-180)	0.0,52.5
NOMINAL FLUX(lm)	649.009	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,47.5
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)		h down(%)	100.0	CIBSE SHR MAX	1.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: 黄亚州
Test Date: 2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity: 60.0%
Test Distance: 13.450m [K=1.0000]
Remarks: 5

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	470.7	477.5	481.0	482.4	482.5	466.3	464.4	464.5	0- 5	11.42	11.42	1.76,1.76
10	434.1	460.7	475.5	471.3	462.3	441.4	439.6	430.5	5- 10	33.14	44.55	6.86,6.86
15	403.3	436.7	452.8	447.2	429.9	408.9	403.0	393.9	10- 15	51.93	96.48	14.9,14.9
20	357.9	394.2	414.9	409.8	389.2	368.7	350.3	347.3	15- 20	66.00	162.5	25,25
25	305.0	340.3	366.8	358.8	350.4	323.0	307.9	297.4	20- 25	74.60	237.1	36.5,36.5
30	253.9	286.4	318.8	309.0	298.0	275.8	265.4	240.9	25- 30	77.27	314.4	48.4,48.4
35	199.8	234.0	263.1	261.0	238.2	225.4	219.8	197.0	30- 35	75.17	389.5	60,60
40	150.0	184.8	207.5	202.5	186.1	174.4	174.2	145.9	35- 40	68.15	457.7	70.5,70.5
45	103.5	137.4	153.9	152.9	142.7	134.8	130.1	108.6	40- 45	57.67	515.3	79.4,79.4
50	66.21	91.19	116.8	103.5	100.6	97.61	97.77	71.57	45- 50	45.27	560.6	86.4,86.4
55	35.31	53.40	81.86	66.21	63.10	60.74	66.88	41.56	50- 55	32.83	593.4	91.4,91.4
60	16.61	30.28	46.88	40.29	32.65	39.12	35.99	27.27	55- 60	21.06	614.5	94.7,94.7
65	8.375	14.06	39.32	18.98	15.45	20.77	30.39	15.08	60- 65	12.06	626.6	96.5,96.5
70	4.613	5.627	31.77	8.936	8.007	10.98	24.78	8.885	65- 70	7.972	634.5	97.8,97.8
75	1.616	4.027	24.22	6.422	5.648	8.459	19.17	6.941	70- 75	5.905	640.4	98.7,98.7
80	0.0023	2.603	16.66	4.445	3.620	6.306	13.56	5.156	75- 80	4.294	644.7	99.3,99.3
85	0	1.361	9.109	2.646	2.199	4.266	7.951	3.455	80- 85	2.838	647.6	99.8,99.8
90	0	0.2327	1.555	0.9387	0.2442	2.322	2.342	1.797	85- 90	1.448	649.0	100,100
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		

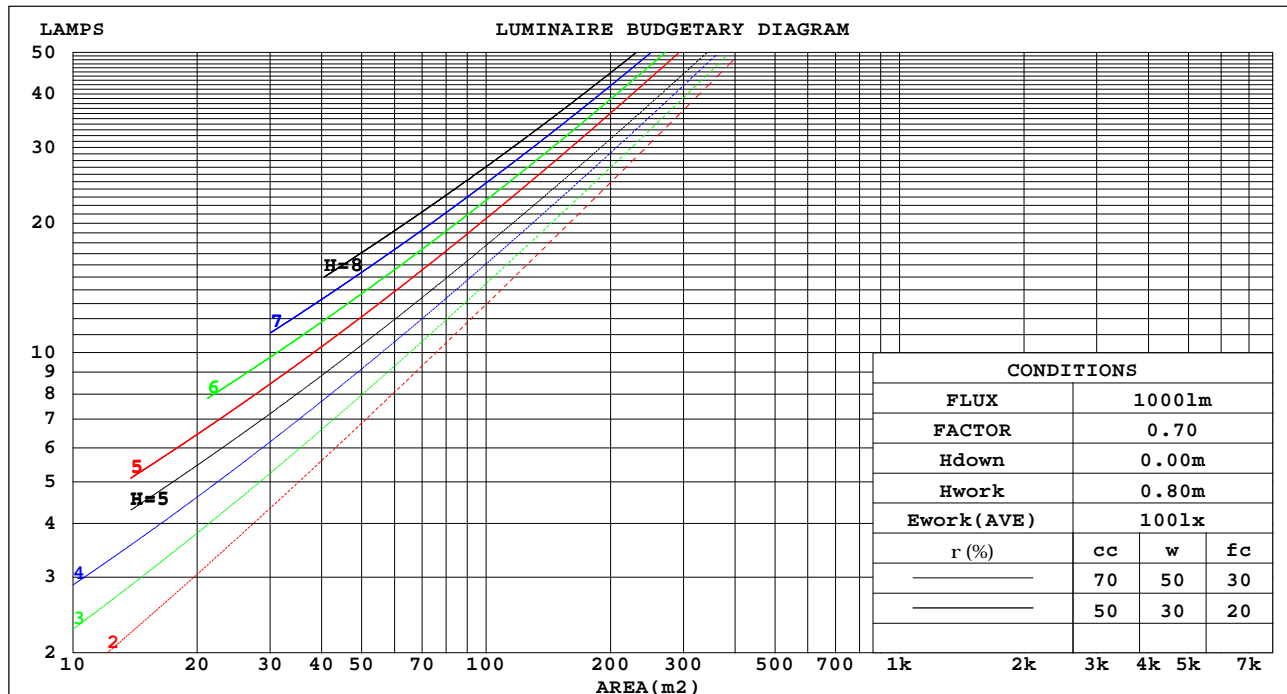
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:黄亚州
Test Date:2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity:60.0%
Test Distance:13.450m [K=1.0000]
Remarks: 5

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	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
rfe	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:黄亚州
Test Date:2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity:60.0%
Test Distance:13.450m [K=1.0000]
Remarks: 5

WEC AND CCEC

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	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	.225	.128	.041	.218	.124	.040	.205	.118	.038	.194	.112	.036	.183	.106	.034	
2.0	.216	.118	.036	.210	.116	.036	.199	.111	.034	.189	.106	.033	.180	.102	.032	
3.0	.205	.109	.033	.200	.107	.032	.190	.103	.031	.181	.099	.030	.173	.096	.030	
4.0	.194	.101	.030	.189	.099	.029	.181	.096	.029	.173	.093	.028	.166	.090	.027	
5.0	.183	.093	.027	.179	.092	.027	.172	.089	.026	.165	.087	.026	.158	.085	.025	
6.0	.173	.087	.025	.170	.086	.025	.163	.084	.024	.157	.081	.024	.151	.080	.024	
7.0	.164	.081	.023	.161	.080	.023	.155	.078	.023	.149	.077	.022	.144	.075	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.074	.021	.142	.072	.021	.138	.071	.021	
9.0	.147	.071	.020	.145	.071	.020	.140	.069	.020	.136	.068	.019	.132	.067	.019	
10.0	.140	.067	.019	.138	.067	.019	.134	.066	.018	.130	.064	.018	.126	.063	.018	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.132	.107	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.114	.084	.130	.098	.072	.089	.068	.051	.052	.040	.030	.017	.013	.010	
4.0	.143	.100	.067	.123	.086	.058	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.054	.116	.077	.047	.080	.054	.033	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.016	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.073	.044	.023	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.013	.007	.003	
10.0	.106	.057	.025	.092	.050	.022	.063	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:黄亚州
Test Date:2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity:60.0%
Test Distance:13.450m [K=1.0000]
Remarks: 5

UGR(Unified Glare Rating) Table

NAME: EU900					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:2015090906				
MFR.:					SUR.:0.007					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	19.7	20.9	20.0	21.1	21.3	21.9	23.1	22.2	23.3	23.5				
3H	19.6	20.7	19.9	20.9	21.1	22.4	23.5	22.7	23.7	23.9				
4H	19.5	20.5	19.8	20.8	21.0	22.7	23.8	23.0	24.0	24.2				
6H	19.4	20.4	19.7	20.6	20.9	23.1	24.1	23.4	24.3	24.6				
8H	19.4	20.3	19.7	20.6	20.8	23.3	24.2	23.6	24.5	24.8				
12H	19.3	20.2	19.6	20.5	20.8	23.4	24.3	23.8	24.6	24.9				
4H 2H	19.7	20.8	20.0	21.0	21.2	21.8	22.8	22.1	23.0	23.3				
3H	19.6	20.5	19.9	20.8	21.1	22.3	23.2	22.7	23.5	23.8				
4H	19.5	20.3	19.9	20.6	21.0	22.8	23.6	23.1	23.9	24.2				
6H	19.4	20.1	19.8	20.5	20.8	23.3	24.0	23.7	24.4	24.7				
8H	19.4	20.0	19.8	20.4	20.8	23.6	24.2	24.0	24.6	25.0				
12H	19.3	19.9	19.7	20.3	20.7	23.8	24.4	24.2	24.8	25.2				
8H 4H	19.5	20.1	19.9	20.5	20.9	22.7	23.3	23.1	23.7	24.1				
6H	19.4	19.9	19.8	20.3	20.7	23.3	23.8	23.7	24.2	24.6				
8H	19.3	19.8	19.8	20.2	20.7	23.6	24.1	24.1	24.5	25.0				
12H	19.3	19.7	19.8	20.1	20.6	24.0	24.4	24.4	24.8	25.3				
12H 4H	19.5	20.1	19.9	20.4	20.8	22.6	23.2	23.0	23.6	24.0				
6H	19.4	19.9	19.8	20.3	20.7	23.2	23.7	23.7	24.1	24.6				
8H	19.3	19.7	19.8	20.2	20.7	23.6	24.0	24.1	24.4	24.9				
Variations with the observer position at spacings:														
S = 1.0H	+ 2.0 / - 4.5					+ 0.7 / - 0.8								
1.5H	+ 1.6 / - 2.0					+ 1.0 / - 0.8								
2.0H	+ 3.4 / - 6.4					+ 2.2 / - 2.4								

CIE Pub.117 Corrected 649.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.5)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:黄亚州
Test Date:2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity:60.0%
Test Distance:13.450m [K=1.0000]
Remarks: 5

UTILIZATION FACTORS TABLE

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	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) x RCR = 5									
k = 0.60	73	64	59	72	64	58	71	63	58	53
0.80	82	74	68	81	73	68	80	73	68	63
1.00	89	81	76	88	81	76	86	81	75	70
1.25	95	88	83	94	87	82	91	86	81	76
1.50	99	92	87	97	91	87	95	90	86	80
2.00	103	98	93	102	96	92	99	94	91	85
2.50	106	101	96	104	99	95	101	97	94	87
3.00	108	103	100	106	102	98	103	99	96	89
4.00	111	107	104	109	105	102	105	102	100	92
5.00	112	109	106	110	107	105	106	104	102	93
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:20DEG
Operators:黄亚州
Test Date:2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity:60.0%
Test Distance:13.450m [K=1.0000]
Remarks: 5

ISOCANDELA DIAGRAM

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	PROTECTION ANGLE:

Conical surface Flux(90deg):

515.34 lm

%lum = 79.4%

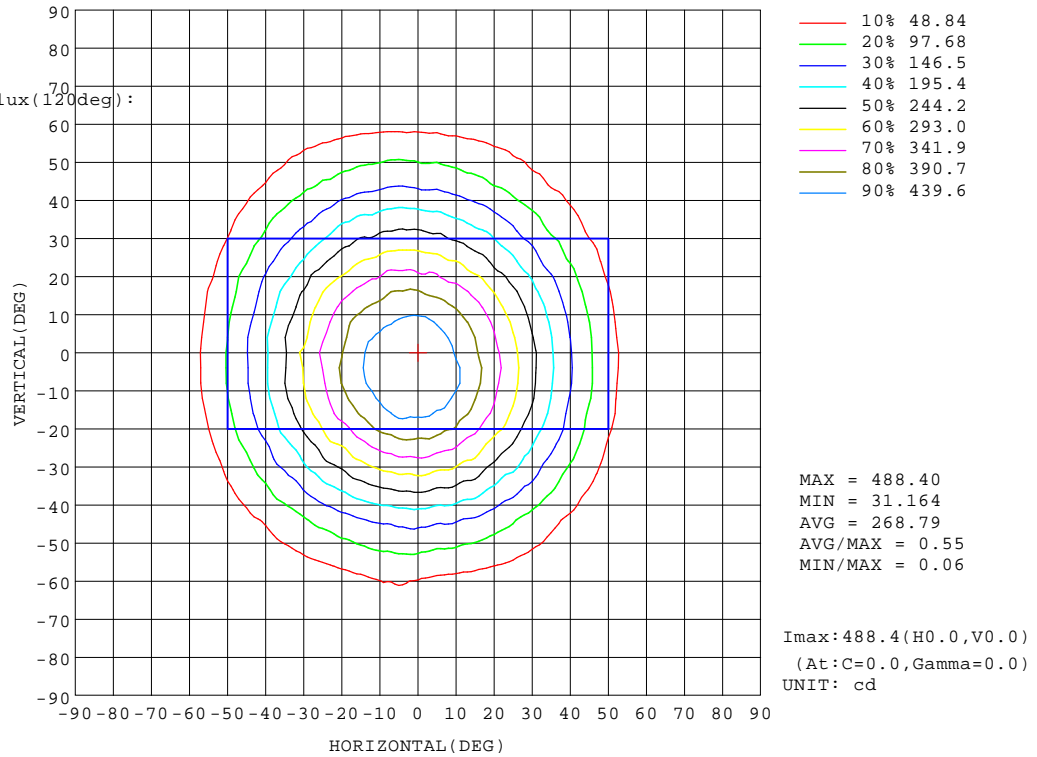
%lamp = 79.4%

Conical surface Flux(120deg):

614.49 lm

%lum = 94.7%

%lamp = 94.7%



C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:黄亚州

Test Date:2015-09-09

g Range: 0 - 90DEG

g Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287

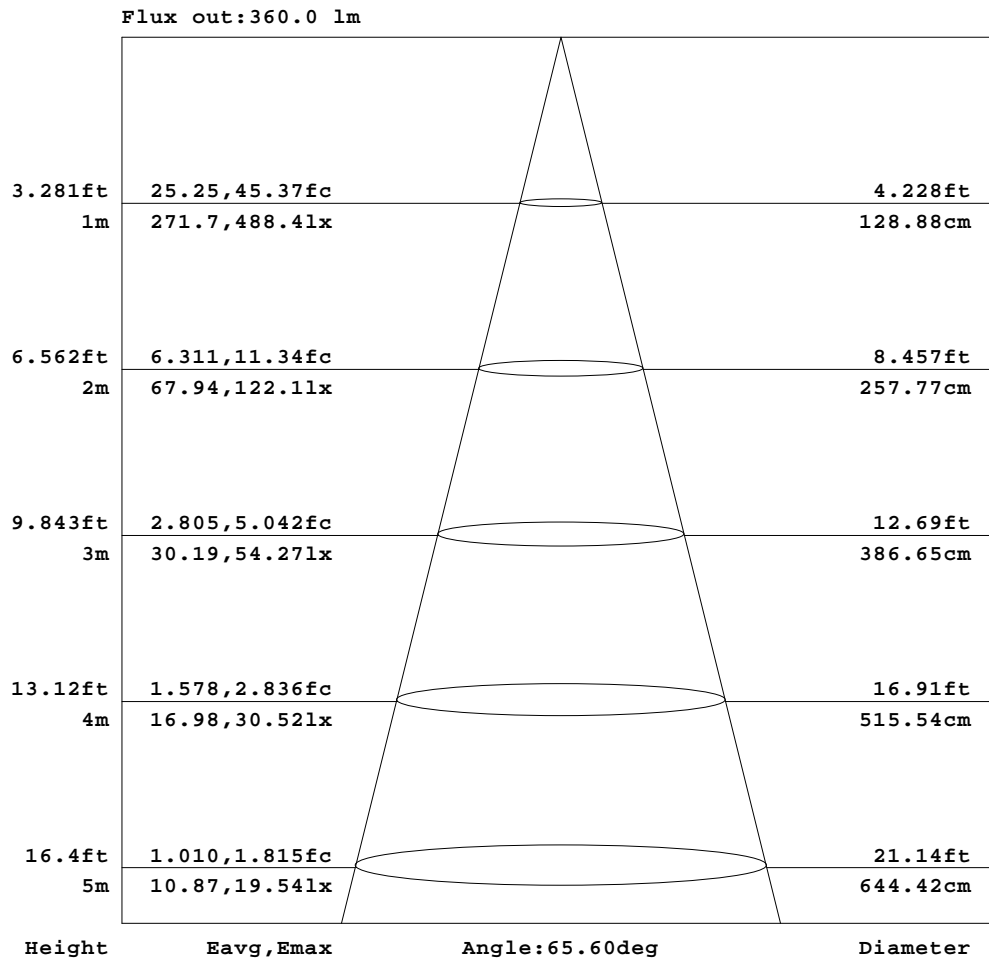
Humidity:60.0%

Test Distance:13.450m [K=1.0000]

Remarks: 5

AAI Figure

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	PROTECTION ANGLE:



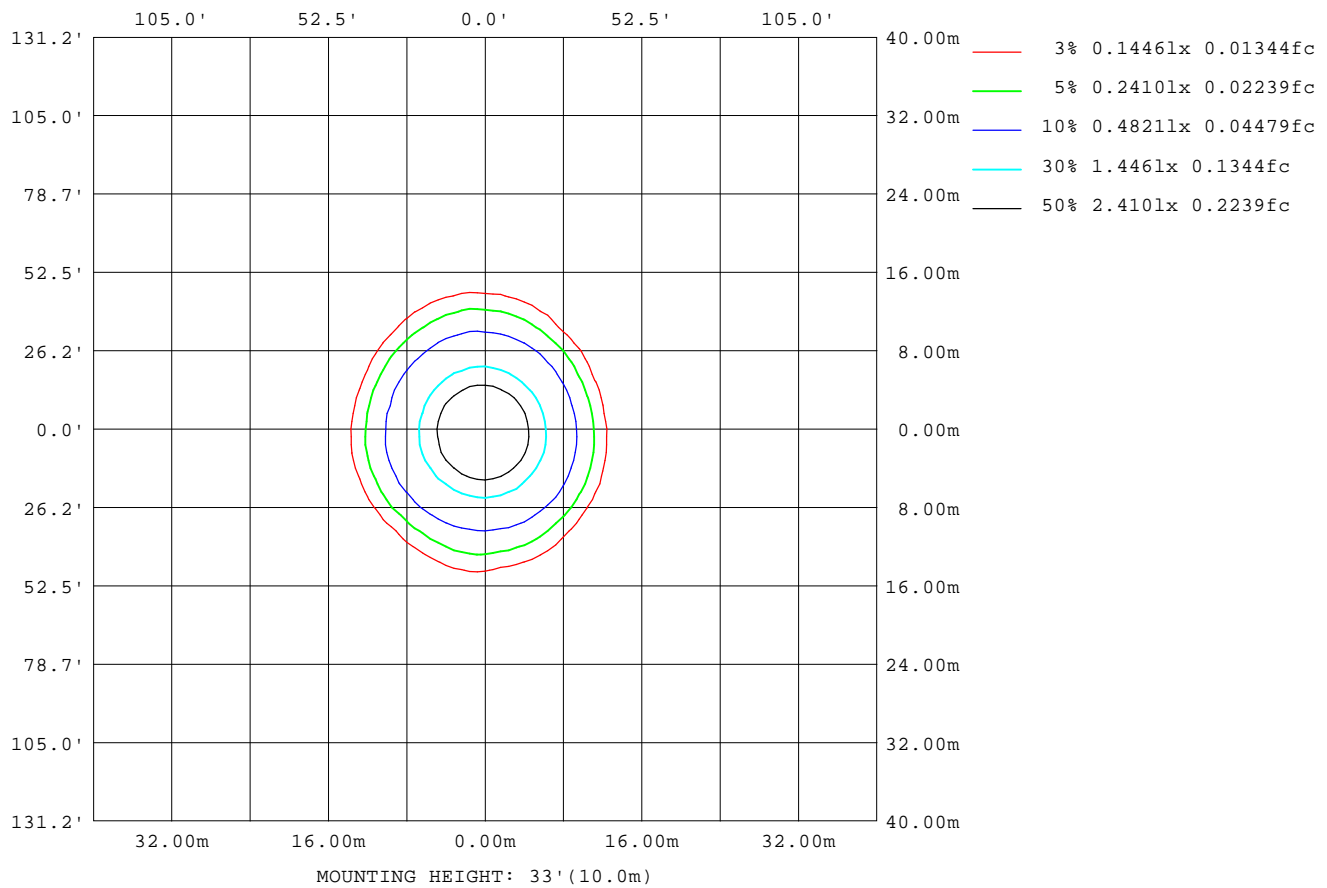
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:黄亚州
Test Date:2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity:60.0%
Test Distance:13.450m [K=1.0000]
Remarks: 5

ISOLUX DIAGRAM

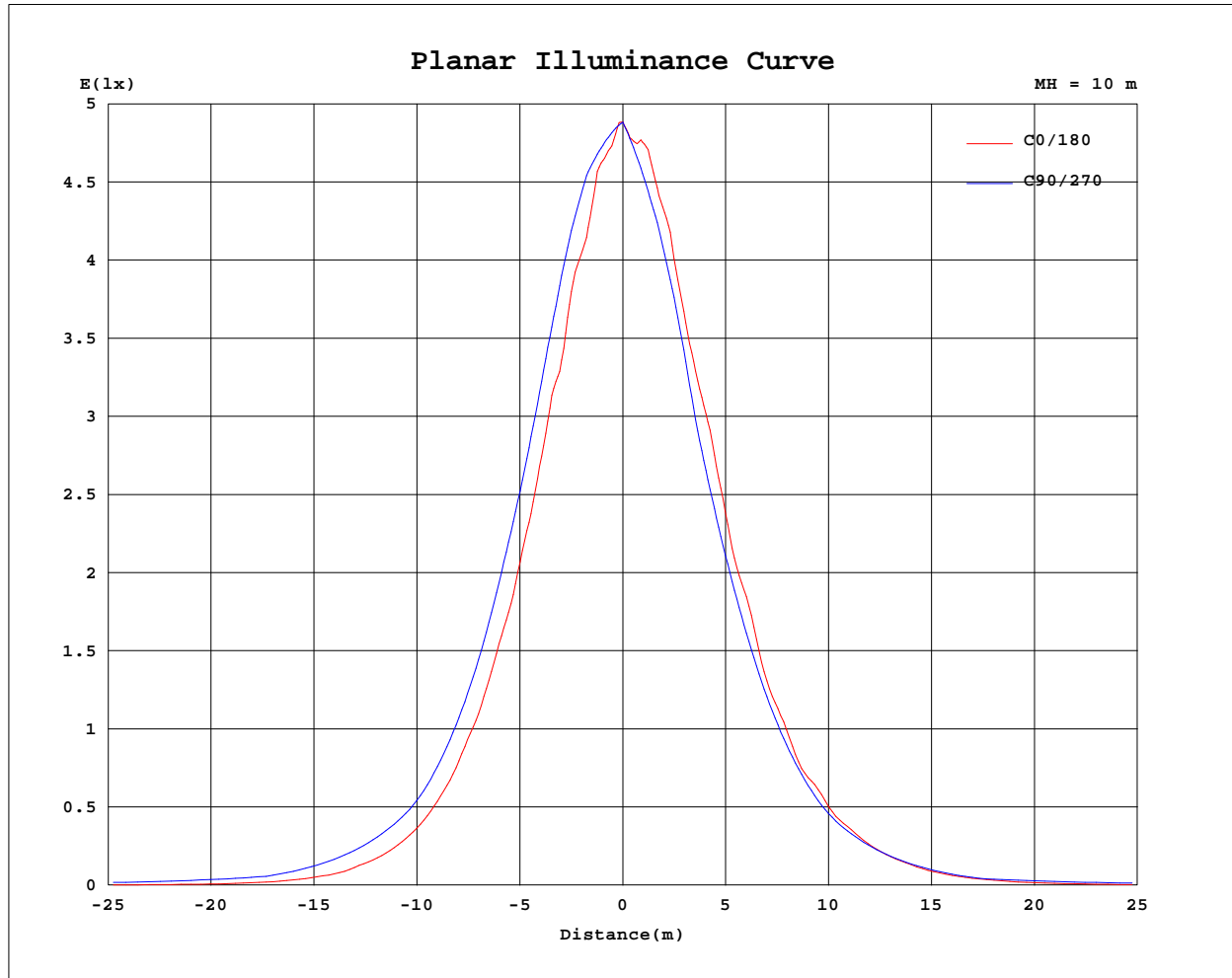
NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: 黄亚州
Test Date: 2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity: 60.0%
Test Distance: 13.450m [K=1.0000]
Remarks: 5

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: 黄亚州
Test Date: 2015-09-09

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity: 60.0%
Test Distance: 13.450m [K=1.0000]
Remarks: 5

C:\Documents and Settings\Administrator\桌面\EU900.GOS

C:\Documents and Settings\Administrator\桌面\EU900.GOS

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: EU900	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015090906
MFR.:	SUR.:0.007	PROTECTION ANGLE:

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: 黄亚州
Test Date: 2015-09-09

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.287
Humidity: 60.0%
Test Distance: 13.450m [K=1.0000]
Remarks: 5

```