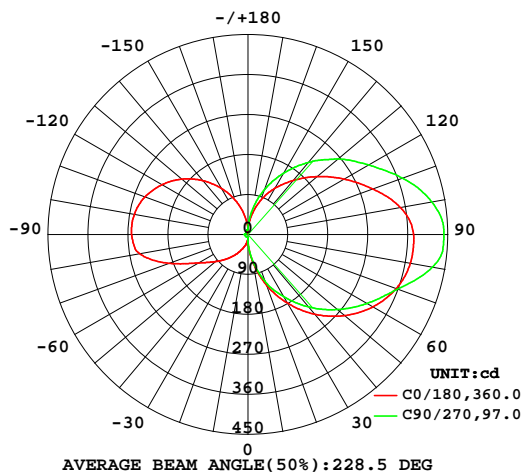


## LUMINAIRE PHOTOMETRIC TEST REPORT

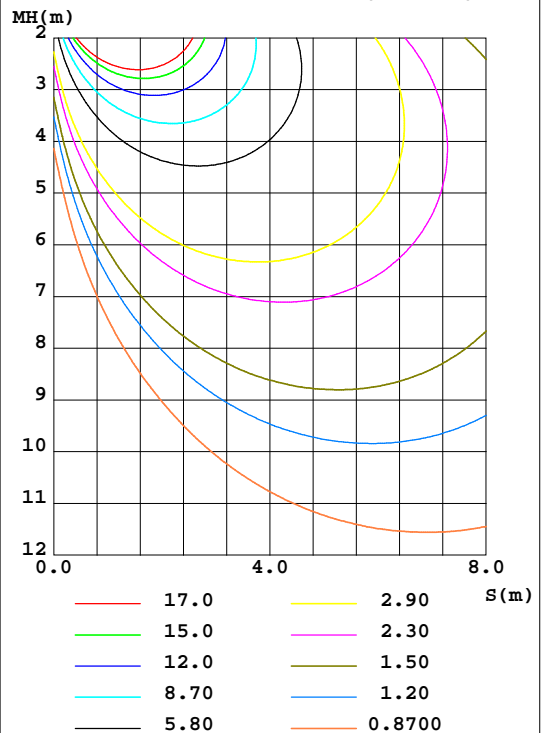
Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.87 lm/W			
MODEL	AH5060-15W90合成	I <sub>max</sub> (cd)	456.6	S/MH(C0/180)	5.39
NOMINAL POWER(W)		LOR(%)	99.1	S/MH(C90/270)	0.21
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2133.4	h UP,DN(C0-180)	42.2,41.8
NOMINAL FLUX(lm)	1075.97	CIE CLASS	DIFFUSE	h UP,DN(C180-360)	7.8,7.3
LAMPS INSIDE	2	h up(%)	50.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	h down(%)	49.1	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

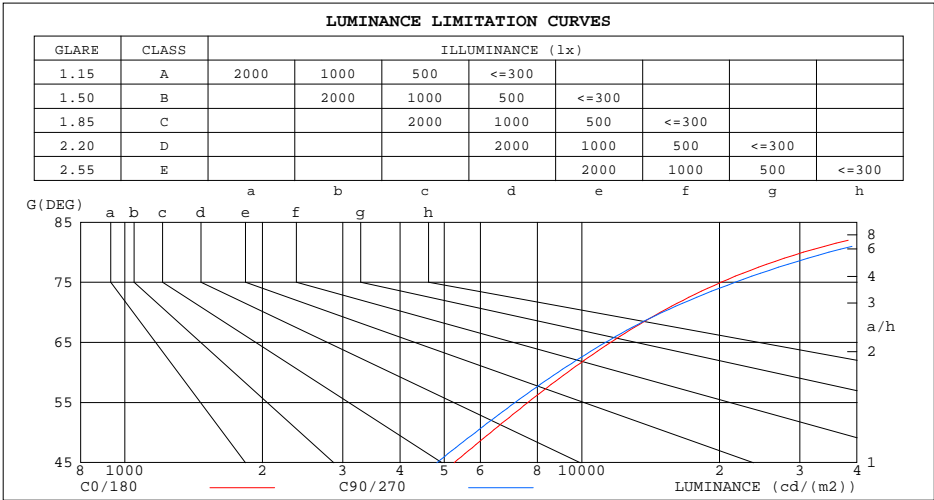
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	62.14	59.30	58.68	58.16	19.72	6.285	6.477	6.546	0~ 10	2.426	2.426	0.11,0.11
20	120.4	113.5	111.8	111.4	32.41	5.892	6.085	6.199	10~ 20	13.89	16.32	0.76,0.76
30	178.7	164.8	161.9	161.8	50.11	6.091	6.295	6.518	20~ 30	35.63	51.95	2.43,2.41
40	234.4	217.2	213.1	214.0	70.55	6.693	6.840	7.053	30~ 40	65.91	117.9	5.52,5.48
50	284.1	268.5	263.0	264.6	95.11	6.880	6.994	7.128	40~ 50	103.3	221.1	10.4,10.3
60	325.5	316.5	310.2	312.8	128.5	6.907	6.976	7.045	50~ 60	144.2	365.4	17.1,17
70	355.6	365.4	359.1	364.8	189.9	6.955	6.981	7.075	60~ 70	187.7	553.0	25.9,25.7
80	371.3	429.0	422.2	429.2	248.3	7.720	7.777	7.841	70~ 80	235.7	788.7	37,36.6
90	372.8	448.9	441.0	447.6	262.2	9.029	8.880	8.992	80~ 90	268.4	1057	49.5,49.1
100	348.9	428.2	420.7	427.7	260.3	8.070	7.786	8.039	90~100	267.1	1324	62.1,61.5
110	299.5	378.0	370.6	377.6	247.2	5.752	5.489	5.632	100~110	237.9	1562	73.2,72.6
120	250.0	320.7	313.6	319.7	224.2	5.631	5.418	5.466	110~120	193.8	1756	82.3,81.6
130	203.3	269.1	264.7	270.3	194.5	6.278	6.035	5.868	120~130	149.1	1905	89.3,88.5
140	159.1	215.0	212.0	216.9	158.7	7.970	7.688	7.366	130~140	106.5	2012	94.3,93.5
150	119.7	161.2	159.2	162.9	120.1	9.596	9.535	9.409	140~150	68.09	2080	97.5,96.6
160	79.98	107.9	106.5	109.2	80.92	10.78	10.72	10.56	150~160	36.80	2116	99.2,98.4
170	40.01	55.20	54.53	56.10	42.10	11.46	11.42	11.32	160~170	14.46	2131	99.9,99
180	10.65	10.65	10.65	10.65	10.65	10.65	10.65	10.65	170~180	2.491	2133	100,99.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	61207	72088
80	30549	34730
75	20168	21645
70	14853	14998
65	11562	11269
60	9299	8864
55	7620	7145
50	6314	5844
45	5255	4815

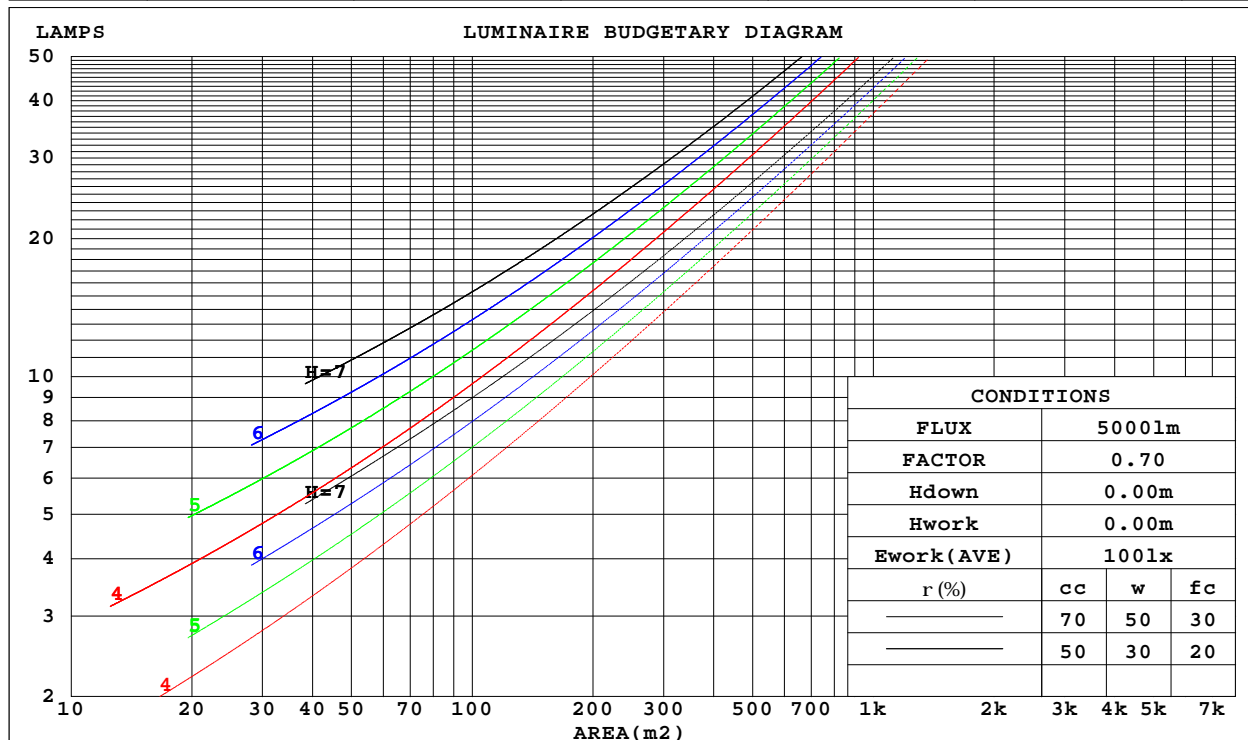
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.06	1.06	1.06	.98	.98	.98	.82	.82	.82	.68	.68	.68	.55	.55	.55	.49
1.0	.84	.77	.72	.76	.71	.66	.63	.59	.55	.50	.47	.44	.39	.36	.34	.28
2.0	.70	.61	.54	.63	.56	.49	.52	.46	.41	.41	.36	.32	.31	.27	.24	.19
3.0	.59	.50	.42	.54	.46	.39	.44	.37	.32	.34	.29	.25	.26	.22	.18	.14
4.0	.51	.42	.34	.47	.38	.31	.38	.31	.25	.30	.24	.20	.22	.18	.14	.10
5.0	.45	.35	.28	.41	.32	.26	.33	.26	.21	.26	.20	.16	.19	.15	.12	.08
6.0	.40	.30	.24	.36	.28	.22	.29	.23	.18	.23	.18	.13	.17	.13	.10	.06
7.0	.36	.27	.20	.32	.24	.18	.26	.20	.15	.21	.15	.11	.15	.11	.08	.05
8.0	.32	.23	.17	.29	.21	.16	.24	.17	.13	.19	.14	.10	.14	.10	.07	.04
9.0	.29	.21	.15	.26	.19	.14	.22	.15	.11	.17	.12	.09	.13	.09	.06	.04
10.0	.26	.19	.13	.24	.17	.12	.20	.14	.10	.16	.11	.07	.12	.08	.05	.03



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding 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	.449	.255	.081	.426	.243	.077	.384	.220	.070	.345	.199	.064	.310	.180	.058	
2.0	.365	.200	.061	.344	.190	.058	.306	.170	.053	.270	.152	.047	.237	.134	.042	
3.0	.313	.167	.050	.294	.158	.047	.259	.140	.043	.227	.124	.038	.196	.109	.034	
4.0	.276	.143	.042	.259	.135	.040	.226	.120	.036	.196	.105	.032	.168	.092	.028	
5.0	.247	.126	.036	.231	.119	.035	.202	.105	.031	.174	.092	.027	.148	.079	.024	
6.0	.224	.112	.032	.209	.106	.030	.182	.093	.027	.156	.081	.024	.132	.070	.021	
7.0	.205	.101	.029	.191	.095	.027	.166	.084	.024	.142	.073	.021	.120	.062	.018	
8.0	.189	.092	.026	.176	.087	.025	.153	.076	.022	.131	.066	.019	.110	.056	.016	
9.0	.175	.085	.024	.163	.080	.022	.141	.070	.020	.121	.061	.017	.101	.051	.015	
10.0	.163	.078	.022	.152	.074	.021	.132	.065	.018	.112	.056	.016	.094	.047	.014	

