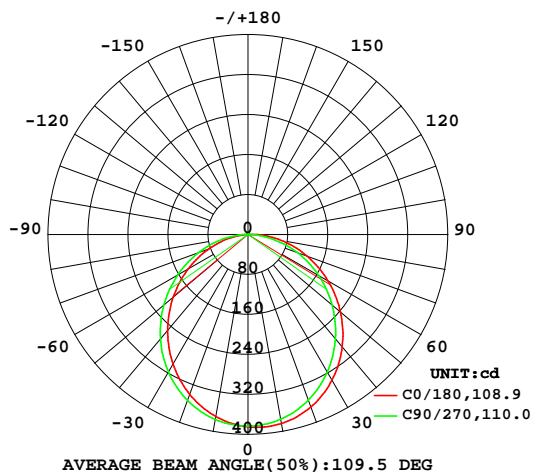


LUMINAIRE PHOTOMETRIC TEST REPORT

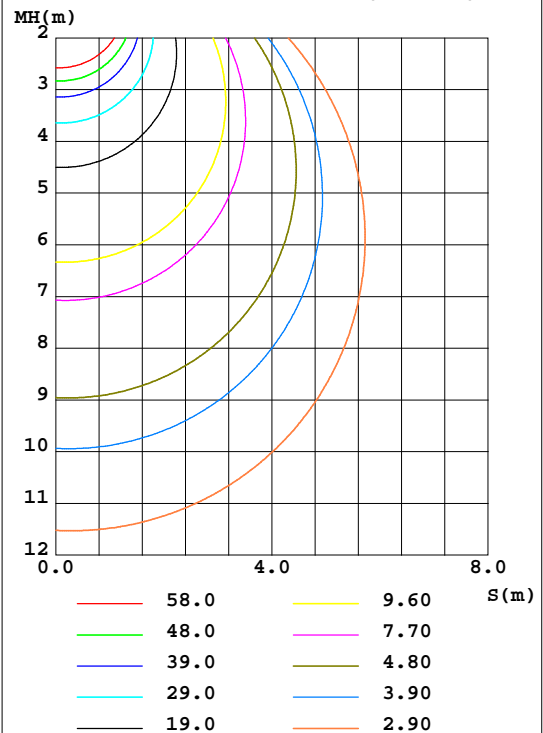
Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.83 lm/W			
MODEL	AH5060-15A90下	I _{max} (cd)	386.5	S/MH(C0/180)	1.17
NOMINAL POWER(W)	21.12	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1094.7	h UP,DN(C0-180)	0.7,50.7
NOMINAL FLUX(lm)	1094.65	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.6,48.0
LAMPS INSIDE	1	h up(%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	98.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-04-08

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

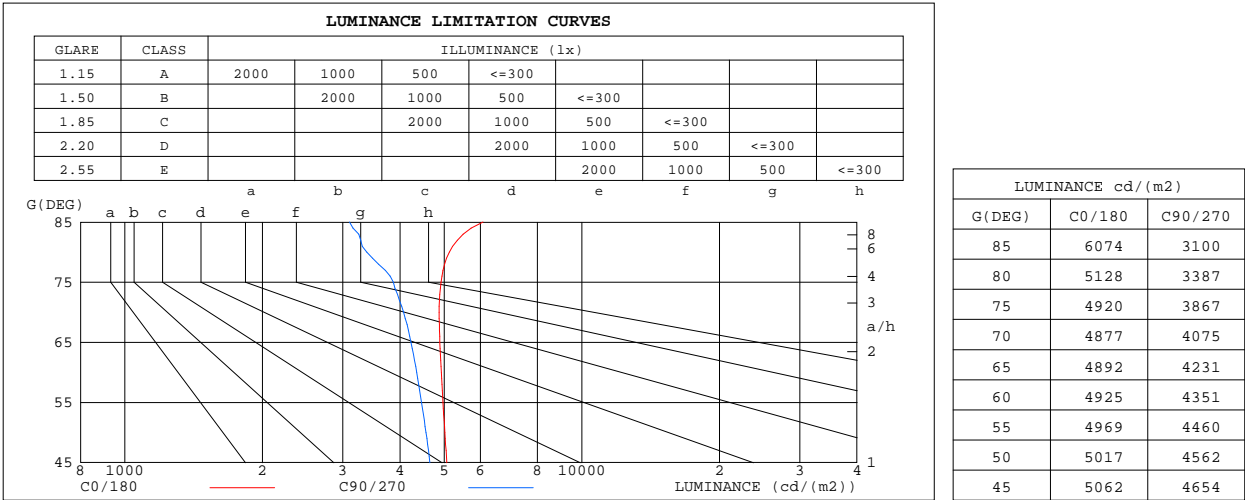
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	384.1	383.1	375.6	370.2	369.9	371.2	375.9	382.2	0~ 10	36.31	36.31	3.32,3.32
20	367.5	365.9	353.0	342.3	340.6	343.2	353.5	364.9	10~ 20	103.5	139.8	12.8,12.8
30	336.5	334.8	317.7	302.6	299.7	303.4	318.2	333.6	20~ 30	155.5	295.3	27,27
40	293.4	292.1	272.4	254.3	250.3	254.8	272.7	290.8	30~ 40	185.5	480.8	43.9,43.9
50	241.9	240.8	219.9	200.2	195.6	200.4	219.8	239.2	40~ 50	190.4	671.2	61.3,61.3
60	184.7	183.3	163.2	143.3	138.5	143.2	162.6	182.2	50~ 60	171.2	842.4	77,77
70	125.1	122.1	104.5	86.18	82.23	86.13	104.1	122.7	60~ 70	132.0	974.4	89,89
80	66.79	63.96	44.11	31.68	30.03	32.49	47.91	64.61	70~ 80	79.75	1054	96.3,96.3
90	16.78	13.89	2.320	0.8663	0.9259	0.6067	1.239	12.65	80~ 90	26.45	1081	98.7,98.7
100	0.8282	0.8817	0.8413	1.263	1.049	0.8615	0.5680	0.5337	90~100	2.131	1083	98.9,98.9
110	1.068	1.123	1.275	1.891	1.792	1.522	1.250	0.9485	100~110	1.154	1084	99,99
120	1.562	1.611	1.823	2.251	2.459	1.977	1.864	1.542	110~120	1.613	1085	99.2,99.2
130	2.123	2.118	2.397	2.546	2.779	2.330	2.426	2.110	120~130	1.902	1087	99.3,99.3
140	2.845	2.619	2.784	2.966	2.986	2.851	2.819	2.631	130~140	1.995	1089	99.5,99.5
150	3.607	3.087	3.125	3.587	3.286	3.500	3.226	3.118	140~150	1.918	1091	99.7,99.7
160	4.501	3.668	3.747	4.109	3.581	4.061	3.976	3.899	150~160	1.667	1093	99.8,99.8
170	5.110	4.549	4.608	4.750	4.249	4.775	4.783	4.668	160~170	1.209	1094	100,100
180	5.551	5.470	5.237	5.564	5.557	5.457	5.243	5.557	170~180	0.4737	1095	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:



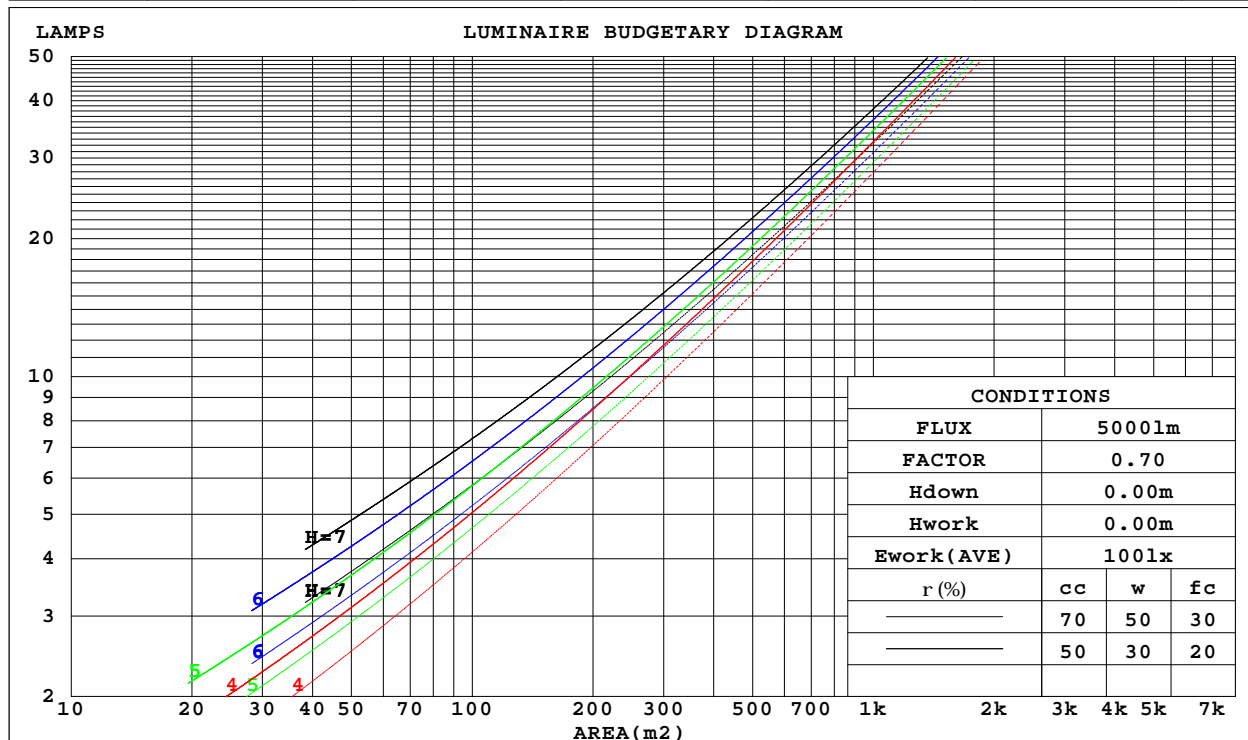
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding 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															



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	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	.316	.180	.057	.308	.176	.056	.294	.169	.054	.282	.162	.052	.270	.156	.050															
2.0	.295	.161	.050	.288	.159	.049	.276	.153	.048	.264	.148	.046	.254	.143	.045															
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.244	.134	.041	.235	.130	.040															
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.217	.118	.036															
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032															
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029															
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027															
8.0	.186	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025															
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023															
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.021															

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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.142	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.156	.122	.093	.107	.084	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.124	.084	.150	.107	.073	.103	.074	.051	.059	.044	.030	.019	.014	.010	
4.0	.167	.111	.068	.143	.096	.059	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.057	.137	.087	.050	.094	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.152	.092	.049	.131	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
7.0	.146	.085	.043	.125	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.139	.080	.039	.120	.069	.034	.083	.049	.024	.048	.029	.014	.016	.009	.005	
9.0	.133	.075	.035	.115	.065	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.127	.070	.033	.110	.061	.028	.076	.043	.020	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm										
NAME: AH5060-15A90下					TYPE:			WEIGHT:		
SPEC.:AH5060-15A90下					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	18.4	19.9	18.7	20.1	20.4	17.9	19.5	18.2	19.7	19.9
	20.1	21.5	20.4	21.8	22.0	19.5	20.9	19.8	21.2	21.4
	20.9	22.2	21.2	22.5	22.8	20.2	21.5	20.5	21.8	22.0
	21.6	22.8	21.9	23.1	23.4	20.6	21.9	21.0	22.1	22.5
	21.9	23.1	22.2	23.4	23.7	20.8	22.0	21.1	22.3	22.6
	22.1	23.3	22.5	23.6	24.0	20.8	22.0	21.2	22.3	22.7
4H	2H	19.0	20.4	19.4	20.6	20.9	18.7	20.0	19.0	20.3
	3H	21.0	22.1	21.3	22.4	22.8	20.5	21.6	20.8	21.9
	4H	21.9	23.0	22.3	23.3	23.7	21.2	22.3	21.6	22.7
	6H	22.7	23.7	23.2	24.1	24.4	21.8	22.8	22.3	23.2
	8H	23.1	24.0	23.5	24.4	24.8	22.1	22.9	22.5	23.3
	12H	23.5	24.3	23.9	24.7	25.1	22.2	23.0	22.7	23.4
8H	4H	22.2	23.1	22.7	23.5	23.9	21.7	22.5	22.1	22.9
	6H	23.3	24.0	23.7	24.4	24.9	22.5	23.2	22.9	23.6
	8H	23.8	24.4	24.2	24.9	25.3	22.8	23.4	23.3	23.9
	12H	24.3	24.8	24.7	25.3	25.8	23.1	23.6	23.6	24.1
12H	4H	22.2	23.1	22.7	23.5	23.9	21.7	22.5	22.2	22.9
	6H	23.4	24.0	23.8	24.5	24.9	22.6	23.3	23.1	23.7
	8H	23.9	24.5	24.4	25.0	25.5	23.0	23.6	23.5	24.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1095 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

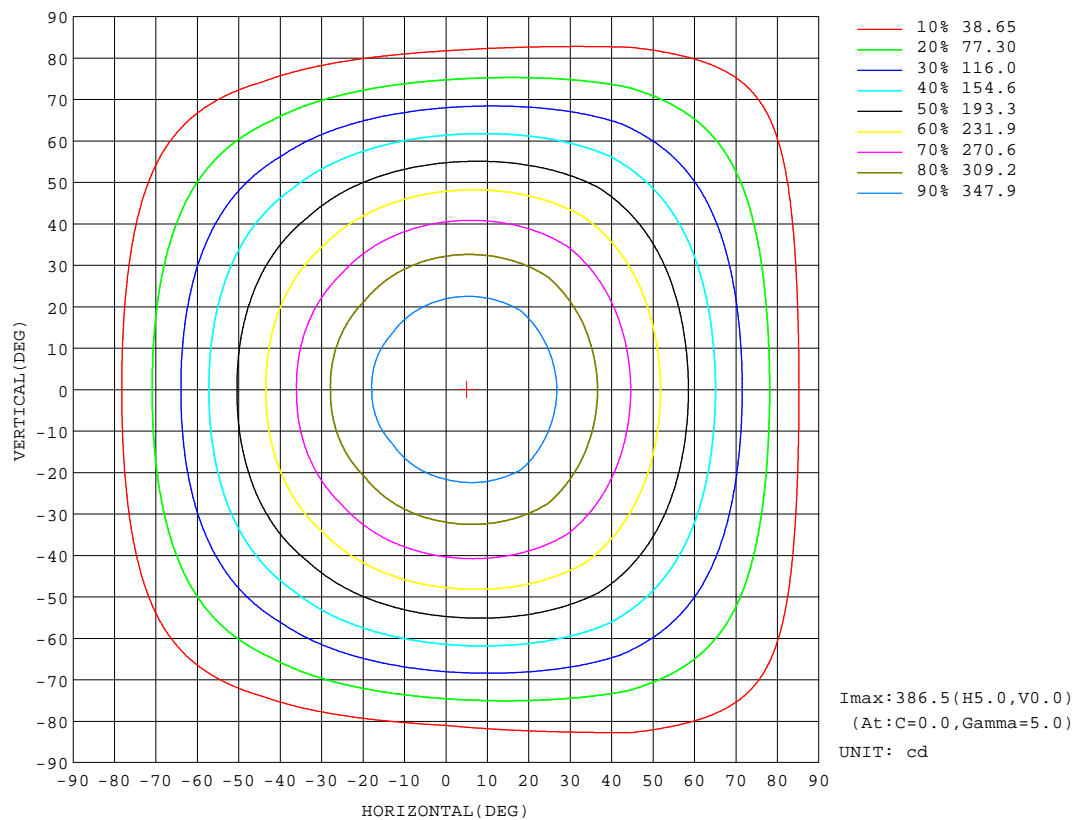
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	82	75	69	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:



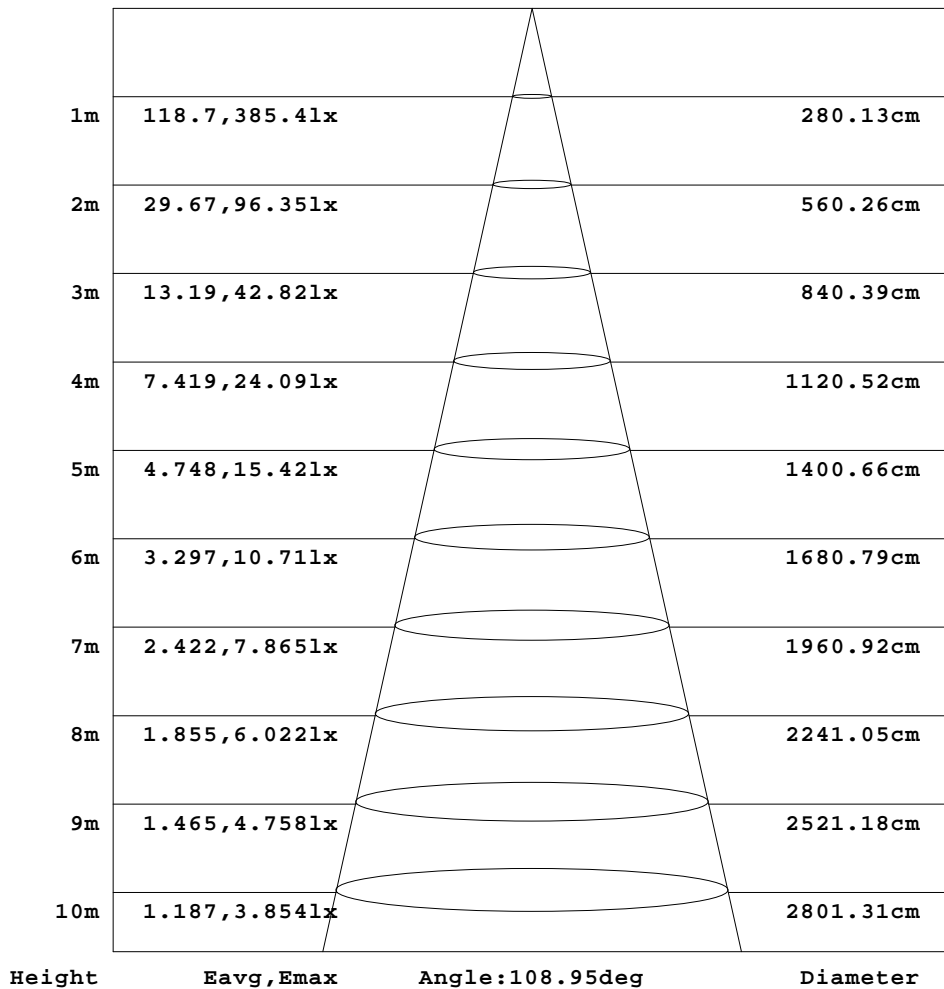
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2020-04-08

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Flux out:760.6 lm



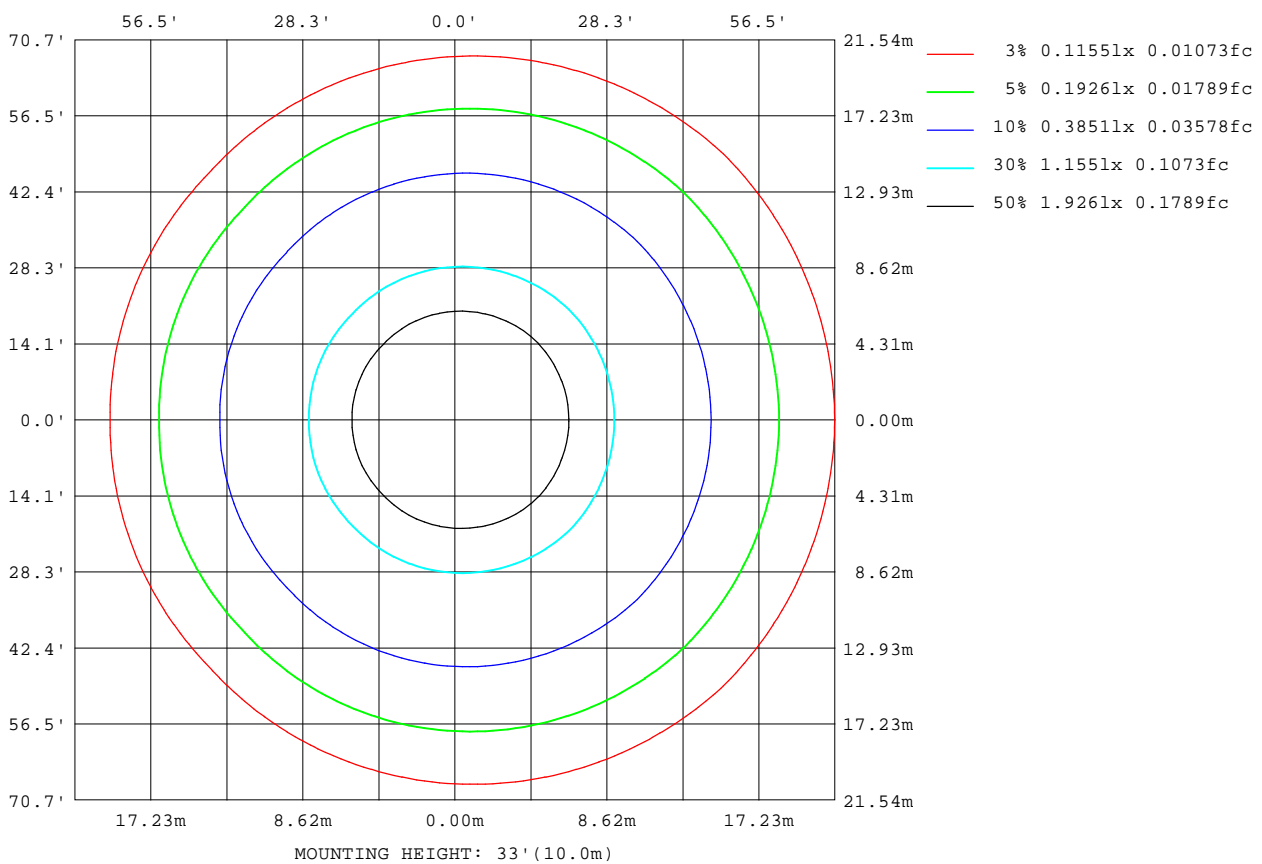
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

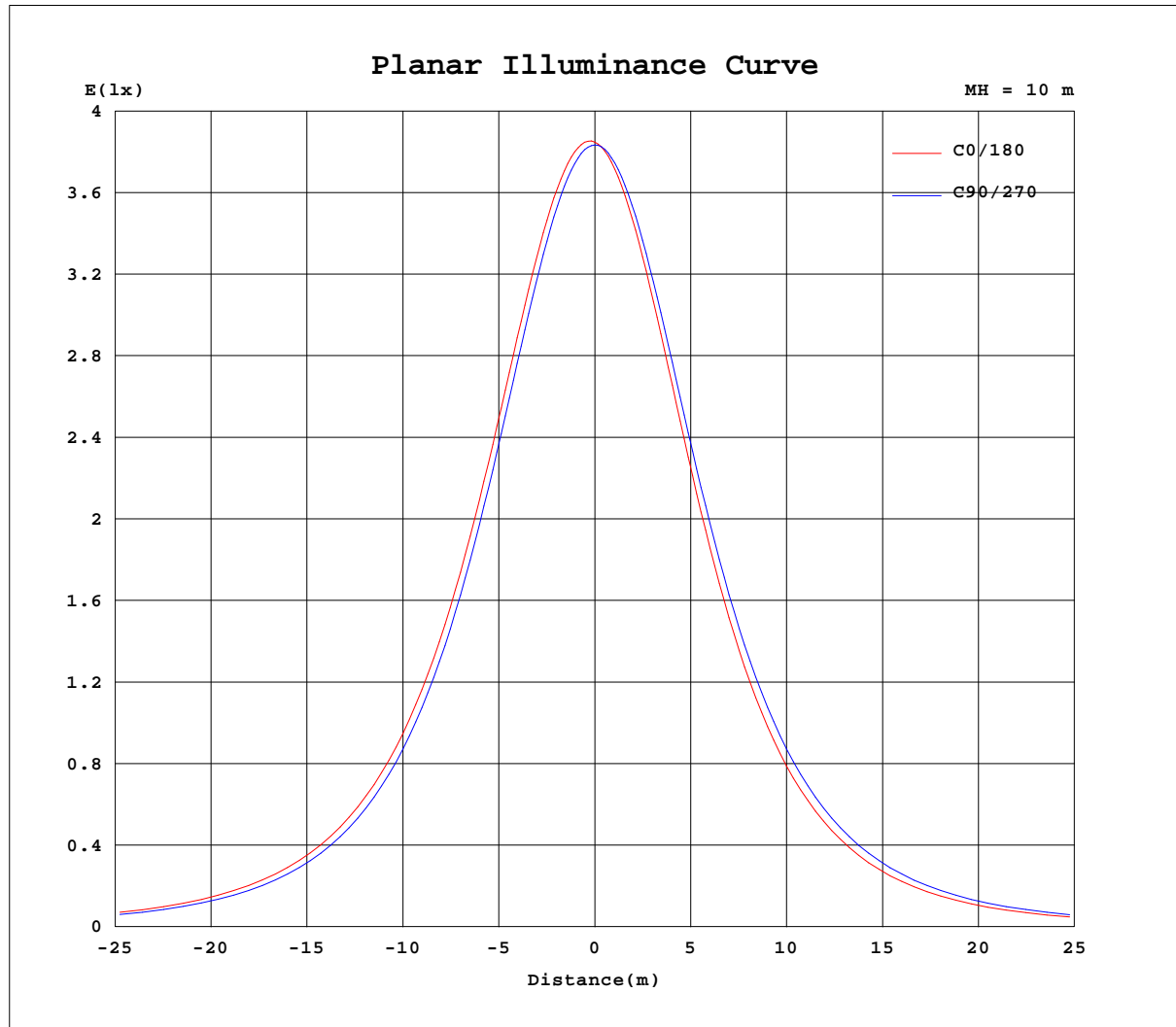
AvgL	cd/m2
L_0~180(65)av	4181
L_0~180(75)av	3887
L_0~180(85)av	3754
L_90~270(65)av	4217
L_90~270(75)av	3881
L_90~270(85)av	3172
L_45(65)av	4211
L_45(75)av	3895
L_45(85)av	3590

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2020-04-08

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.8800A P:21.12W PF:1.000 Freq:0Hz Lamp Flux:1094.65x1 lm		
NAME: AH5060-15A90下	TYPE:	WEIGHT:
SPEC.:AH5060-15A90下	DIM.: 1500*50*60	SERIAL No.:
MFR.: COLORS	SUR.:1500*50	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	385	385	383	384	385	385	383	384										
5	387	386	381	379	379	380	382	385										
10	384	383	376	370	370	371	376	382										
15	378	376	366	358	357	359	366	375										
20	368	366	353	342	341	343	354	365										
25	354	352	337	324	321	325	337	351										
30	336	335	318	303	300	303	318	334										
35	316	315	296	279	276	280	297	313										
40	293	292	272	254	250	255	273	291										
45	268	267	247	228	223	228	247	266										
50	242	241	220	200	196	200	220	239										
55	214	213	192	172	167	172	192	211										
60	185	183	163	143	138	143	163	182										
65	155	153	134	114	110	114	133	153										
70	125	122	105	86.2	82.2	86.1	104	123										
75	95.5	92.3	75.1	58.2	55.4	58.7	75.6	93.2										
80	66.8	64.0	44.1	31.7	30.0	32.5	47.9	64.6										
85	39.7	38.1	20.3	8.93	9.37	9.78	21.2	37.1										
90	16.8	13.9	2.32	0.87	0.93	0.61	1.24	12.6										
95	2.94	2.11	0.88	0.96	0.73	0.61	0.36	0.75										
100	0.83	0.88	0.84	1.26	1.05	0.86	0.57	0.53										
105	0.91	0.96	1.02	1.63	1.39	1.23	0.89	0.73										
110	1.07	1.12	1.28	1.89	1.79	1.52	1.25	0.95										
115	1.29	1.36	1.56	2.08	2.16	1.77	1.58	1.24										
120	1.56	1.61	1.82	2.25	2.46	1.98	1.86	1.54										
125	1.82	1.86	2.10	2.42	2.67	2.12	2.14	1.83										
130	2.12	2.12	2.40	2.55	2.78	2.33	2.43	2.11										
135	2.46	2.38	2.64	2.72	2.89	2.56	2.64	2.42										
140	2.84	2.62	2.78	2.97	2.99	2.85	2.82	2.63										
145	3.18	2.85	2.95	3.27	3.19	3.19	3.01	2.89										
150	3.61	3.09	3.12	3.59	3.29	3.50	3.23	3.12										
155	4.05	3.37	3.35	3.87	3.39	3.84	3.61	3.43										
160	4.50	3.67	3.75	4.11	3.58	4.06	3.98	3.90										
165	4.90	4.09	4.21	4.39	3.82	4.35	4.39	4.24										
170	5.11	4.55	4.61	4.75	4.25	4.77	4.78	4.67										
175	5.32	5.06	4.98	5.27	4.65	5.23	5.08	5.14										
180	5.55	5.47	5.24	5.56	5.56	5.46	5.24	5.56										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-04-08

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks: