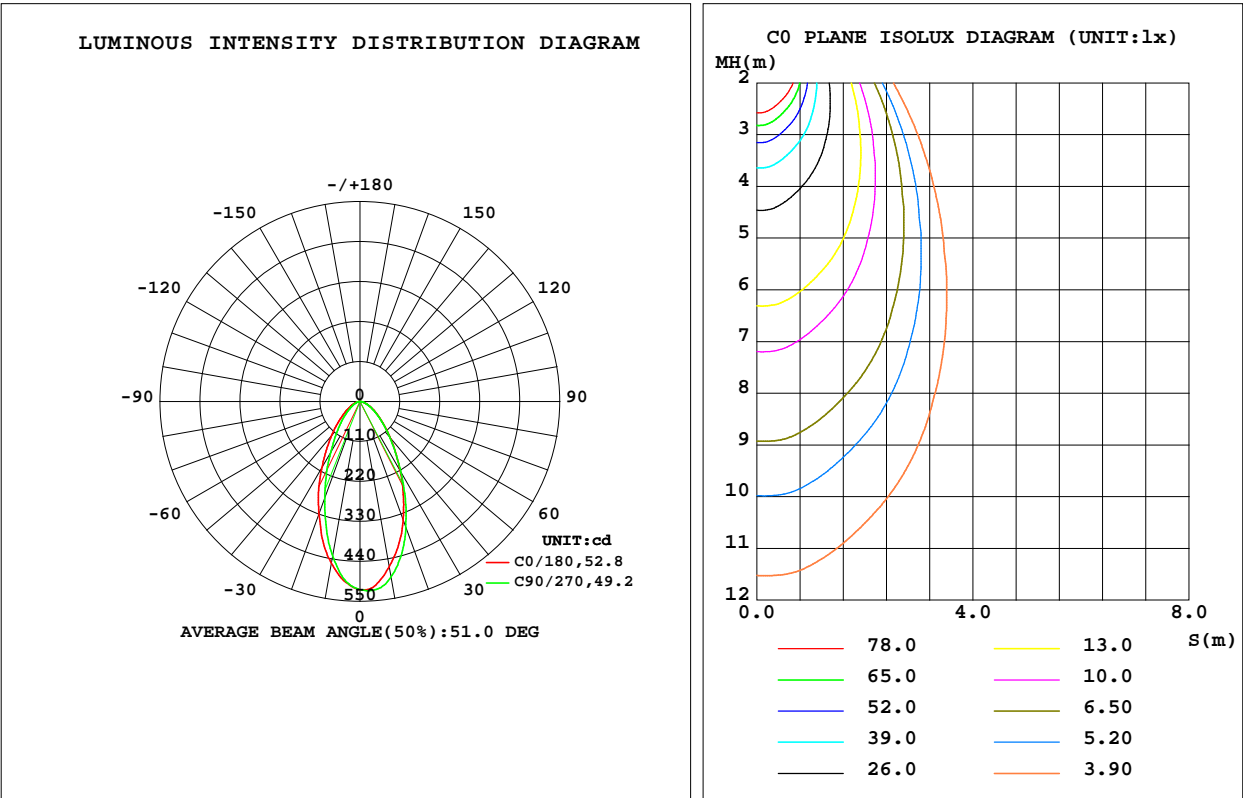


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 115.93 lm/W
MODEL	3000K	I _{max} (cd)	521.6	S/MH(C0/180)	0.77	
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.68	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	520.36	h UP,DN(C0-180)	0.0,54.4	
NOMINAL FLUX(lm)	520.361	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,45.6	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	0.85	



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [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	506.4	517.0	518.8	508.5	496.2	491.8	492.0	496.9	0- 5	12.21	12.21	2.35,2.35
10	462.3	485.2	491.2	474.9	452.4	437.9	432.1	440.8	5- 10	34.42	46.63	8.96,8.96
15	410.4	433.4	438.8	421.8	396.6	372.4	359.8	374.2	10- 15	50.95	97.58	18.8,18.8
20	348.5	366.4	369.4	354.3	330.8	301.3	284.7	302.9	15- 20	60.16	157.7	30.3,30.3
25	283.0	294.2	295.7	286.8	269.9	238.8	218.9	236.6	20- 25	62.25	220.0	42.3,42.3
30	222.4	227.3	226.9	221.8	210.2	181.2	161.9	178.5	25- 30	58.90	278.9	53.6,53.6
35	171.3	171.7	170.1	167.8	160.5	136.4	119.9	134.1	30- 35	51.98	330.9	63.6,63.6
40	129.8	129.2	127.6	126.5	121.5	101.9	88.32	99.75	35- 40	44.42	375.3	72.1,72.1
45	97.08	95.84	94.24	93.43	89.96	75.69	65.85	74.55	40- 45	36.89	412.2	79.2,79.2
50	71.98	71.39	70.22	69.22	66.13	55.06	47.56	54.40	45- 50	29.73	441.9	84.9,84.9
55	53.69	52.49	51.25	50.67	48.60	40.06	34.28	39.76	50- 55	23.52	465.4	89.4,89.4
60	39.33	37.81	36.64	36.50	35.37	29.02	24.66	28.82	55- 60	18.22	483.6	92.9,92.9
65	27.71	26.80	26.04	25.86	24.96	20.52	17.50	20.40	60- 65	13.72	497.4	95.6,95.6
70	18.36	18.09	17.73	17.51	16.75	13.76	11.73	13.59	65- 70	9.915	507.3	97.5,97.5
75	11.39	11.53	11.45	11.23	10.63	8.924	7.772	8.771	70- 75	6.725	514.0	98.8,98.8
80	3.598	5.918	7.117	6.976	6.152	5.157	4.206	3.735	75- 80	4.118	518.1	99.6,99.6
85	0.6907	2.811	3.537	2.339	0.8057	0.7323	0.9659	0.8827	80- 85	1.833	519.9	99.9,99.9
90	0.0559	0.3158	0.4035	0.2545	0.0621	0.0411	0.0621	0.0597	85- 90	0.4140	520.4	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: 2.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:will

Test Date:31 August 2024

g Range: 0 - 90DEG

g Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416

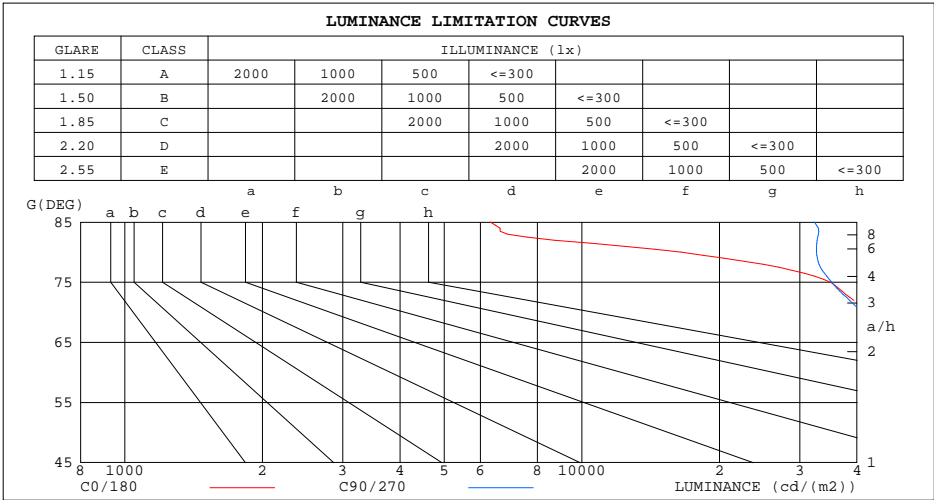
Humidity:65.0%

Test Distance:8.989m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6309	32311
80	16497	32633
75	35032	35233
70	42735	41266
65	52210	49057
60	62625	58341
55	74520	71137
50	89160	86973
45	109309	106106

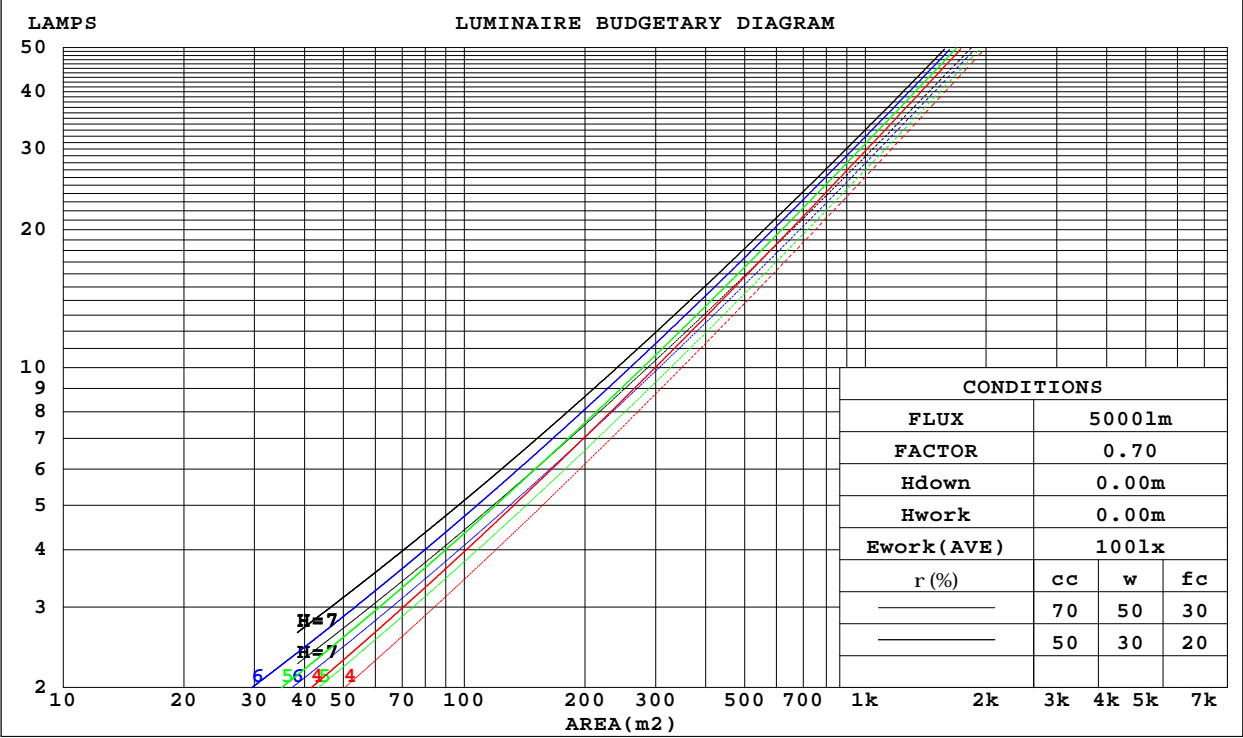
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	.222	.126	.040	.215	.123	.039	.202	.116	.037	.191	.110	.035	.180	.104	.034	
2.0	.213	.117	.036	.207	.114	.035	.196	.109	.034	.186	.104	.033	.177	.100	.032	
3.0	.201	.107	.032	.196	.105	.032	.187	.101	.031	.178	.098	.030	.170	.094	.029	
4.0	.190	.099	.029	.185	.097	.029	.177	.094	.028	.169	.091	.027	.162	.088	.027	
5.0	.178	.091	.026	.175	.090	.026	.167	.087	.026	.160	.085	.025	.154	.082	.025	
6.0	.168	.084	.024	.165	.083	.024	.158	.081	.024	.152	.079	.023	.147	.077	.023	
7.0	.159	.079	.022	.156	.078	.022	.150	.076	.022	.145	.074	.022	.140	.073	.021	
8.0	.150	.073	.021	.148	.073	.021	.143	.071	.020	.138	.070	.020	.133	.068	.020	
9.0	.143	.069	.019	.140	.068	.019	.136	.067	.019	.131	.066	.019	.127	.065	.019	
10.0	.136	.065	.018	.133	.064	.018	.129	.063	.018	.125	.062	.018	.122	.061	.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	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.132	.108	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.151	.114	.084	.130	.098	.073	.089	.068	.051	.051	.040	.030	.017	.013	.010	
4.0	.142	.100	.067	.122	.086	.058	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.046	.109	.069	.040	.075	.048	.028	.044	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.104	.063	.034	.072	.044	.024	.042	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.040	.024	.012	.013	.008	.004	
9.0	.109	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.361x1 lm											
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: EVERFINE						SUR.:		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	26.6	27.7	26.8	27.9	28.1	26.4	27.6	26.7	27.8	28.0	
	3H	27.2	28.2	27.4	28.5	28.7	27.0	28.1	27.3	28.3	28.5
	4H	27.4	28.4	27.7	28.6	28.8	27.2	28.2	27.5	28.5	28.7
	6H	27.4	28.4	27.7	28.6	28.9	27.4	28.3	27.7	28.6	28.8
	8H	27.4	28.3	27.7	28.5	28.8	27.4	28.3	27.7	28.6	28.9
	12H	27.3	28.2	27.7	28.5	28.8	27.5	28.3	27.8	28.6	28.9
4H	2H	26.8	27.8	27.1	28.0	28.3	26.7	27.7	27.0	27.9	28.2
	3H	27.5	28.4	27.9	28.7	29.0	27.4	28.3	27.7	28.6	28.9
	4H	27.8	28.6	28.2	28.9	29.2	27.7	28.5	28.1	28.8	29.1
	6H	27.9	28.6	28.3	29.0	29.3	27.9	28.6	28.3	29.0	29.3
	8H	27.9	28.6	28.3	28.9	29.3	28.0	28.7	28.4	29.1	29.4
	12H	27.9	28.5	28.3	28.8	29.2	28.1	28.7	28.5	29.1	29.5
8H	4H	27.9	28.5	28.3	28.9	29.3	27.8	28.4	28.2	28.8	29.2
	6H	28.0	28.6	28.5	29.0	29.4	28.1	28.6	28.5	29.0	29.4
	8H	28.0	28.5	28.5	28.9	29.4	28.2	28.7	28.7	29.1	29.6
	12H	28.0	28.4	28.5	28.9	29.3	28.4	28.8	28.9	29.2	29.7
12H	4H	27.9	28.5	28.3	28.8	29.2	27.7	28.3	28.2	28.7	29.1
	6H	28.0	28.5	28.5	28.9	29.4	28.1	28.6	28.5	29.0	29.4
	8H	28.1	28.5	28.5	28.9	29.4	28.3	28.7	28.7	29.1	29.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H		+ 0.6 / - 0.5					+ 0.6 / - 0.5				
2.0H		+ 1.2 / - 1.0					+ 1.2 / - 0.9				

CIE Pub.117, 520.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.3)
Area: 0.001256 m2

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

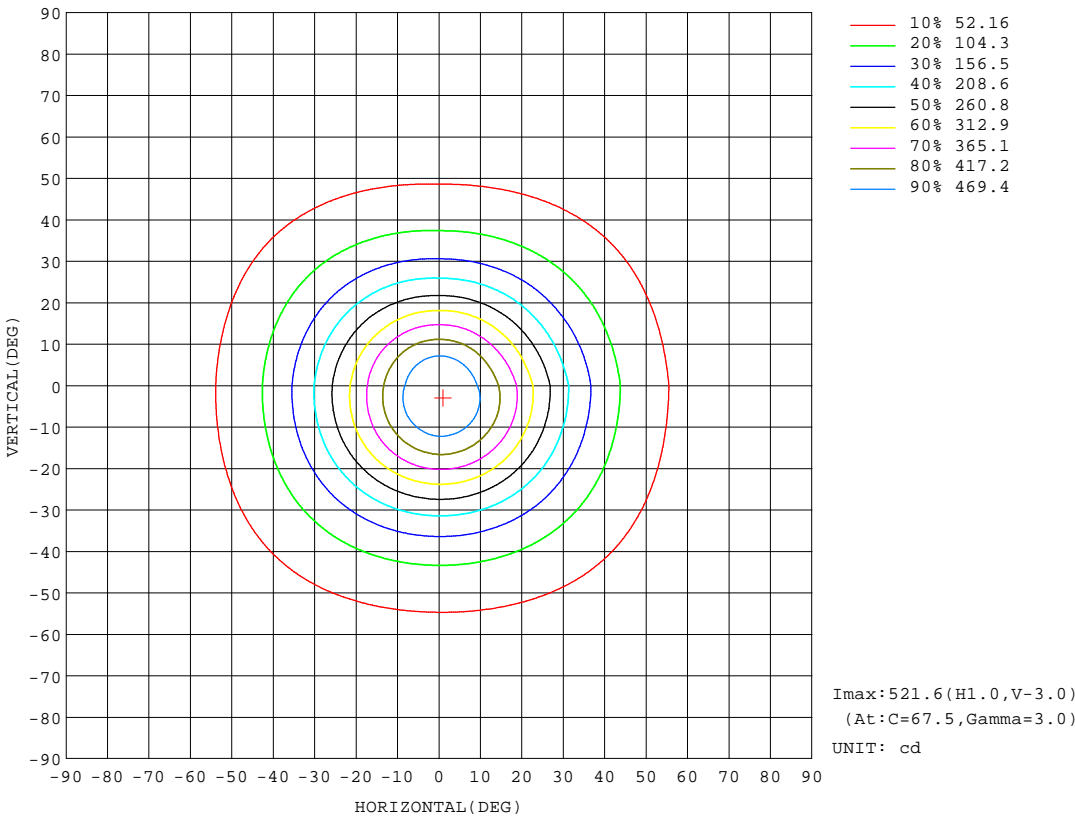
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	65	60	73	65	60	72	65	60	55
0.80	83	75	69	82	74	69	81	74	69	64
1.00	90	82	77	89	81	76	87	82	76	70
1.25	95	88	83	94	87	82	92	86	82	76
1.50	99	92	87	97	91	87	95	90	86	80
2.00	103	97	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	99	103	99	96	89
4.00	111	107	104	109	105	102	105	102	100	92
5.00	113	109	107	110	107	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



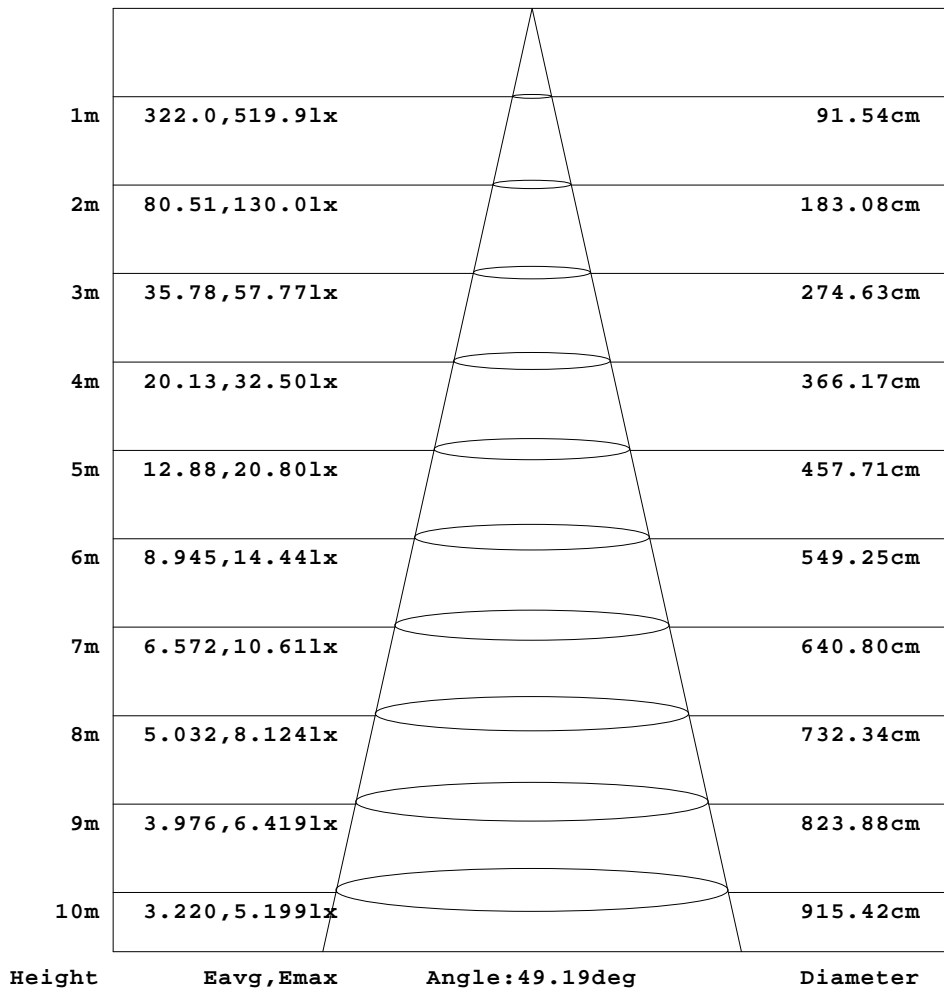
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

deg Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:220.0 lm



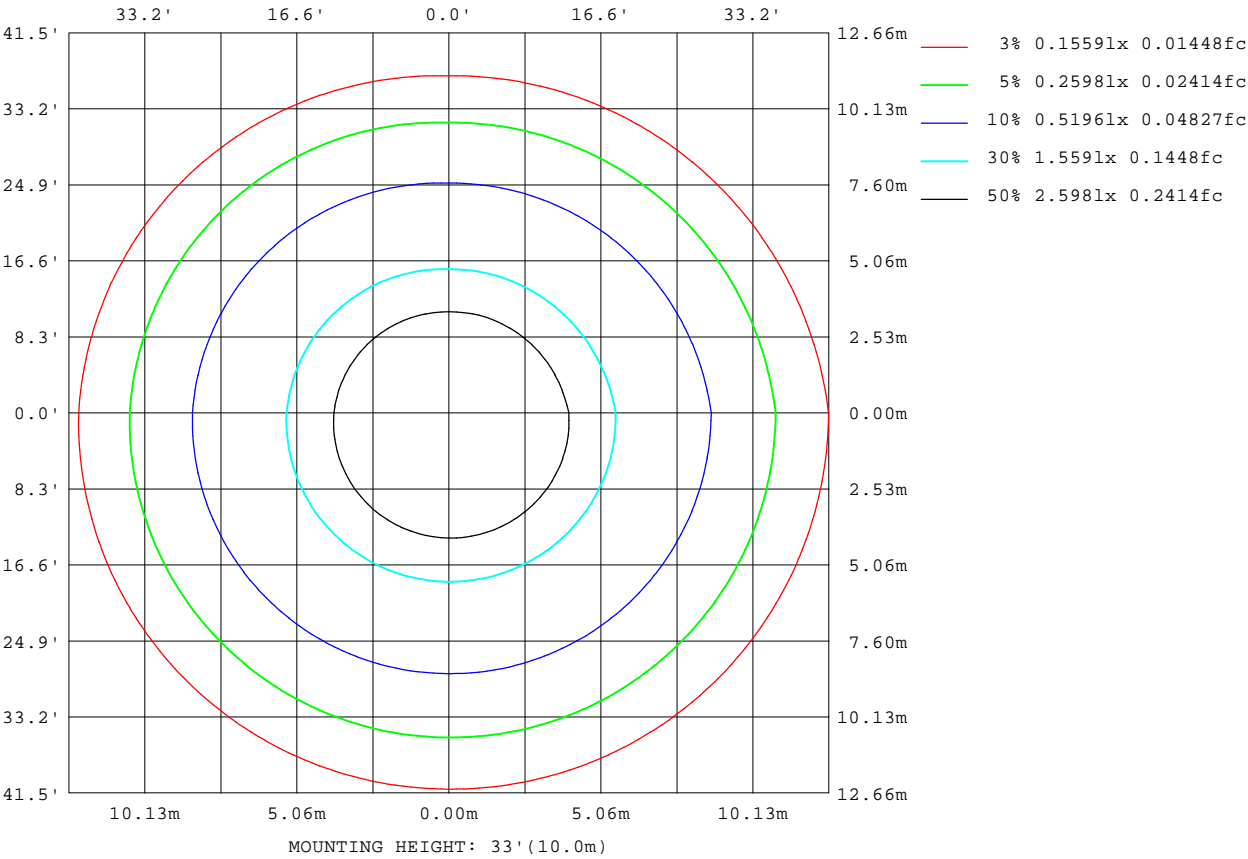
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: will
 Test Date: 31 August 2024

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 8.989m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.92V I:0.0254A P:4.4886W PF:0.7656 Freq:49.99Hz Lamp Flux:520.36lx1 lm		
NAME: 5RS386-7 5w换白色后盖黄色弹簧接线盒	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

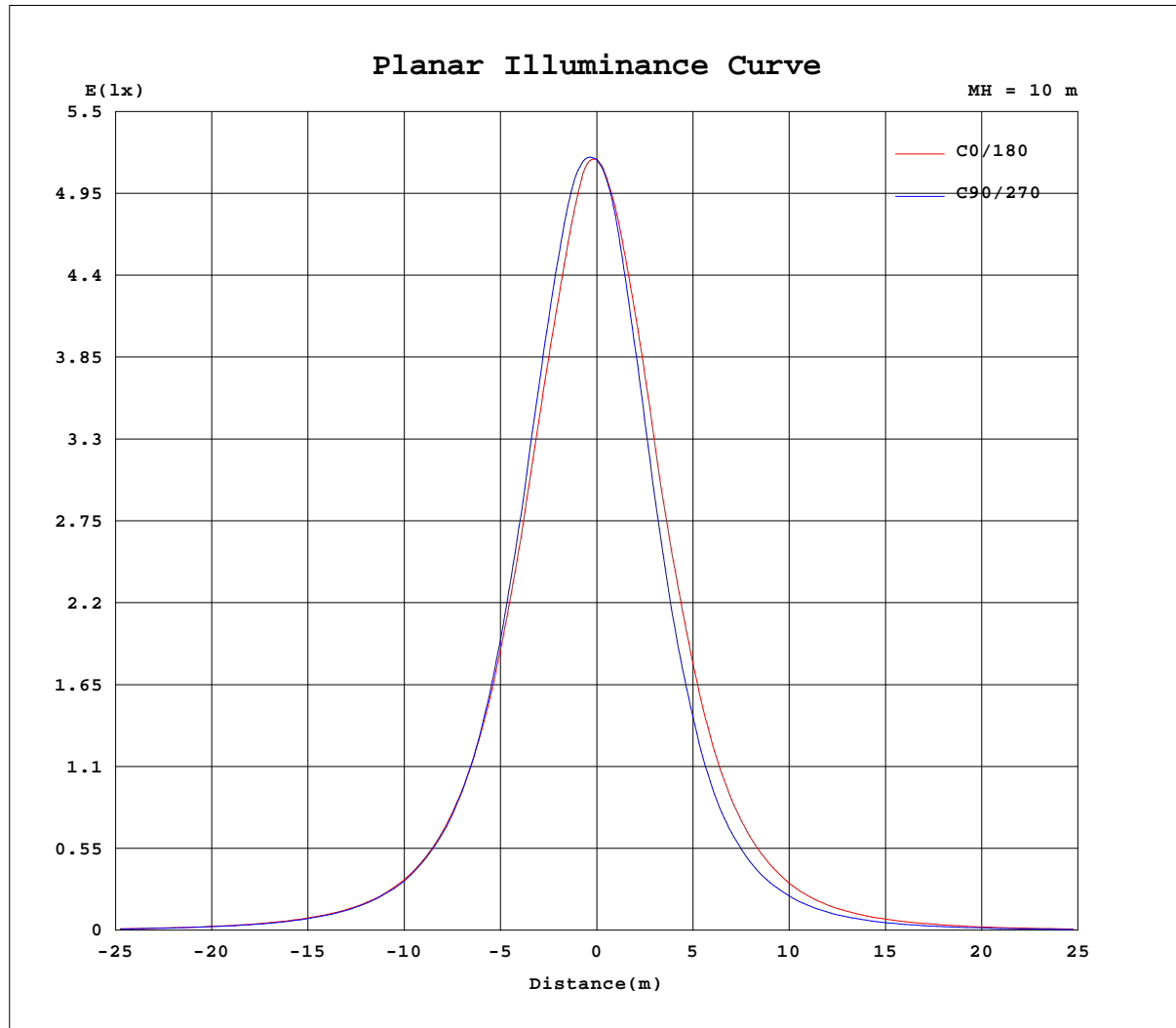
AvgL	cd/m2
L_0~180(65)av	49617
L_0~180(75)av	33868
L_0~180(85)av	6835
L_90~270(65)av	41010
L_90~270(75)av	29571
L_90~270(85)av	20567
L_45(65)av	44076
L_45(75)av	31110
L_45(85)av	15450

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: will
Test Date: 31 August 2024

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 8.989m [K=1.0000]
Remarks:

