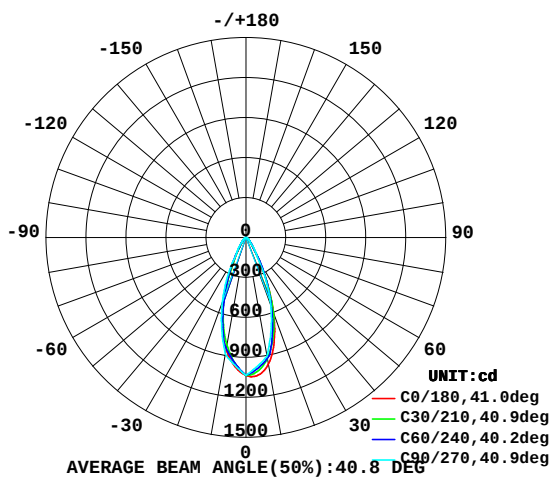


LUMINAIRE PHOTOMETRIC TEST REPORT

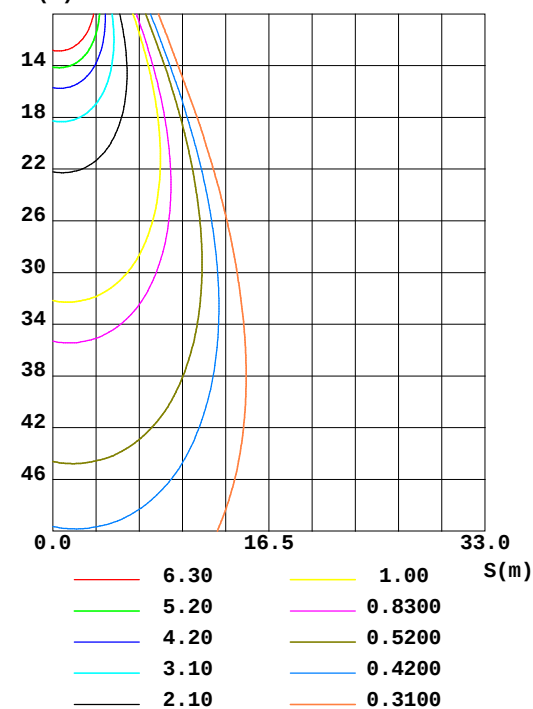
Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.901x1 lm		
NAME: 压铸铝8W单色可调	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:0.001256	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.34 lm/W			
MODEL	5RS015-30(1)	I _{max} (cd)	1045	S/MH(C0/180)	0.68
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.67
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	576.90	h UP, DN(C0-180)	0.0, 51.1
NOMINAL FLUX(lm)	576.901	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 48.9
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230.2	h down(%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2016-06-20

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:9.130m [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	1038	997.3	971.4	950.5	971.2	944.9	963.1	991.8	0- 5	23.88	23.88	4.14,4.14
10	966.3	921.2	907.6	840.7	856.4	830.4	890.9	912.8	5- 10	66.46	90.33	15.7,15.7
15	816.9	789.9	728.6	695.9	691.1	679.6	706.4	783.9	10- 15	95.68	186.0	32.2,32.2
20	609.1	580.4	549.6	497.0	486.6	466.8	521.9	570.2	15- 20	103.2	289.2	50.1,50.1
25	381.5	375.7	361.5	307.1	279.6	276.5	336.5	356.1	20- 25	89.71	378.9	65.7,65.7
30	198.4	215.3	173.4	169.3	145.7	152.4	151.0	197.5	25- 30	63.10	442.0	76.6,76.6
35	99.57	115.0	115.1	92.50	81.69	86.75	101.4	107.6	30- 35	38.40	480.4	83.3,83.3
40	59.64	62.61	56.80	53.19	50.31	50.91	51.79	59.52	35- 40	25.01	505.4	87.6,87.6
45	40.87	44.22	43.06	37.84	34.91	36.06	39.14	41.38	40- 45	17.37	522.8	90.6,90.6
50	30.16	31.43	29.32	27.31	26.06	25.83	26.50	28.95	45- 50	13.53	536.3	93,93
55	22.93	24.69	23.38	21.08	19.63	19.95	21.02	22.46	50- 55	10.84	547.2	94.8,94.8
60	17.41	18.88	17.45	15.72	14.37	15.02	15.55	16.94	55- 60	8.804	556.0	96.4,96.4
65	12.88	14.26	13.57	11.71	10.88	11.52	12.30	12.78	60- 65	6.988	563.0	97.6,97.6
70	9.417	10.51	9.690	8.531	8.000	8.587	9.039	9.391	65- 70	5.451	568.4	98.5,98.5
75	6.809	7.558	7.143	6.201	5.742	6.114	6.404	6.799	70- 75	4.108	572.5	99.2,99.2
80	4.280	4.895	4.596	3.891	3.471	3.684	3.768	4.272	75- 80	2.861	575.4	99.7,99.7
85	1.725	1.393	0	1.050	0.9096	0.9381	0	1.159	80- 85	1.394	576.8	100,100
90	0	0	0	0	0.0091	0	0	0	85- 90	0.1113	576.9	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		

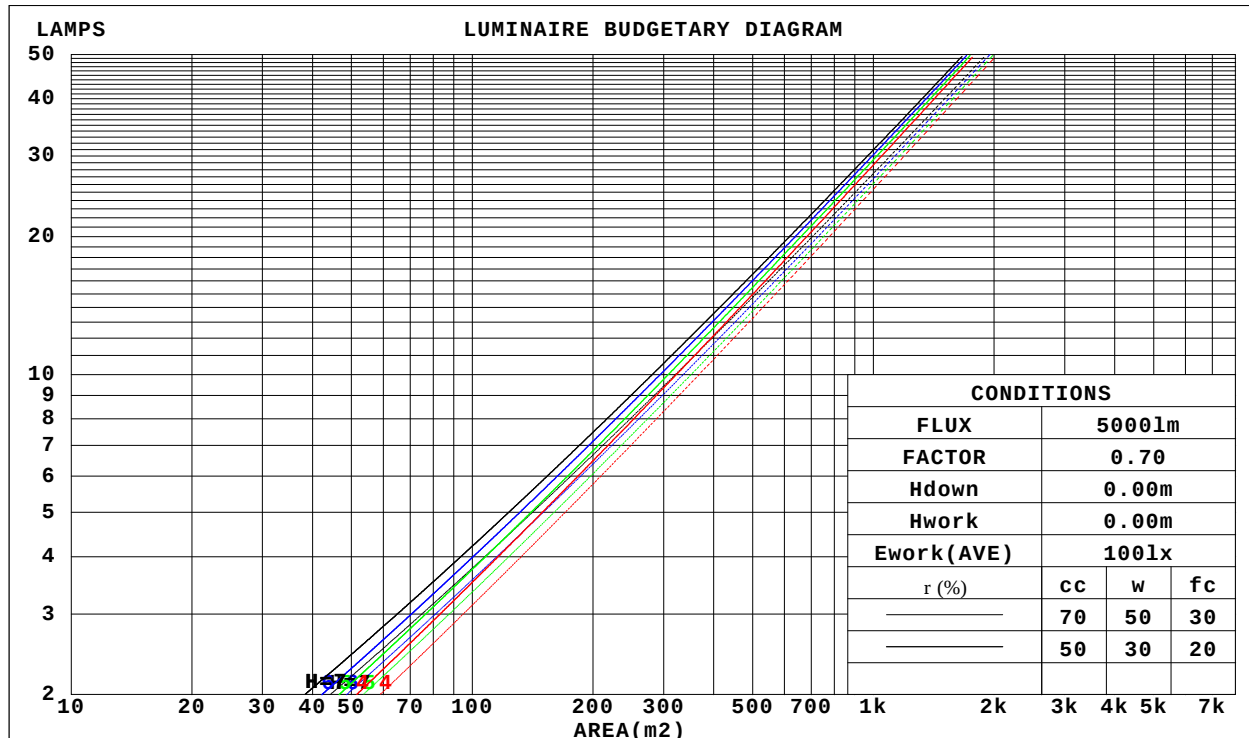
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-06-20

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.130m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.90lx1 lm		
NAME: 压铸铝8W单色可调	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:0.001256	PROTECTION ANGLE:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.73	.79	.76	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64
8.0	.72	.67	.63	.72	.66	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
9.0	.69	.63	.59	.68	.63	.59	.67	.63	.59	.67	.62	.59	.66	.62	.59	.58
10.0	.66	.60	.57	.65	.60	.57	.65	.60	.56	.64	.59	.56	.63	.59	.56	.55



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-06-20

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 65.0%
 Test Distance: 9.130m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.901x1 lm					
NAME: 压铸铝8W单色可调			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:001
MFR.: EVERFINE			SUR.:0.001256		PROTECTION ANGLE:

r c c	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r f c	20%			20%			20%			20%			20%			0
R C R	R C R:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.183	.104	.033	.176	.101	.032	.164	.094	.030	.152	.088	.028	.142	.082	.026	
2.0	.173	.095	.029	.168	.092	.028	.157	.087	.027	.147	.083	.026	.138	.078	.025	
3.0	.163	.087	.026	.158	.085	.025	.149	.081	.025	.141	.077	.024	.133	.074	.023	
4.0	.153	.080	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.128	.069	.021	
5.0	.145	.074	.021	.141	.072	.021	.134	.070	.021	.128	.068	.020	.122	.065	.020	
6.0	.137	.069	.020	.134	.068	.019	.128	.066	.019	.122	.064	.019	.117	.062	.018	
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.113	.058	.017	
8.0	.124	.060	.017	.121	.060	.017	.117	.058	.017	.112	.057	.016	.108	.056	.016	
9.0	.118	.057	.016	.116	.056	.016	.112	.055	.016	.108	.054	.015	.104	.053	.015	
10.0	.113	.054	.015	.111	.053	.015	.107	.052	.015	.104	.051	.015	.100	.050	.014	

r c c	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r f c	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	.172	.157	.144	.147	.135	.124	.100	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.123	.098	.078	.085	.068	.054	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.107	.075	.052	.073	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.098	.059	.032	.084	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-06-20

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.130m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.901x1 lm											
NAME: 压铸铝8W单色可调					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:001			
MFR.: EVERFINE					SUR.:0.001256			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	21.2	22.1	21.4	22.3	22.4	21.5	22.4	21.7	22.6	22.7	
	3H	21.9	22.7	22.1	22.9	23.1	22.2	23.0	22.4	23.2	23.4
	4H	22.2	23.0	22.5	23.2	23.4	22.5	23.3	22.8	23.5	23.8
	6H	22.4	23.2	22.7	23.5	23.7	22.8	23.6	23.1	23.8	24.0
	8H	22.5	23.3	22.8	23.5	23.8	22.8	23.6	23.2	23.8	24.1
	12H	22.6	23.3	22.9	23.6	23.8	22.8	23.5	23.1	23.8	24.1
4H	2H	21.5	22.3	21.8	22.5	22.7	21.7	22.5	22.0	22.8	23.0
	3H	22.4	23.1	22.7	23.4	23.6	22.7	23.4	23.0	23.6	23.9
	4H	22.8	23.5	23.2	23.8	24.1	23.1	23.8	23.5	24.1	24.4
	6H	23.2	23.8	23.6	24.1	24.5	23.5	24.1	23.9	24.5	24.8
	8H	23.4	23.9	23.8	24.2	24.6	23.6	24.2	24.0	24.5	24.9
	12H	23.4	23.9	23.8	24.3	24.7	23.6	24.1	24.0	24.5	24.9
8H	4H	23.0	23.5	23.4	23.9	24.3	23.3	23.8	23.7	24.2	24.5
	6H	23.6	24.0	24.0	24.4	24.8	23.9	24.3	24.3	24.7	25.1
	8H	23.8	24.1	24.2	24.6	25.0	24.0	24.4	24.4	24.8	25.2
	12H	23.9	24.2	24.3	24.6	25.1	24.0	24.3	24.4	24.7	25.2
12H	4H	23.0	23.5	23.4	23.9	24.3	23.3	23.8	23.7	24.1	24.5
	6H	23.6	24.0	24.0	24.4	24.8	23.9	24.3	24.3	24.7	25.1
	8H	23.8	24.2	24.3	24.6	25.1	24.1	24.4	24.5	24.8	25.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.6 / - 0.7					
1.5H	+ 0.8 / - 0.5					+ 1.1 / - 0.7					
2.0H	+ 0.7 / - 0.6					+ 0.8 / - 0.7					

CIE Pub.117 Corrected 576.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-06-20

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.130m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.90lx1 lm		
NAME: 压铸铝8W单色可调	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:0.001256	PROTECTION ANGLE:

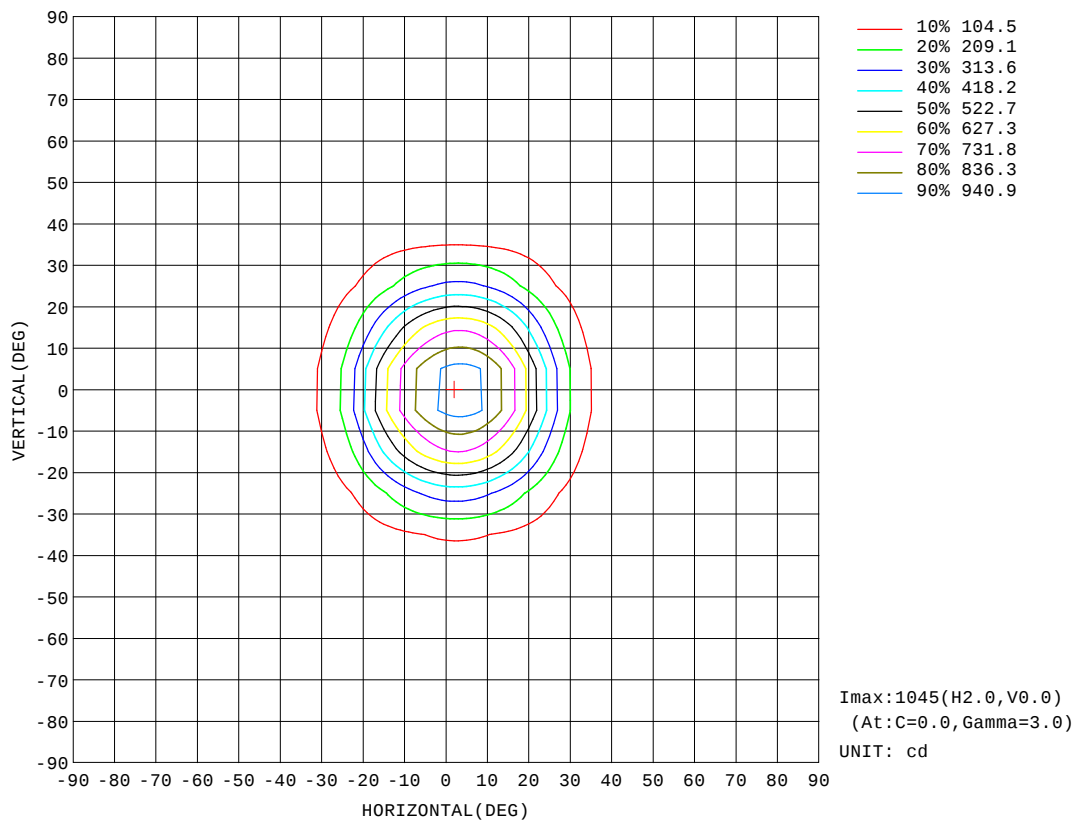
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	73	83	77	73	83	76	73	69
0.80	92	85	81	91	85	81	90	84	80	76
1.00	96	90	86	96	90	86	94	90	85	81
1.25	101	95	91	100	94	91	98	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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:25.3DEG
 Operators:DAMIN
 Test Date:2016-06-20

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.130m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.90lx1 lm		
NAME: 压铸铝8W单色可调	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:0.001256	PROTECTION ANGLE:



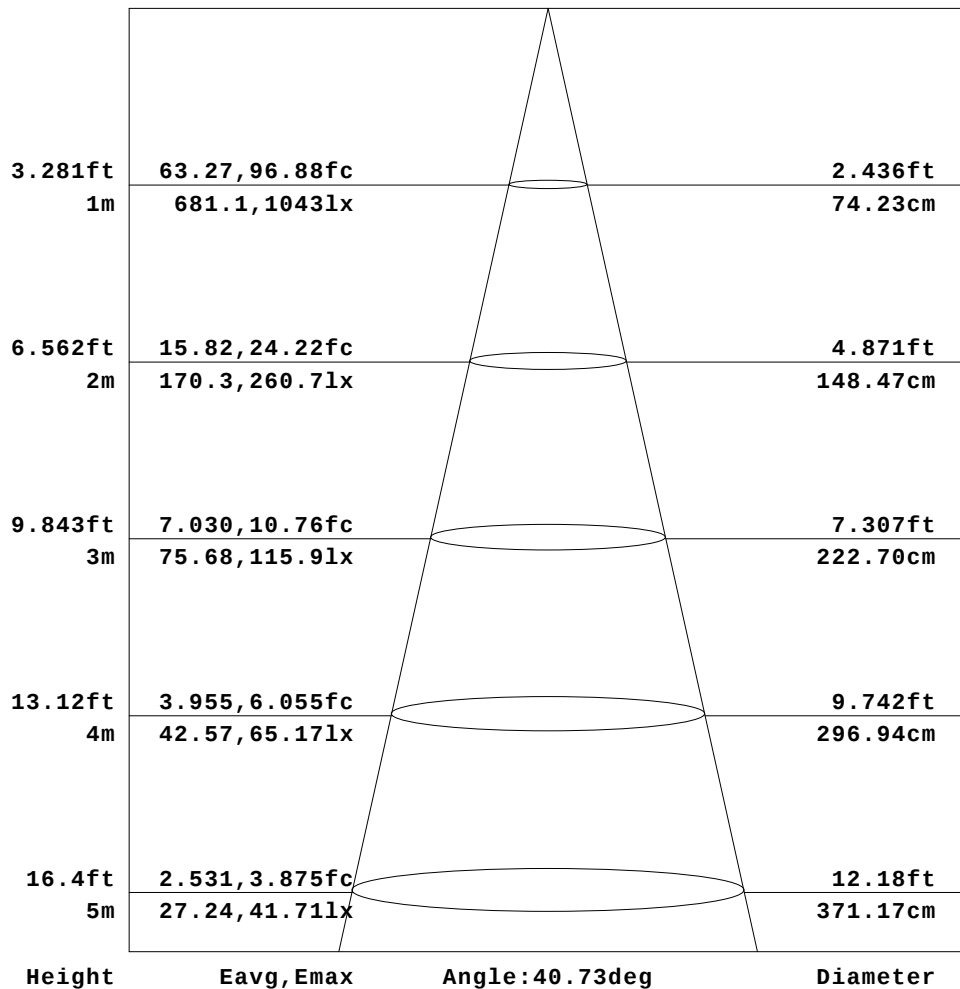
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2016-06-20

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:9.130m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.901x1 lm		
NAME: 压铸铝8W单色可调	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:0.001256	PROTECTION ANGLE:

Flux out:299.1 lm



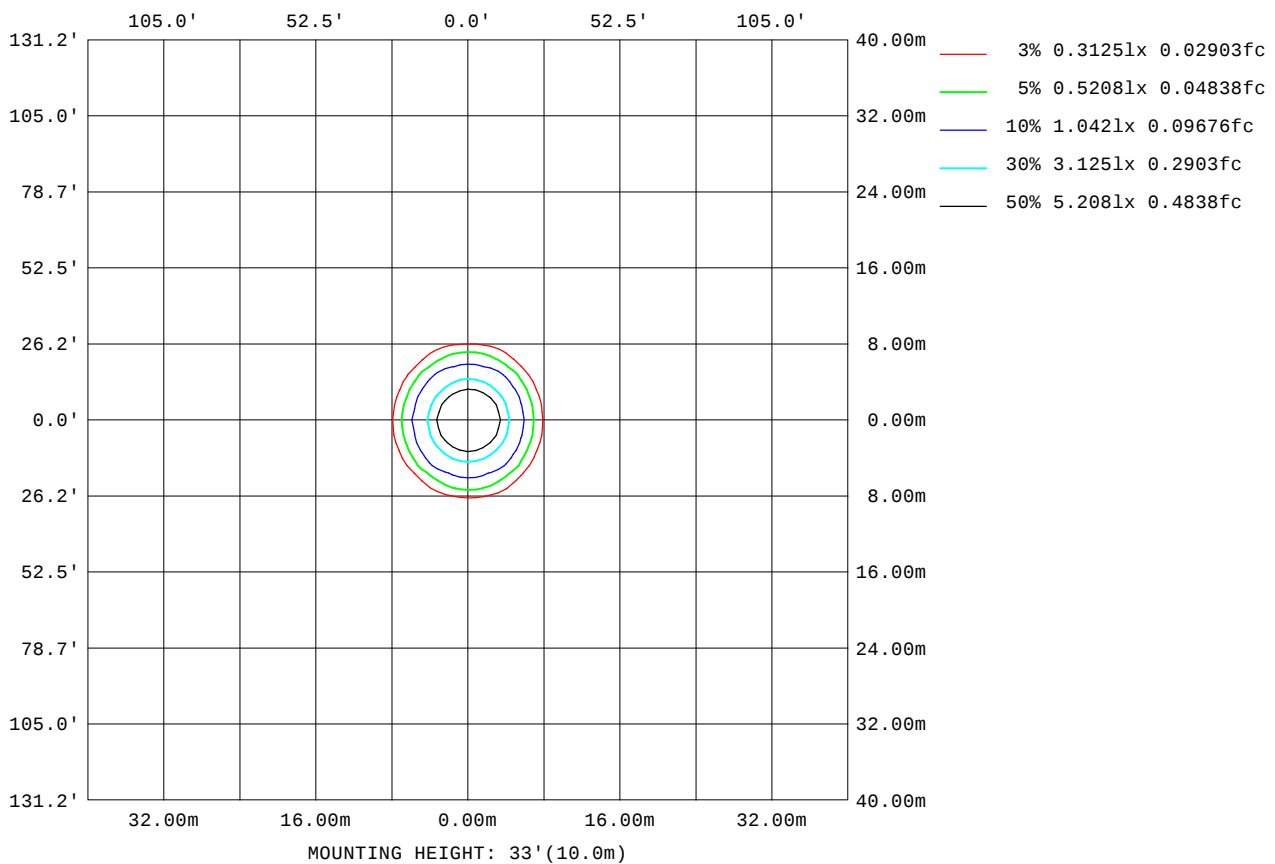
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2016-06-20

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity: 65.0%
Test Distance: 9.130m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

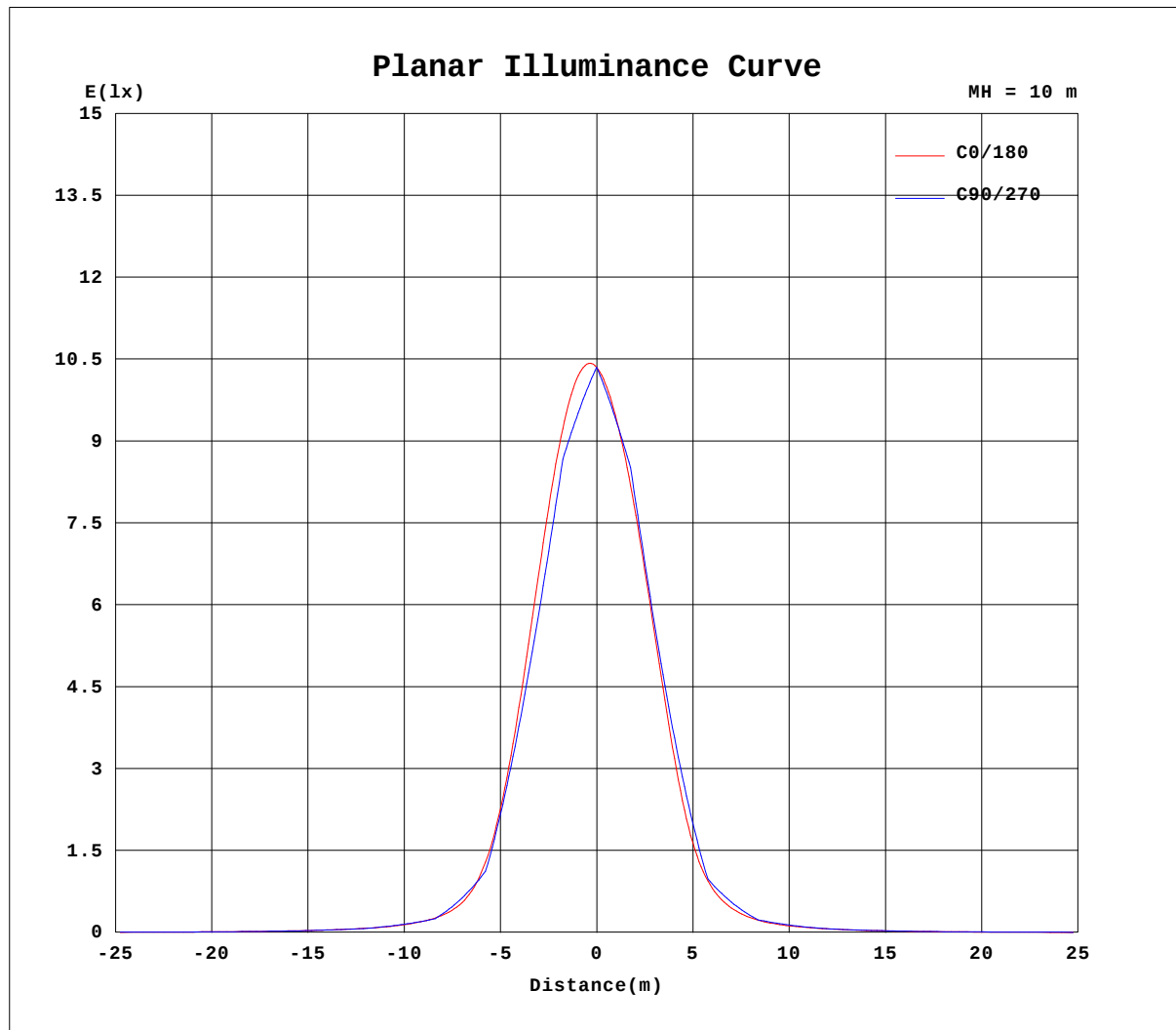
Test:U:230.2V I:0.0374A P:7.866W PF:0.9146 Lamp Flux:576.90lx 1m		
NAME: 压铸铝8W单色可调	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:0.001256	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-06-20

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.279
 Humidity: 65.0%
 Test Distance: 9.130m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2016-06-20

Range: 0 - 90DEG
Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity: 65.0%
Test Distance: 9.130m [K=1.0000]
Remarks:

