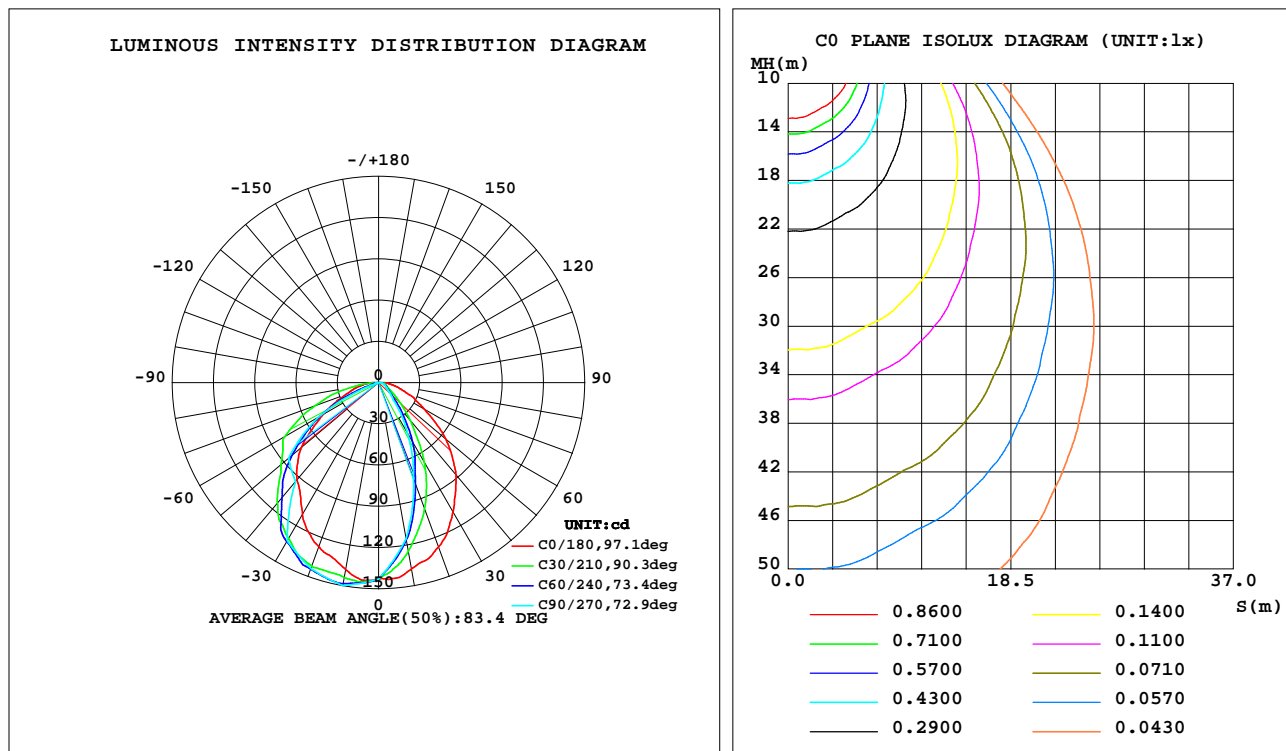


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	151.1	S/MH(C0/180)	1.16
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	281.89	h UP,DN(C0-180)	0.0,28.4
NOMINAL FLUX(lm)	281.891	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,71.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	100.0	CIBSE SHR MAX	1.10



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:
Test Date:2015-05-23

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: 放电测试

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	142.8	132.5	129.1	134.1	144.2	145.8	146.4	145.9	0- 5	3.372	3.372	1.2,1.2
10	137.8	120.1	115.3	122.6	138.1	146.7	149.9	148.2	5- 10	9.807	13.18	4.68,4.68
15	133.6	104.5	94.96	109.1	131.3	145.8	146.9	150.1	10- 15	15.46	28.64	10.2,10.2
20	127.4	86.55	74.57	90.69	127.0	142.1	143.9	145.6	15- 20	20.10	48.74	17.3,17.3
25	119.4	69.12	58.09	72.55	120.4	138.5	138.4	140.7	20- 25	23.60	72.33	25.7,25.7
30	108.5	53.15	41.61	56.82	110.7	131.5	132.8	133.2	25- 30	25.89	98.22	34.8,34.8
35	97.67	39.46	29.38	41.97	99.34	124.0	113.4	124.9	30- 35	26.73	125.0	44.3,44.3
40	87.64	26.77	17.16	27.66	92.27	115.3	93.91	117.3	35- 40	26.07	151.0	53.6,53.6
45	75.73	17.70	13.11	18.29	83.39	103.0	89.76	106.8	40- 45	24.78	175.8	62.4,62.4
50	63.81	10.47	9.054	10.41	73.24	92.39	85.60	97.90	45- 50	23.47	199.3	70.7,70.7
55	50.30	8.580	7.677	8.488	59.04	77.28	68.14	88.47	50- 55	21.55	220.8	78.3,78.3
60	38.12	7.050	6.299	6.852	46.73	64.18	50.67	75.54	55- 60	18.72	239.5	85,85
65	29.17	6.229	5.385	5.918	34.87	44.80	27.04	52.92	60- 65	15.05	254.6	90.3,90.3
70	21.12	5.392	4.472	5.119	25.02	26.47	3.412	37.74	65- 70	10.91	265.5	94.2,94.2
75	15.18	4.554	3.725	4.432	18.81	13.97	2.296	25.07	70- 75	7.438	272.9	96.8,96.8
80	10.49	3.827	2.978	3.672	12.75	6.722	1.181	12.12	75- 80	5.155	278.1	98.7,98.7
85	6.628	1.411	0	1.323	7.590	0.9045	0	2.014	80- 85	2.987	281.1	99.7,99.7
90	1.837	0	0	0	1.525	0	0	0	85- 90	0.8077	281.9	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		

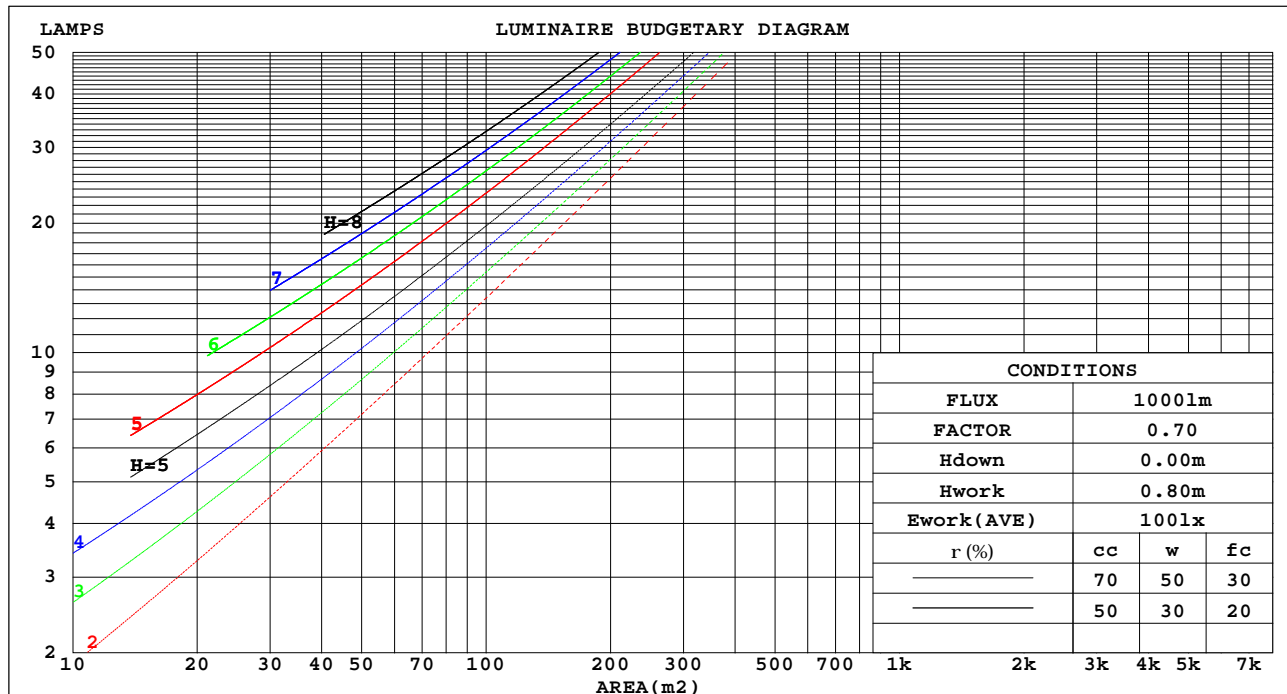
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:
Test Date:2015-05-23

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: 放电测试

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	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:
Test Date:2015-05-23

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: 放电测试

WEC AND CCEC

NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	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	.277	.157	.050	.270	.154	.049	.257	.147	.047	.245	.141	.045	.233	.135	.044		
2.0	.263	.144	.044	.257	.142	.044	.246	.137	.042	.235	.132	.041	.225	.127	.040		
3.0	.246	.131	.039	.241	.129	.039	.230	.125	.038	.221	.121	.037	.213	.118	.036		
4.0	.229	.119	.035	.224	.117	.035	.215	.114	.034	.207	.111	.034	.199	.108	.033		
5.0	.213	.109	.031	.209	.107	.031	.201	.105	.031	.194	.102	.030	.187	.100	.030		
6.0	.199	.100	.029	.195	.099	.028	.188	.097	.028	.182	.094	.028	.176	.093	.027		
7.0	.186	.092	.026	.183	.091	.026	.177	.089	.026	.171	.088	.025	.165	.086	.025		
8.0	.175	.085	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023		
9.0	.165	.080	.022	.162	.079	.022	.157	.078	.022	.152	.076	.022	.148	.075	.022		
10.0	.155	.074	.021	.153	.074	.021	.148	.073	.020	.144	.072	.020	.140	.070	.020		

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	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015	
2.0	.168	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.067	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.090	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.112	.064	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.113	.059	.023	.098	.051	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:
Test Date:2015-05-23

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: 放电测试

UGR(Unified Glare Rating) Table

NAME: WEDE901-EM					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:2015.05.23				
MFR.:					SUR.:0.01					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					16.0	17.4	16.3	17.6	17.8	9.0	10.4	9.2	10.6	10.8
3H					17.2	18.5	17.5	18.7	19.0	10.2	11.4	10.4	11.7	11.9
4H					17.8	19.0	18.1	19.3	19.5	10.8	12.1	11.1	12.3	12.6
6H					18.4	19.6	18.8	19.9	20.1	11.6	12.7	11.9	13.0	13.3
8H					18.8	19.9	19.1	20.2	20.5	11.8	12.9	12.1	13.2	13.5
12H					19.2	20.3	19.5	20.5	20.8	11.8	12.8	12.1	13.1	13.4
4H 2H					15.8	17.1	16.1	17.3	17.6	9.5	10.8	9.8	11.0	11.3
3H					17.1	18.2	17.4	18.5	18.8	11.0	12.1	11.3	12.4	12.7
4H					17.8	18.8	18.1	19.1	19.4	11.9	12.8	12.2	13.2	13.5
6H					18.6	19.4	18.9	19.8	20.1	12.8	13.7	13.2	14.0	14.4
8H					19.0	19.8	19.4	20.2	20.5	13.1	13.9	13.5	14.2	14.6
12H					19.5	20.3	20.0	20.7	21.1	13.1	13.8	13.5	14.2	14.6
8H 4H					17.8	18.6	18.2	18.9	19.3	12.4	13.2	12.8	13.6	14.0
6H					18.7	19.3	19.1	19.7	20.2	13.7	14.3	14.1	14.7	15.2
8H					19.2	19.8	19.7	20.2	20.7	14.0	14.6	14.5	15.0	15.5
12H					19.9	20.4	20.4	20.9	21.4	14.0	14.5	14.5	15.0	15.5
12H 4H					17.8	18.5	18.2	18.9	19.3	12.6	13.3	13.0	13.7	14.1
6H					18.7	19.3	19.2	19.7	20.2	13.9	14.5	14.4	15.0	15.4
8H					19.3	19.8	19.8	20.3	20.7	14.3	14.8	14.8	15.3	15.8
Variations with the observer position at spacings:														
S = 1.0H					+ 1.4 / - 1.3					+ 0.3 / - 0.3				
1.5H					+ 2.5 / - 2.5					+ 0.3 / - 0.4				
2.0H					+ 3.6 / - 3.1					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 281.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:
Test Date:2015-05-23

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: 放电测试

UTILIZATION FACTORS TABLE

NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	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	63	52	46	62	52	45	61	51	45	39
0.80	73	62	55	72	62	55	70	61	55	48
1.00	81	71	64	80	70	64	77	71	63	57
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	76	88	81	75	68
2.00	98	91	85	96	89	84	93	87	83	75
2.50	101	95	89	100	93	88	96	91	86	79
3.00	104	98	93	102	97	92	98	94	90	82
4.00	108	103	99	106	101	97	102	98	95	86
5.00	110	106	102	108	104	101	103	100	98	89
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:
Test Date:2015-05-23

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: 放电测试

ISOCANDELA DIAGRAM

NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	PROTECTION ANGLE:

Conical surface Flux(90deg):

175.8 lm

%lum = 62.4%

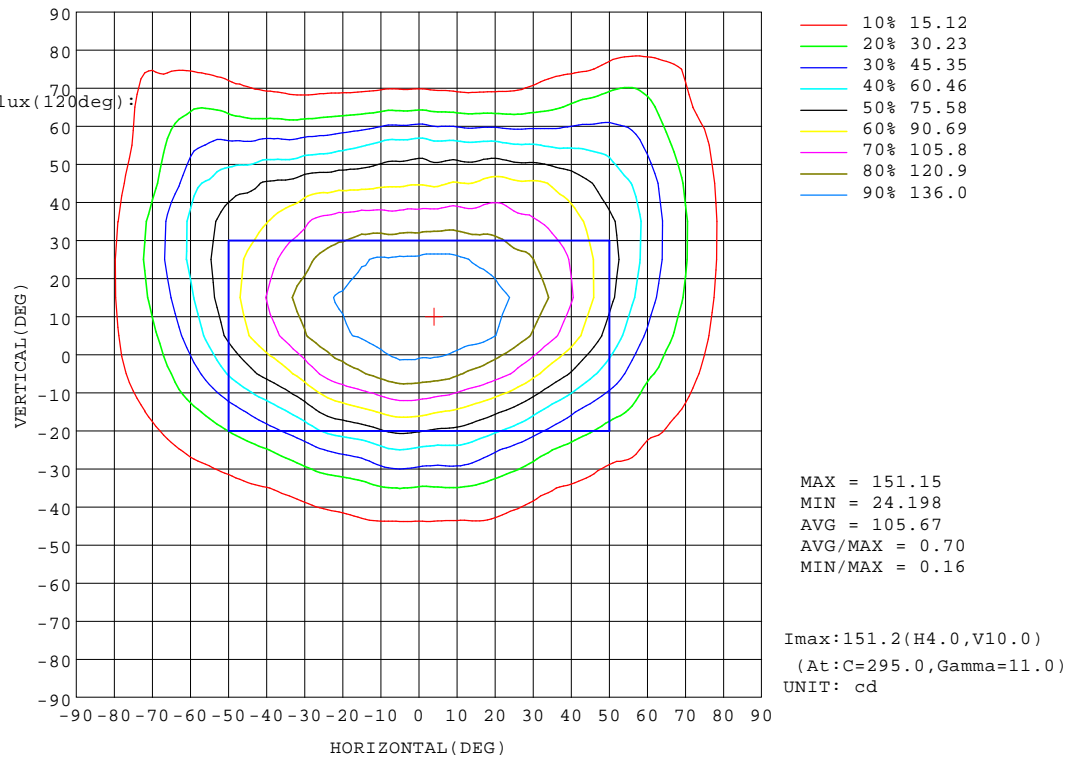
%lamp = 62.4%

Conical surface Flux(120deg):

239.54 lm

%lum = 85.0%

%lamp = 85.0%



C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:

Test Date:2015-05-23

g Range: 0 - 90DEG

g Interval: 0.5DEG

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

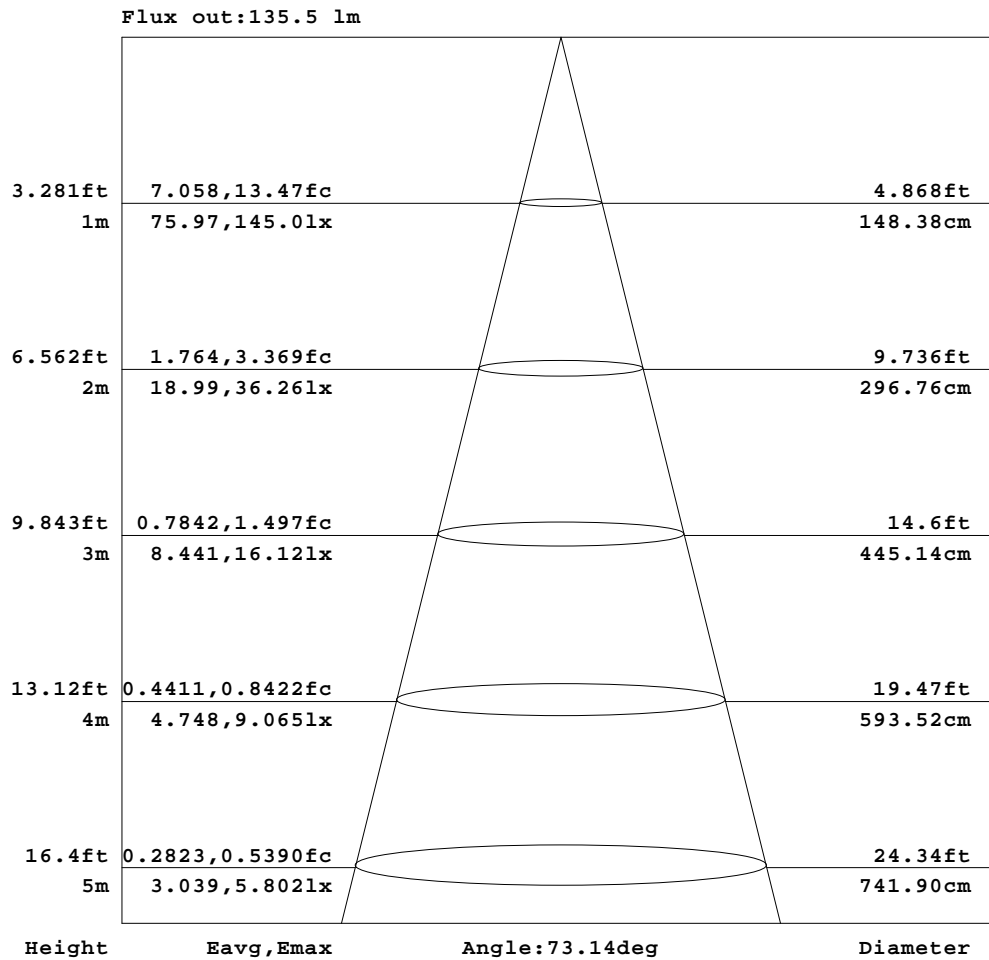
Humidity:60.0%

Test Distance:13.450m [K=1.0000]

Remarks: 放电测试

AAI Figure

NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	PROTECTION ANGLE:



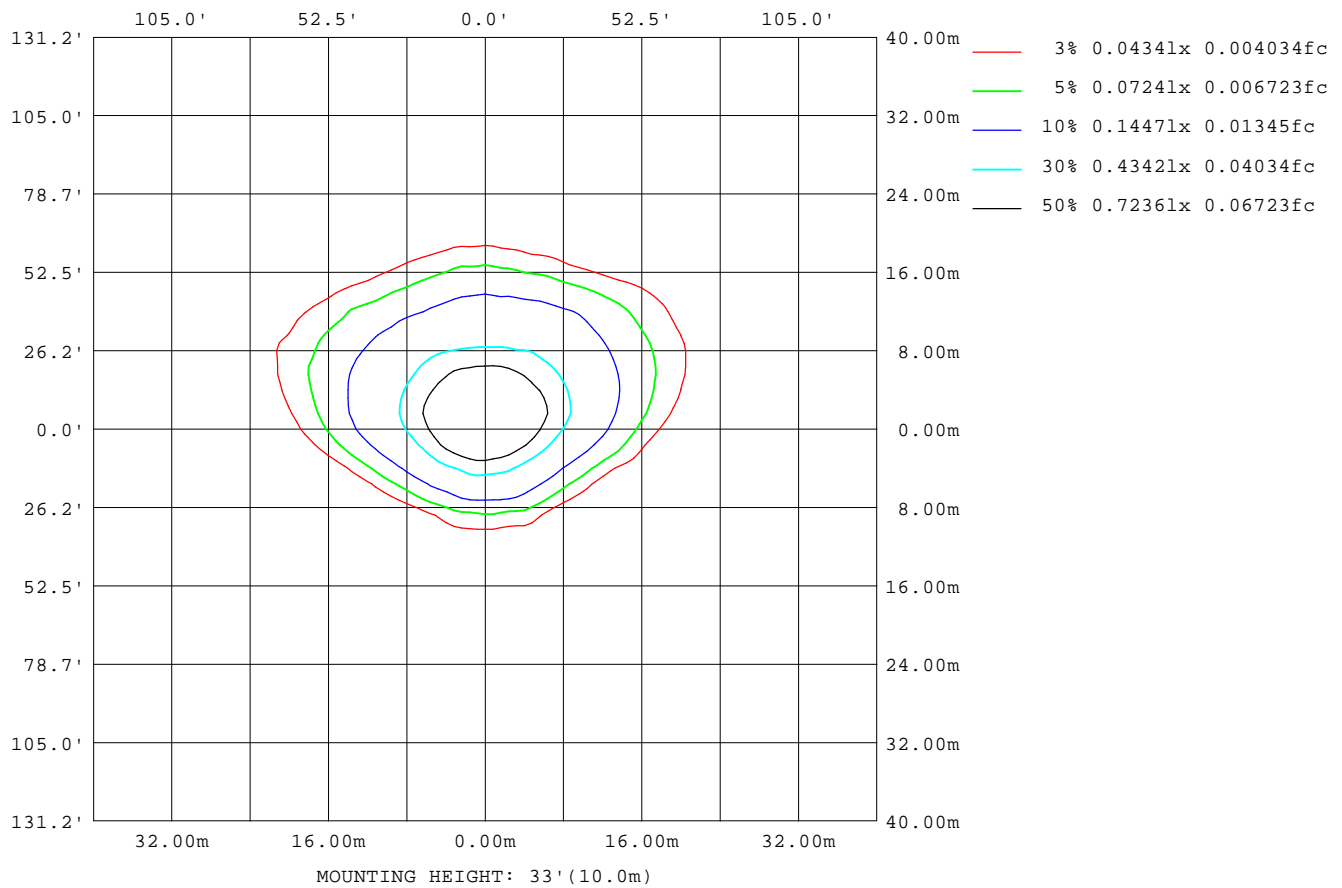
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:
Test Date:2015-05-23

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: 放电测试

ISOLUX DIAGRAM

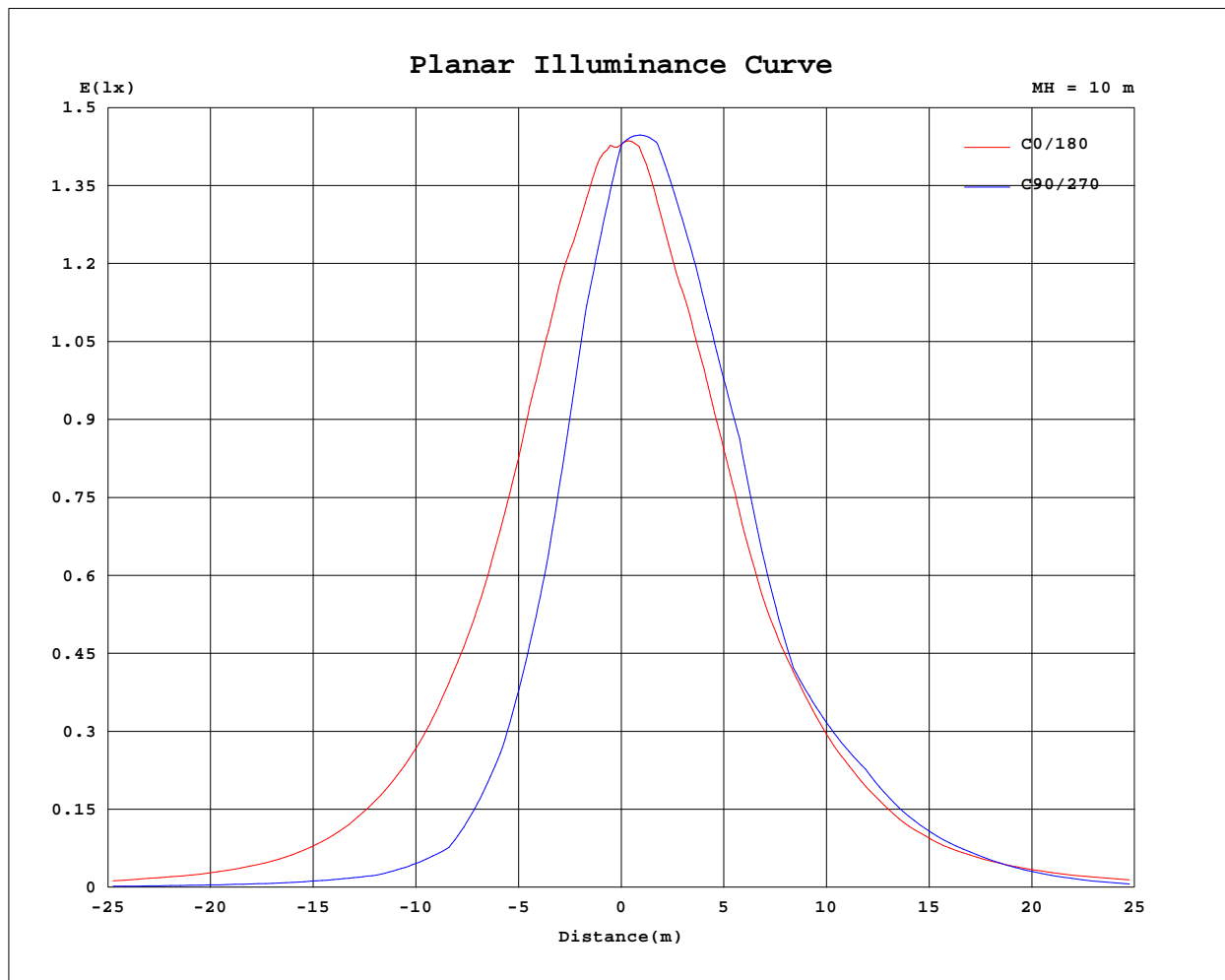
NAME: WEDE901-EM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2015.05.23
MFR.:	SUR.:0.01	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:
Test Date:2015-05-23

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: 放电测试

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators:
Test Date: 2015-05-23

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: 放电测试

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