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	.570	.570	.570	.487	.487	.487	.332	.332	.332	.191	.191	.191	.061	.061	.061	
1.0	.573	.538	.506	.490	.462	.436	.335	.318	.301	.193	.184	.175	.062	.059	.057	
2.0	.568	.517	.475	.486	.445	.410	.333	.308	.286	.192	.179	.168	.062	.058	.055	
3.0	.561	.503	.456	.481	.434	.395	.330	.301	.277	.191	.176	.163	.061	.057	.054	
4.0	.553	.491	.444	.475	.425	.386	.326	.296	.272	.189	.173	.161	.061	.056	.053	
5.0	.546	.483	.436	.469	.417	.379	.323	.292	.268	.187	.171	.159	.060	.056	.052	
6.0	.538	.475	.430	.463	.412	.375	.319	.288	.265	.185	.170	.158	.060	.055	.052	
7.0	.531	.469	.426	.457	.407	.371	.316	.285	.263	.183	.168	.157	.059	.055	.052	
8.0	.525	.464	.423	.452	.403	.369	.312	.283	.261	.182	.167	.156	.059	.055	.052	
9.0	.518	.460	.420	.447	.399	.367	.309	.281	.260	.180	.166	.155	.058	.054	.051	
10.0	.513	.456	.418	.442	.396	.365	.307	.279	.259	.179	.165	.155	.058	.054	.051	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm											
NAME: AH5060-15W90合成					TYPE:			WEIGHT:			
SPEC.:AH5060-15W90合成					DIM.: 1500*50*60			SERIAL No.:			
MFR.: COLORS					SUR.:1500*50			Shielding 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	16.1	17.2	17.0	18.2	19.3	15.9	17.0	16.8	17.9	19.1	
	3H	19.9	20.9	20.8	21.8	23.0	19.8	20.8	20.7	21.8	23.0
	4H	22.0	22.9	22.9	23.9	25.1	22.1	23.0	23.0	24.0	25.2
	6H	24.2	25.1	25.1	26.1	27.3	24.6	25.5	25.5	26.5	27.7
	8H	25.4	26.3	26.4	27.3	28.5	26.0	26.9	26.9	27.8	29.1
	12H	26.8	27.6	27.7	28.6	29.9	27.5	28.3	28.4	29.3	30.6
4H	2H	17.3	18.3	18.2	19.2	20.4	17.1	18.1	18.0	19.1	20.3
	3H	21.1	22.0	22.1	22.9	24.2	21.1	21.9	22.0	22.9	24.2
	4H	23.3	24.1	24.3	25.1	26.4	23.4	24.2	24.4	25.2	26.5
	6H	25.7	26.4	26.7	27.4	28.7	26.1	26.8	27.1	27.8	29.1
	8H	27.0	27.7	28.0	28.7	30.0	27.5	28.2	28.5	29.2	30.5
	12H	28.5	29.1	29.5	30.1	31.4	29.1	29.7	30.1	30.7	32.1
8H	4H	24.2	24.9	25.2	25.9	27.2	24.3	25.0	25.3	26.0	27.3
	6H	26.9	27.5	27.9	28.5	29.8	27.2	27.8	28.2	28.8	30.1
	8H	28.4	28.9	29.4	29.9	31.3	28.8	29.3	29.8	30.3	31.7
	12H	30.1	30.5	31.1	31.5	32.9	30.6	31.1	31.6	32.1	33.5
12H	4H	24.5	25.1	25.5	26.2	27.5	24.6	25.2	25.6	26.2	27.5
	6H	27.3	27.8	28.3	28.9	30.2	27.6	28.1	28.6	29.1	30.5
	8H	28.9	29.4	30.0	30.4	31.8	29.3	29.7	30.3	30.8	32.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 2152 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

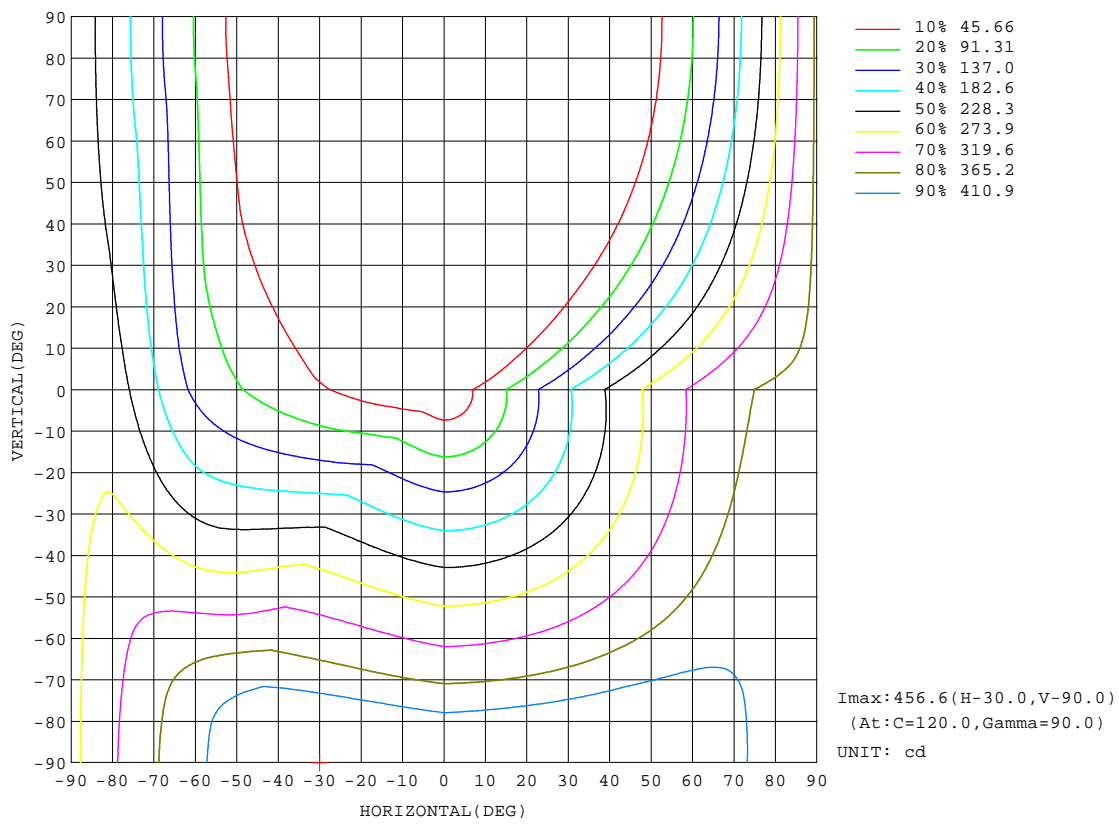
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	33	20	13	31	19	12	28	17	11	4
0.80	41	27	18	38	25	17	34	22	15	6
1.00	48	33	24	45	31	22	39	29	20	8
1.25	55	40	30	51	37	28	43	32	24	11
1.50	60	45	35	55	42	33	47	36	28	13
2.00	68	54	44	62	50	41	53	43	35	17
2.50	73	60	50	67	56	47	57	47	40	20
3.00	77	65	55	71	60	52	60	51	44	23
4.00	83	72	64	76	67	59	64	56	50	26
5.00	86	77	69	79	71	64	66	60	54	29
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: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:



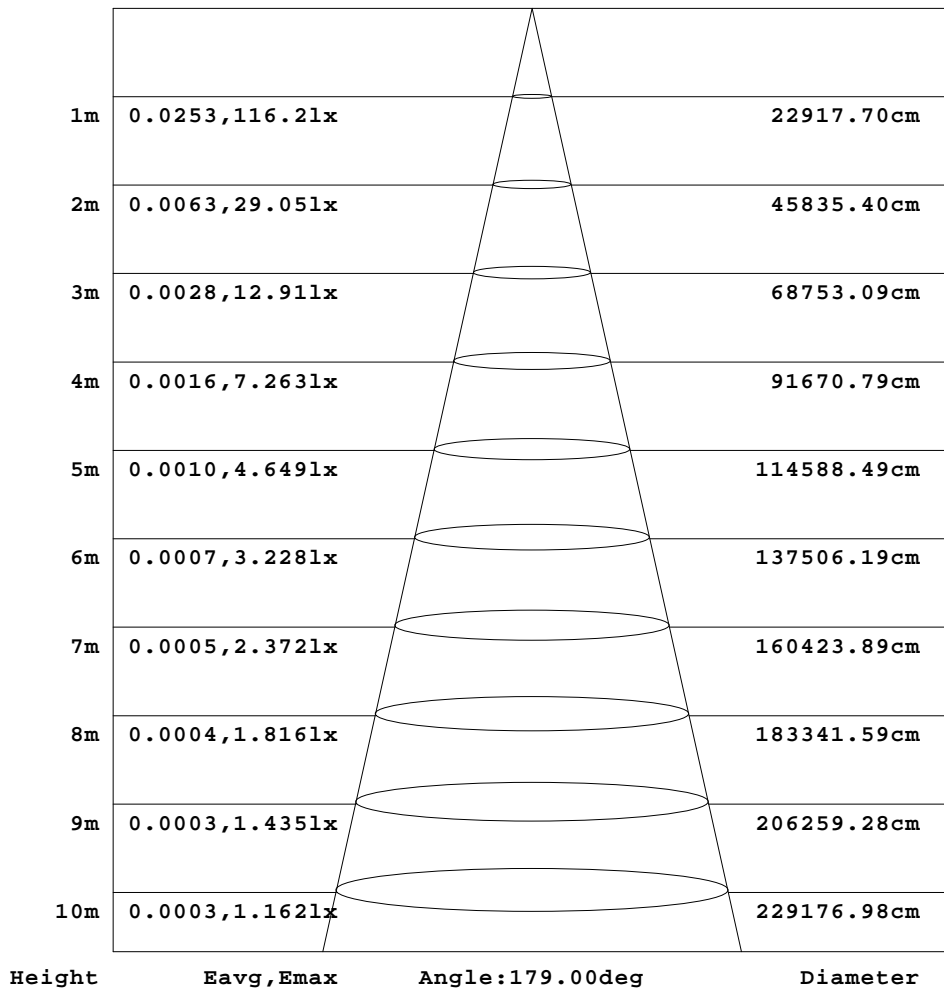
C Range: 0 - 360DEG	deg Range: 0 - 180DEG
C Interval: 5.0DEG	Interval: 0.5DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:JYH	Test Distance:10.000m [K=1.0000]
Test Date:	Remarks:



## AAI Figure

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Flux out:1043 lm



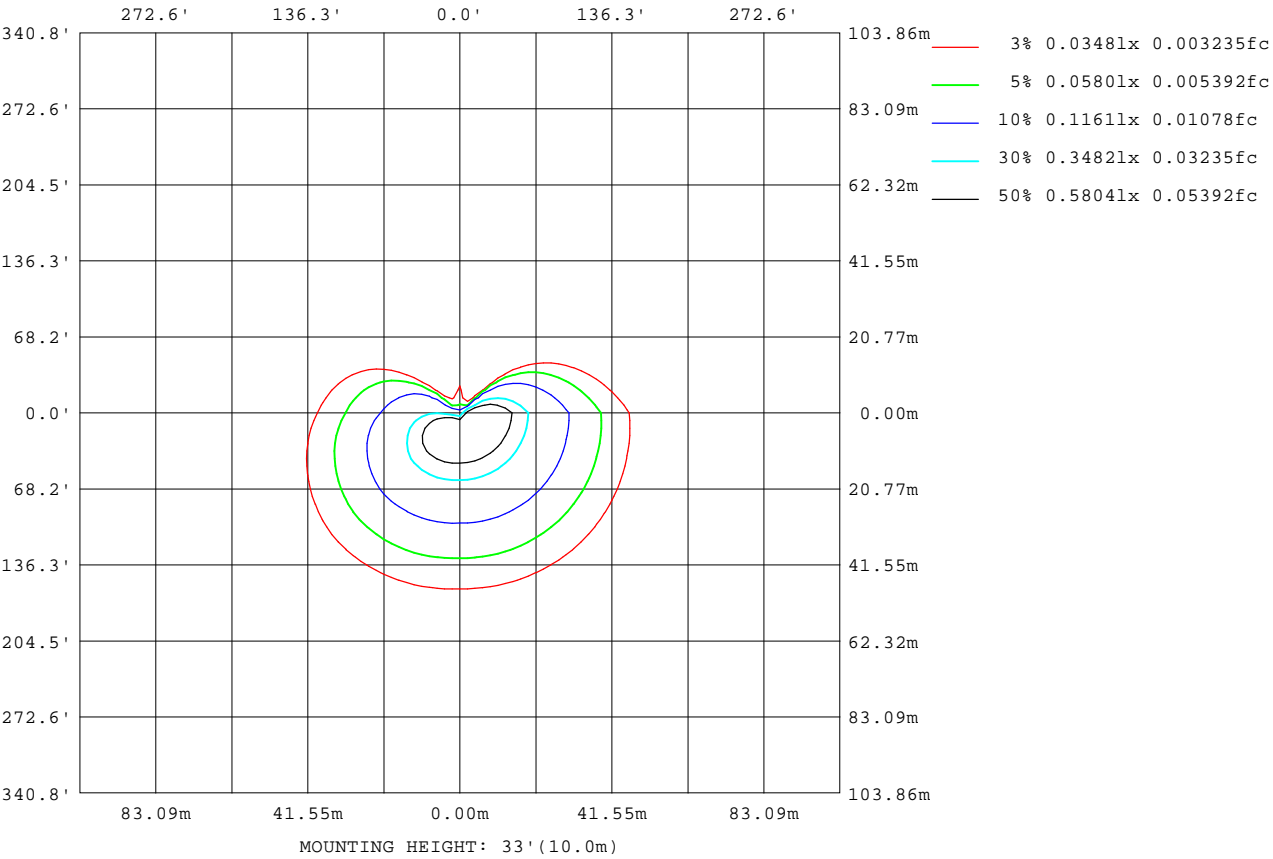
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

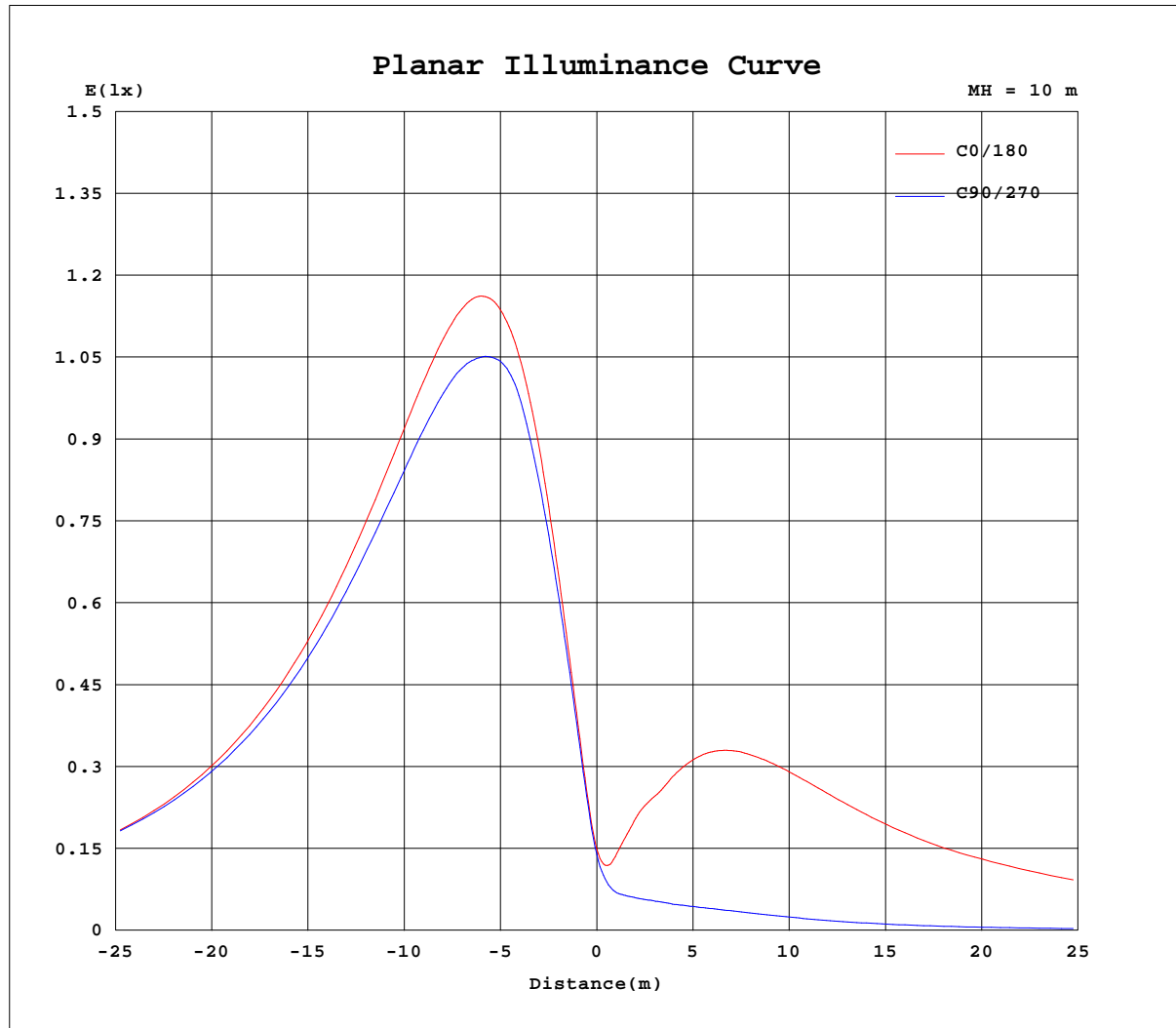
AvgL	cd/m2
L_0~180(65)av	8422
L_0~180(75)av	16227
L_0~180(85)av	51777
L_90~270(65)av	5752
L_90~270(75)av	11024
L_90~270(85)av	36729
L_45(65)av	5837
L_45(75)av	11208
L_45(85)av	37306

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: JYH  
Test Date:

deg Range: 0 - 180DEG  
Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	14.9	14.7	14.4	14.3	14.1	13.9	13.8	13.7	13.6	13.5	13.5	13.6	13.6	13.6	13.7	13.8	13.8	13.9	13.9
5	35.5	35.3	35.0	34.8	34.7	34.5	34.4	34.2	34.1	34.0	34.0	34.0	33.9	33.9	33.9	33.9	33.9	33.9	33.9
10	62.1	61.7	61.3	60.9	60.6	60.3	60.0	59.7	59.5	59.3	59.2	59.0	59.0	58.9	58.8	58.8	58.7	58.7	58.7
15	90.9	90.1	89.4	88.8	88.1	87.6	87.1	86.6	86.2	85.8	85.5	85.3	85.1	84.9	84.8	84.7	84.6	84.5	84.5
20	120	119	118	117	117	116	115	115	114	113	113	113	113	112	112	112	112	112	112
25	150	148	147	146	145	144	143	142	141	141	140	140	139	139	139	139	138	138	138
30	179	177	175	173	171	170	168	167	166	165	164	163	163	163	162	162	162	162	162
35	207	205	202	200	198	196	195	193	192	191	190	189	189	188	188	188	187	187	187
40	234	232	229	227	225	223	221	220	218	217	216	215	215	214	214	214	213	213	213
45	260	258	255	253	251	249	248	246	244	243	242	241	241	240	239	239	239	238	238
50	284	282	280	278	276	274	273	271	270	268	267	266	266	265	264	264	263	263	263
55	306	304	302	301	299	298	296	295	294	293	292	291	290	289	289	288	288	287	287
60	325	324	323	322	321	320	319	318	317	317	316	315	314	313	312	312	311	311	310
65	342	342	342	342	342	341	341	341	340	340	339	338	338	337	336	335	334	334	333
70	356	357	359	361	362	363	364	365	365	365	364	364	363	362	361	360	360	359	
75	365	371	376	381	385	389	392	395	397	399	399	399	398	397	396	395	394	393	392
80	371	381	390	398	405	411	417	422	426	429	430	430	430	429	428	427	425	424	422
85	373	386	397	407	416	425	432	438	443	447	449	449	449	448	447	445	444	442	440
90	373	385	397	407	417	425	433	439	445	449	450	451	451	450	449	447	445	443	441
95	366	379	391	401	411	420	428	434	440	444	446	447	447	446	444	443	441	439	437
100	349	362	374	385	395	404	411	418	424	428	430	430	430	430	428	427	425	423	421
105	326	339	351	362	372	381	389	396	401	406	407	408	408	407	406	404	403	401	399
110	299	312	324	335	345	354	361	368	373	378	380	380	380	379	378	376	375	373	371
115	275	287	298	309	318	326	333	340	345	349	351	351	351	350	348	347	345	343	341
120	250	262	272	282	291	299	306	312	317	321	322	323	323	322	321	319	317	315	314
125	226	238	248	257	266	273	280	286	291	295	296	297	297	296	295	294	292	291	289
130	203	214	224	233	241	249	255	261	265	269	271	271	271	271	270	269	268	266	265
135	181	191	200	208	216	223	229	234	238	242	243	244	244	244	243	242	240	239	238
140	159	168	177	184	191	197	203	208	212	215	216	217	217	217	216	215	214	213	212
145	139	147	154	161	167	172	177	181	185	188	189	190	190	190	189	189	188	187	186
150	120	126	133	138	144	148	152	156	159	161	162	163	163	163	162	162	161	160	159
155	100	106	111	116	120	124	127	130	133	135	135	136	136	136	135	135	134	133	133
160	80.0	84.5	88.7	92.5	96.0	99.1	102	104	106	108	109	109	109	109	109	108	108	107	107
165	59.8	63.3	66.5	69.4	72.0	74.4	76.5	78.3	79.9	81.1	81.7	81.9	82.0	81.9	81.7	81.4	81.0	80.6	80.2
170	40.0	42.5	44.8	46.8	48.7	50.4	51.9	53.2	54.3	55.2	55.6	55.8	55.8	55.8	55.6	55.4	55.1	54.8	54.5
175	22.6	23.8	24.9	26.0	26.9	27.8	28.5	29.2	29.7	30.2	30.3	30.4	30.4	30.4	30.3	30.2	30.1	29.9	29.7
180	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Table--2

UNIT: cd

C(DEC) g (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	13.9	13.8	13.8	13.8	13.7	13.7	13.7	13.6	13.7	13.8	13.9	14.1	14.3	14.4	14.6	14.7	14.8	14.9	14.8
5	34.3	34.5	34.8	34.9	35.0	34.9	34.6	34.1	33.4	31.5	29.4	27.2	24.8	22.4	20.0	17.6	15.3	13.1	11.9
10	59.3	59.9	60.4	60.7	60.8	60.7	60.2	59.4	58.2	54.6	50.7	46.5	42.0	37.5	32.9	28.3	23.9	19.7	17.2
15	85.5	86.4	87.1	87.7	87.9	87.7	87.1	85.9	84.1	78.7	72.8	66.4	59.8	52.9	45.9	39.1	32.4	26.1	22.3
20	113	114	115	116	117	116	115	114	111	104	96.0	87.3	78.2	68.8	59.4	50.0	41.0	32.4	27.3
25	140	141	143	144	144	144	143	141	137	129	119	108	97.0	85.6	74.0	62.6	51.5	40.9	34.5
30	164	166	167	168	169	169	167	165	162	152	140	128	115	102	88.7	75.4	62.5	50.1	43.0
35	190	192	194	195	196	196	194	192	188	176	163	150	135	120	104	89.1	74.2	59.9	52.2
40	216	218	220	222	223	222	221	218	214	201	187	171	155	138	121	103	86.7	70.6	62.0
45	241	244	246	248	249	249	247	244	240	226	210	193	175	156	137	119	100	82.2	72.8
50	266	269	272	273	274	274	273	270	265	250	233	215	195	175	155	135	115	95.1	84.5
55	290	293	296	298	299	299	297	294	289	273	256	237	216	195	174	152	131	110	98.2
60	314	317	320	322	323	323	321	318	313	297	279	260	239	217	195	173	150	128	115
65	337	340	343	345	347	347	345	342	337	322	305	287	267	245	224	201	179	156	140
70	363	366	369	372	373	373	372	370	365	351	335	318	299	279	258	236	213	190	171
75	396	399	403	405	407	407	406	404	399	386	371	353	335	314	293	270	247	223	200
80	426	430	433	436	437	438	437	434	429	416	401	383	364	344	322	298	274	248	223
85	444	447	451	453	455	455	454	451	446	433	417	399	379	357	334	310	285	258	231
90	445	449	452	454	456	457	455	453	448	434	419	401	382	360	338	314	288	262	233
95	440	444	447	450	452	452	451	448	443	431	415	398	379	359	337	313	288	262	233
100	424	428	431	433	435	435	435	432	428	416	402	387	369	350	330	308	285	260	230
105	402	405	408	410	412	412	412	410	406	396	384	370	355	338	319	299	278	255	226
110	373	376	379	381	382	383	383	381	378	369	360	348	335	320	304	287	268	247	219
115	343	346	348	350	351	352	351	350	347	341	333	324	313	300	287	272	255	237	211
120	316	318	320	322	323	323	323	322	320	314	308	300	291	281	269	255	241	224	200
125	291	293	295	296	298	298	298	297	295	291	285	278	270	261	250	238	225	210	187
130	266	268	270	271	272	273	273	272	270	266	262	256	248	240	231	220	208	194	174
135	239	241	243	244	245	245	245	245	243	240	236	231	225	217	209	200	189	177	158
140	213	215	216	217	218	219	219	218	217	214	210	206	201	194	187	179	169	159	142
145	187	188	189	190	191	192	192	191	190	188	184	181	176	170	164	157	149	140	125
150	160	161	162	163	164	164	164	164	163	161	158	155	151	146	141	135	128	120	108
155	134	135	135	136	137	137	137	137	136	134	132	129	126	122	118	113	107	100	90.5
160	107	108	109	109	110	110	110	110	109	108	106	104	101	98.0	94.4	90.4	85.9	80.9	73.1
165	80.7	81.3	81.8	82.3	82.6	82.8	82.8	82.7	82.2	81.2	79.8	78.2	76.2	73.9	71.3	68.4	65.1	61.5	55.9
170	54.9	55.3	55.7	56.0	56.3	56.4	56.5	56.4	56.1	55.3	54.4	53.2	51.9	50.3	48.6	46.6	44.5	42.1	38.7
175	30.0	30.2	30.4	30.5	30.7	30.8	30.8	30.8	30.7	30.2	29.7	29.0	28.3	27.5	26.6	25.7	24.7	23.6	22.2
180	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	14.7	14.5	14.4	14.2	14.0	13.8	13.7	13.5	13.5	13.6	13.6	13.6	13.7	13.8	13.8	13.9	13.9	13.9	13.8
5	10.8	9.91	9.14	8.50	7.98	7.57	7.27	7.05	6.90	6.82	6.80	6.83	6.91	7.01	7.14	7.28	7.42	6.91	6.43
10	15.0	13.0	11.3	9.90	8.69	7.69	6.90	6.28	5.88	5.63	5.51	5.51	5.59	5.75	5.96	6.21	6.48	5.47	4.54
15	19.0	16.1	13.5	11.4	9.57	8.09	6.90	5.98	5.38	5.00	4.90	4.92	4.94	5.14	5.46	5.82	6.22	4.68	3.27
20	23.3	20.2	17.0	13.7	10.5	8.57	7.05	5.89	5.08	4.57	4.54	4.55	4.57	4.71	5.11	5.58	6.08	4.01	2.10
25	30.5	26.5	22.2	17.9	13.6	9.73	7.60	5.93	4.86	4.22	4.24	4.26	4.27	4.31	4.83	5.44	6.10	3.50	1.78
30	38.4	33.4	28.1	22.6	17.2	11.9	8.37	6.09	4.74	3.94	3.97	3.98	4.00	4.04	4.69	5.46	6.30	3.17	2.24
35	46.7	40.6	34.2	27.6	21.0	14.5	9.32	6.41	4.75	3.72	3.74	3.76	3.77	3.86	4.64	5.57	6.57	2.94	2.76
40	55.5	48.2	40.6	32.7	24.9	17.2	10.3	6.69	4.72	3.56	3.58	3.59	3.59	3.63	4.55	5.65	6.84	3.23	3.22
45	65.0	56.6	47.6	38.3	29.1	20.0	11.4	6.87	4.54	3.42	3.43	3.44	3.44	3.44	4.32	5.61	7.01	3.55	3.54
50	75.5	65.6	55.2	44.4	33.5	22.9	12.9	6.88	4.15	3.27	3.28	3.28	3.29	3.29	3.86	5.36	6.99	3.70	3.69
55	87.7	76.2	64.0	51.4	38.7	26.4	14.6	6.97	3.77	3.17	3.17	3.18	3.18	3.18	3.38	5.13	7.02	3.84	3.83
60	103	89.2	74.8	60.0	45.1	30.5	16.6	6.91	3.13	3.12	3.12	3.13	3.14	3.14	3.14	4.74	6.98	3.82	3.81
65	126	109	91.3	73.1	54.7	36.7	19.6	6.87	3.09	3.10	3.11	3.12	3.13	3.13	3.14	4.21	6.95	3.79	3.78
70	153	133	111	88.6	66.2	44.1	23.1	6.95	3.14	3.14	3.14	3.15	3.15	3.15	3.16	3.63	6.98	3.80	3.78
75	179	155	129	103	76.9	51.1	26.5	7.22	3.28	3.28	3.28	3.28	3.29	3.30	3.30	3.37	7.32	3.98	3.96
80	199	172	143	114	85.0	56.3	29.1	7.72	3.59	3.58	3.57	3.57	3.57	3.57	3.58	3.59	7.78	4.16	4.15
85	205	178	148	118	87.7	58.2	30.2	8.38	3.90	3.86	3.84	3.83	3.83	3.84	3.85	3.86	8.36	4.45	4.43
90	207	179	149	119	88.4	58.7	30.5	9.03	4.34	4.26	4.21	4.19	4.18	4.18	4.20	4.26	8.88	4.61	4.60
95	207	179	149	119	88.2	58.4	30.3	8.62	4.24	4.15	4.08	4.04	4.02	4.02	4.03	4.05	8.44	4.34	4.33
100	205	177	148	117	87.0	57.5	29.8	8.07	4.13	4.03	3.96	3.92	3.90	3.90	3.91	3.93	7.79	3.81	3.80
105	200	173	144	114	84.3	55.2	28.3	6.57	4.06	3.97	3.90	3.85	3.83	3.83	3.84	3.86	6.28	2.37	2.35
110	194	167	139	110	81.3	53.1	27.1	5.75	3.83	3.74	3.67	3.64	3.62	3.63	3.65	3.68	5.49	1.77	1.76
115	186	160	133	105	77.7	50.7	26.2	5.45	3.85	3.78	3.74	3.72	3.73	3.74	3.77	3.81	5.31	1.46	1.47
120	176	152	126	99.8	73.5	48.0	25.4	5.63	4.06	3.98	3.93	3.89	3.88	3.87	3.88	3.90	5.42	1.49	1.49
125	165	142	118	93.6	69.1	45.2	24.4	5.86	3.93	3.86	3.80	3.77	3.75	3.75	3.76	3.78	5.66	1.84	1.82
130	152	131	109	86.8	64.3	42.4	23.4	6.28	3.71	3.63	3.58	3.54	3.52	3.52	3.53	3.55	6.03	2.45	2.44
135	139	120	100.0	79.6	59.3	39.7	22.5	6.96	3.48	3.41	3.36	3.32	3.31	3.31	3.32	3.62	6.71	3.49	3.33
140	125	108	90.2	72.2	54.1	37.0	21.7	7.97	3.29	3.23	3.18	3.15	3.14	3.13	3.14	4.97	7.69	4.87	4.50
145	110	95.4	80.1	64.4	48.8	34.2	21.0	9.04	4.96	3.08	3.04	3.02	3.00	3.00	4.28	6.46	8.81	6.40	5.81
150	95.1	82.5	69.5	56.2	43.0	30.9	19.7	9.60	6.16	3.93	2.97	2.96	3.00	4.11	5.66	7.52	9.53	7.50	6.60
155	80.1	69.4	58.8	47.9	37.4	27.6	18.4	10.2	7.36	5.53	4.57	4.36	4.76	5.66	6.93	8.45	10.1	8.42	7.23
160	65.0	56.7	48.3	40.0	31.9	24.3	17.2	10.8	8.60	7.18	6.44	6.27	6.59	7.28	8.27	9.45	10.7	9.43	8.24
165	50.0	44.1	38.0	32.1	26.3	20.9	15.8	11.2	9.66	8.64	8.11	7.98	8.20	8.70	9.40	10.2	11.1	10.2	9.40
170	35.1	31.4	27.7	24.1	20.6	17.3	14.2	11.5	10.5	9.89	9.56	9.49	9.62	9.92	10.4	10.9	11.4	10.9	10.4
175	20.8	19.4	18.0	16.6	15.2	14.0	12.9	11.8	11.5	11.2	11.1	11.1	11.2	11.3	11.5	11.7	11.9	11.7	11.5
180	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.650A P:39.60W PF:1.000 Freq:0Hz Lamp Flux:1075.97x2 lm		
NAME: AH5060-15W90合成	TYPE:	WEIGHT:
SPEC.:AH5060-15W90合成	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	13.8	13.8	13.7	13.7	13.7	13.6	13.7	13.7	13.8	13.9	14.0	14.2	14.3	14.5	14.7				
5	6.02	5.72	5.58	5.63	5.91	6.45	7.31	9.04	11.1	13.6	16.3	19.5	22.9	26.8	31.0				
10	3.77	3.22	2.97	3.10	3.69	4.81	6.55	9.98	14.1	18.9	24.4	30.6	37.4	45.0	53.2				
15	2.08	1.24	1.19	1.18	1.95	3.66	6.29	11.5	17.8	25.1	33.5	42.9	53.3	64.8	77.3				
20	1.44	1.42	1.41	1.41	1.41	2.64	6.20	13.3	21.7	31.6	42.9	55.5	69.6	85.1	102				
25	1.77	1.76	1.76	1.77	1.78	1.82	6.30	15.2	25.8	38.2	52.4	68.3	86.0	106	127				
30	2.23	2.23	2.23	2.24	2.25	2.27	6.52	17.2	29.9	44.8	61.8	81.0	102	126	151				
35	2.76	2.76	2.77	2.78	2.80	2.83	6.86	19.2	34.1	51.4	71.2	93.5	118	145	175				
40	3.21	3.21	3.21	3.21	3.23	3.25	7.05	21.1	38.0	57.6	80.1	105	133	164	198				
45	3.53	3.53	3.52	3.53	3.54	3.56	7.16	22.8	41.5	63.4	88.4	116	148	182	220				
50	3.68	3.68	3.68	3.68	3.70	3.72	7.13	24.2	44.8	68.7	96.0	127	161	199	240				
55	3.81	3.81	3.80	3.81	3.82	3.83	7.09	25.5	47.7	73.5	103	136	173	214	258				
60	3.80	3.80	3.80	3.80	3.82	3.84	7.04	26.7	50.3	77.8	109	145	184	227	274				
65	3.78	3.78	3.78	3.80	3.82	3.85	7.03	27.7	52.5	81.5	115	152	193	239	288				
70	3.77	3.77	3.77	3.79	3.82	3.86	7.08	28.6	54.4	84.5	119	158	201	248	300				
75	3.95	3.95	3.95	3.96	3.99	4.03	7.40	29.5	56.0	87.0	122	162	206	255	308				
80	4.14	4.14	4.14	4.16	4.20	4.25	7.84	30.3	57.2	88.6	125	165	210	259	313				
85	4.42	4.41	4.41	4.43	4.46	4.52	8.40	30.9	58.0	89.5	126	166	211	261	315				
90	4.59	4.59	4.60	4.63	4.67	4.73	8.99	31.5	58.4	89.9	126	166	211	261	314				
95	4.32	4.32	4.33	4.34	4.37	4.42	8.57	30.6	57.1	87.9	123	163	207	255	308				
100	3.80	3.81	3.83	3.86	3.90	3.96	8.04	29.1	54.4	83.8	117	155	197	244	294				
105	2.34	2.34	2.36	2.38	2.43	2.49	6.47	26.2	49.9	77.5	109	145	184	227	275				
110	1.76	1.77	1.78	1.80	1.83	1.86	5.63	23.8	45.5	70.9	100.0	133	169	209	252				
115	1.47	1.48	1.50	1.52	1.54	1.57	5.36	22.0	41.9	65.2	91.8	122	155	191	231				
120	1.49	1.49	1.49	1.50	1.51	1.53	5.47	20.6	38.7	59.8	84.0	111	141	175	211				
125	1.80	1.78	1.76	1.75	1.73	1.71	5.52	19.1	35.5	54.6	76.4	101	128	158	191				
130	2.43	2.41	2.40	2.37	2.35	2.32	5.87	18.0	32.7	49.7	69.2	91.1	116	142	172				
135	3.31	3.29	3.26	3.23	3.19	3.14	6.47	17.2	30.1	45.2	62.4	81.7	103	127	153				
140	4.49	4.46	4.43	4.38	4.33	4.26	7.37	16.7	27.9	41.0	56.0	72.9	91.6	112	135				
145	5.81	5.79	5.77	5.73	5.67	5.60	8.57	16.6	26.2	37.5	50.4	64.8	80.9	98.6	118				
150	6.60	6.60	6.60	6.58	6.54	6.49	9.41	16.2	24.4	33.9	44.8	57.1	70.7	85.7	102				
155	7.23	7.22	7.21	7.20	7.17	7.17	9.97	15.5	22.2	30.1	39.0	49.0	60.2	72.5	85.9				
160	7.98	7.97	7.97	7.95	7.93	8.42	10.6	14.8	20.0	26.0	32.8	40.5	49.1	58.5	68.8				
165	8.72	8.72	8.71	8.70	8.69	9.53	11.0	14.0	17.7	21.9	26.7	32.1	38.1	44.8	52.0				
170	9.97	9.67	9.52	9.58	9.87	10.4	11.3	13.1	15.2	17.7	20.5	23.7	27.3	31.1	35.4				
175	11.3	11.2	11.1	11.1	11.2	11.4	11.7	12.4	13.2	14.1	15.2	16.4	17.7	19.2	20.8				
180	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks: