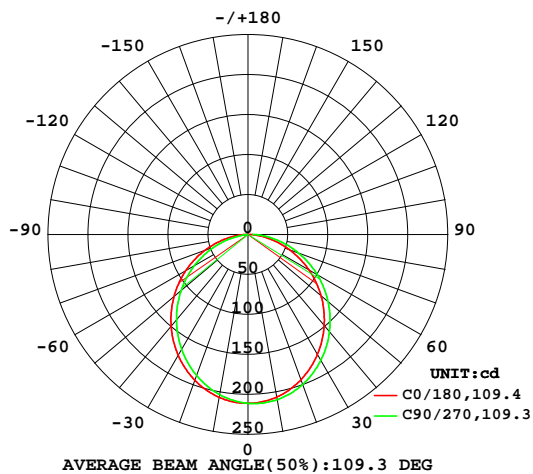


## LUMINAIRE PHOTOMETRIC TEST REPORT

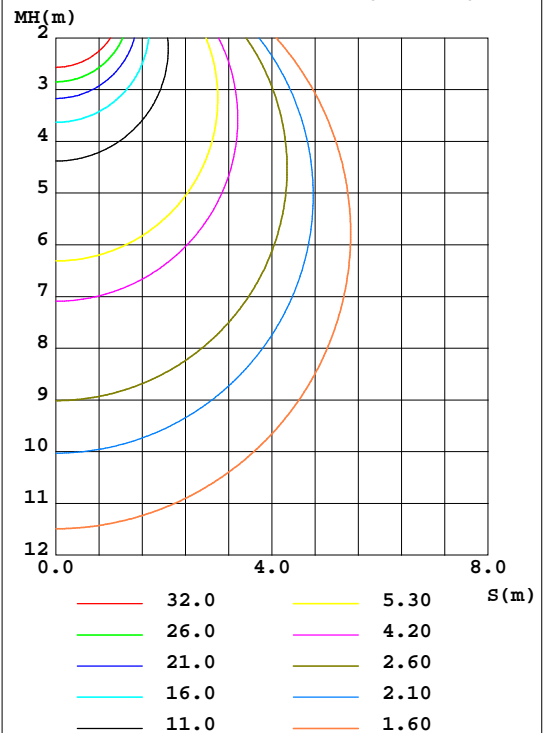
Test:U:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360-2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.04 lm/W			
MODEL	3000K	I <sub>max</sub> (cd)	211.7	S/MH(C0/180)	1.23
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	585.27	h UP,DN(C0-180)	0.0,53.3
NOMINAL FLUX(lm)	585.271	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,46.7
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:will  
 Test Date:08 May 2023

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:

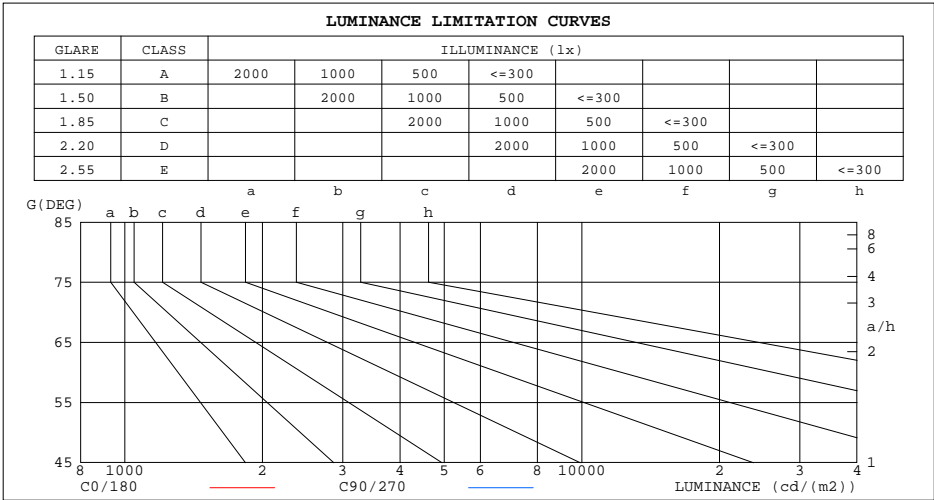
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	210.0	211.2	211.6	211.1	210.1	209.1	208.4	208.7	0- 5	5.035	5.035	0.86,0.86
10	206.5	209.0	209.8	208.8	206.9	204.8	203.4	204.2	5- 10	14.91	19.94	3.41,3.41
15	201.0	204.6	205.8	204.3	201.5	198.4	196.5	197.6	10- 15	24.19	44.13	7.54,7.54
20	193.5	198.1	199.8	197.8	194.2	190.3	187.8	189.2	15- 20	32.55	76.69	13.1,13.1
25	184.3	189.8	191.8	189.4	185.1	180.5	177.6	179.2	20- 25	39.70	116.4	19.9,19.9
30	173.6	179.9	182.2	179.4	174.5	169.3	165.9	167.7	25- 30	45.40	161.8	27.6,27.6
35	161.6	168.5	171.0	168.0	162.7	156.9	153.2	155.1	30- 35	49.50	211.3	36.1,36.1
40	148.4	155.9	158.6	155.4	149.6	143.3	139.3	141.4	35- 40	51.90	263.2	45,45
45	134.3	142.3	145.2	141.8	135.7	129.0	124.7	126.9	40- 45	52.57	315.7	53.9,53.9
50	119.5	127.8	130.8	127.3	120.9	113.9	109.3	111.7	45- 50	51.54	367.3	62.8,62.8
55	103.9	112.6	115.7	112.1	105.5	98.18	93.47	95.88	50- 55	48.87	416.2	71.1,71.1
60	87.76	96.71	99.98	96.29	89.53	82.06	77.22	79.64	55- 60	44.66	460.8	78.7,78.7
65	71.32	80.37	83.69	79.96	73.12	65.51	60.57	63.03	60- 65	39.08	499.9	85.4,85.4
70	54.64	63.72	67.05	63.32	56.48	48.97	44.09	46.50	65- 70	32.34	532.2	90.9,90.9
75	38.22	47.04	50.30	46.74	40.14	32.73	27.89	30.23	70- 75	24.75	557.0	95.2,95.2
80	22.86	30.99	34.00	30.94	24.63	15.80	9.782	12.83	75- 80	16.50	573.5	98,98
85	9.479	16.38	18.94	16.18	11.02	5.123	1.245	3.111	80- 85	8.649	582.1	99.5,99.5
90	0.1093	4.555	6.113	3.744	0.5657	0	0.0964	0.0426	85- 90	3.131	585.3	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:08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360-2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	45800	91508
80	55442	82455
75	62186	81835
70	67274	82558
65	71064	83396
60	73919	84209
55	76273	84965
50	78261	85702
45	80008	86468

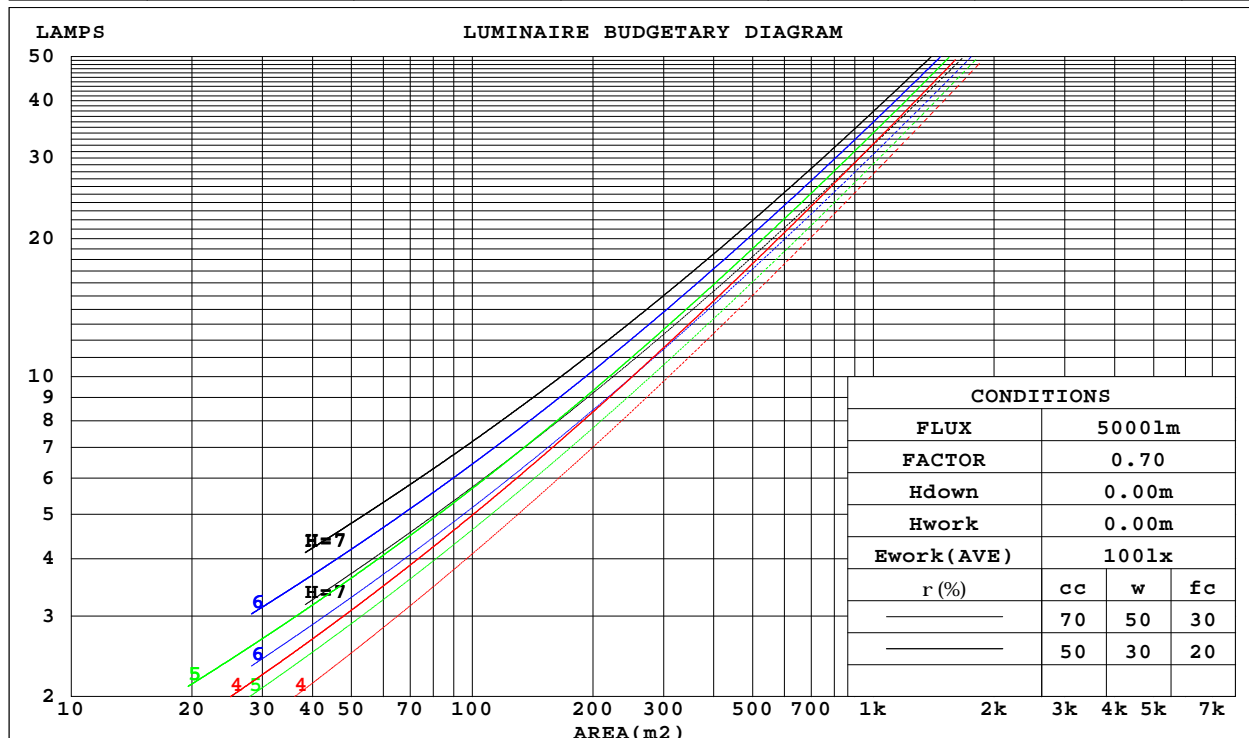
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm														
NAME: 5RS360-2					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: EVERFINE					SUR.:					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															



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:will  
 Test Date:08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360—2	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	.310	.177	.056	.303	.173	.055	.290	.166	.053	.278	.160	.051	.267	.155	.050	
2.0	.292	.160	.049	.285	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.270	.144	.043	.264	.141	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.119	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.102	.030	.189	.100	.030	
7.0	.198	.098	.028	.195	.097	.028	.189	.095	.027	.182	.094	.027	.177	.092	.027	
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.148	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm										
NAME: 5RS360—2					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	28.1	29.7	28.4	29.9	30.1	28.6	30.1	28.9	30.3	30.5
3H	29.7	31.1	30.0	31.3	31.5	30.3	31.7	30.6	32.0	32.2
4H	30.3	31.6	30.6	31.9	32.1	31.1	32.4	31.4	32.7	32.9
6H	30.7	32.0	31.0	32.2	32.5	31.7	33.0	32.1	33.3	33.5
8H	30.8	32.0	31.2	32.3	32.6	32.0	33.2	32.3	33.5	33.8
12H	30.9	32.1	31.3	32.4	32.7	32.2	33.4	32.6	33.7	34.0
4H 2H	28.9	30.2	29.2	30.5	30.7	29.2	30.6	29.5	30.8	31.1
3H	30.6	31.8	31.0	32.1	32.4	31.2	32.3	31.5	32.6	32.9
4H	31.4	32.4	31.7	32.7	33.1	32.1	33.1	32.4	33.4	33.8
6H	31.9	32.9	32.3	33.2	33.6	32.8	33.8	33.2	34.2	34.5
8H	32.1	33.0	32.5	33.4	33.8	33.2	34.1	33.6	34.4	34.8
12H	32.2	33.1	32.7	33.4	33.8	33.5	34.3	33.9	34.7	35.1
8H 4H	31.7	32.6	32.2	33.0	33.4	32.4	33.2	32.8	33.6	34.0
6H	32.5	33.2	32.9	33.6	34.1	33.3	34.1	33.8	34.5	34.9
8H	32.8	33.5	33.3	33.9	34.3	33.8	34.4	34.2	34.9	35.3
12H	33.0	33.6	33.5	34.0	34.5	34.2	34.8	34.7	35.2	35.7
12H 4H	31.8	32.6	32.2	33.0	33.4	32.4	33.2	32.8	33.6	34.0
6H	32.6	33.3	33.1	33.7	34.2	33.4	34.1	33.9	34.5	34.9
8H	33.0	33.5	33.5	34.0	34.5	33.9	34.5	34.4	34.9	35.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 585.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.9)  
Area: 0.00237462 m2

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360—2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

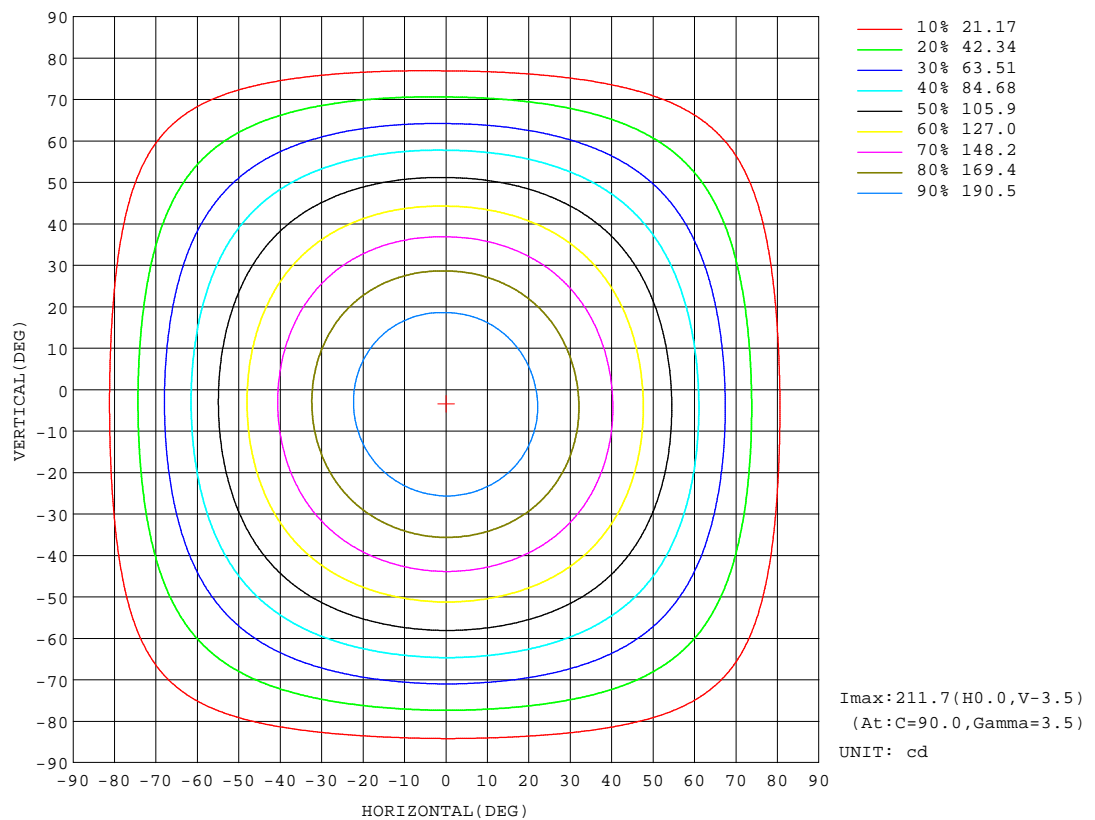
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	86	77	71	83	76	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360-2	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: 08 May 2023

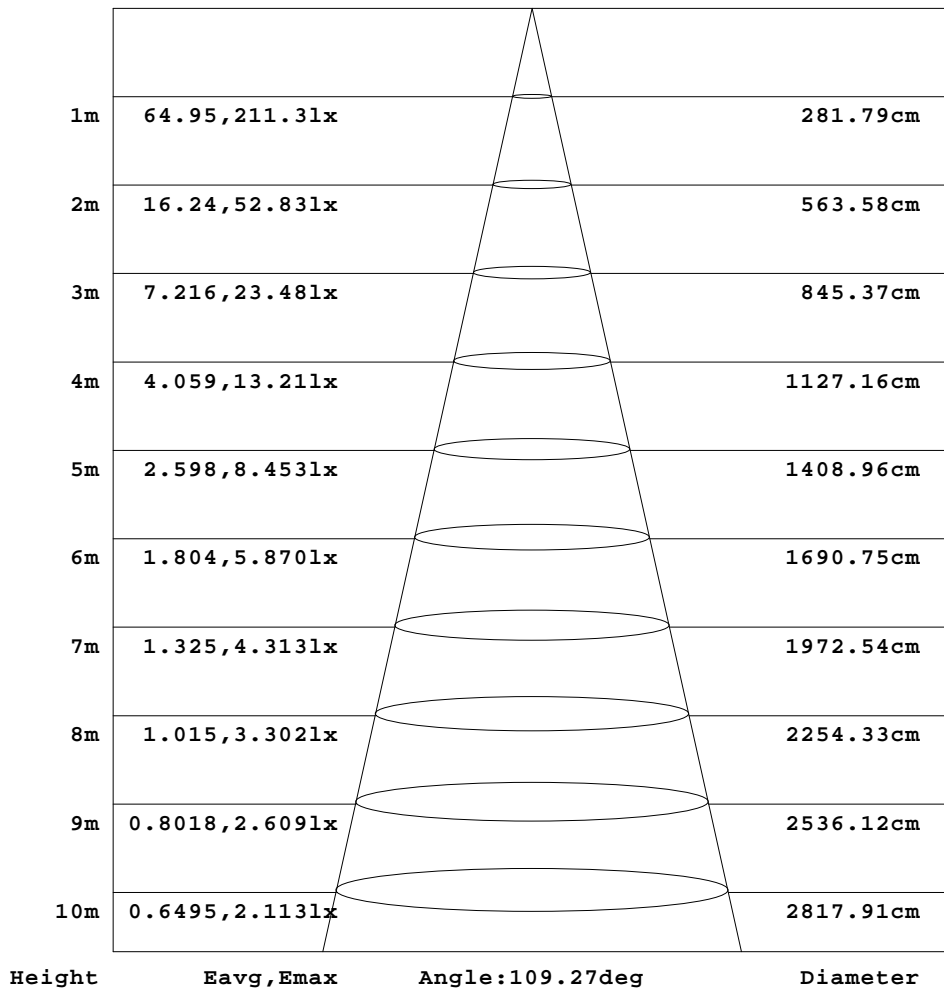
deg Range: 0 - 90DEG  
Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 8.989m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360-2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:416.2 lm



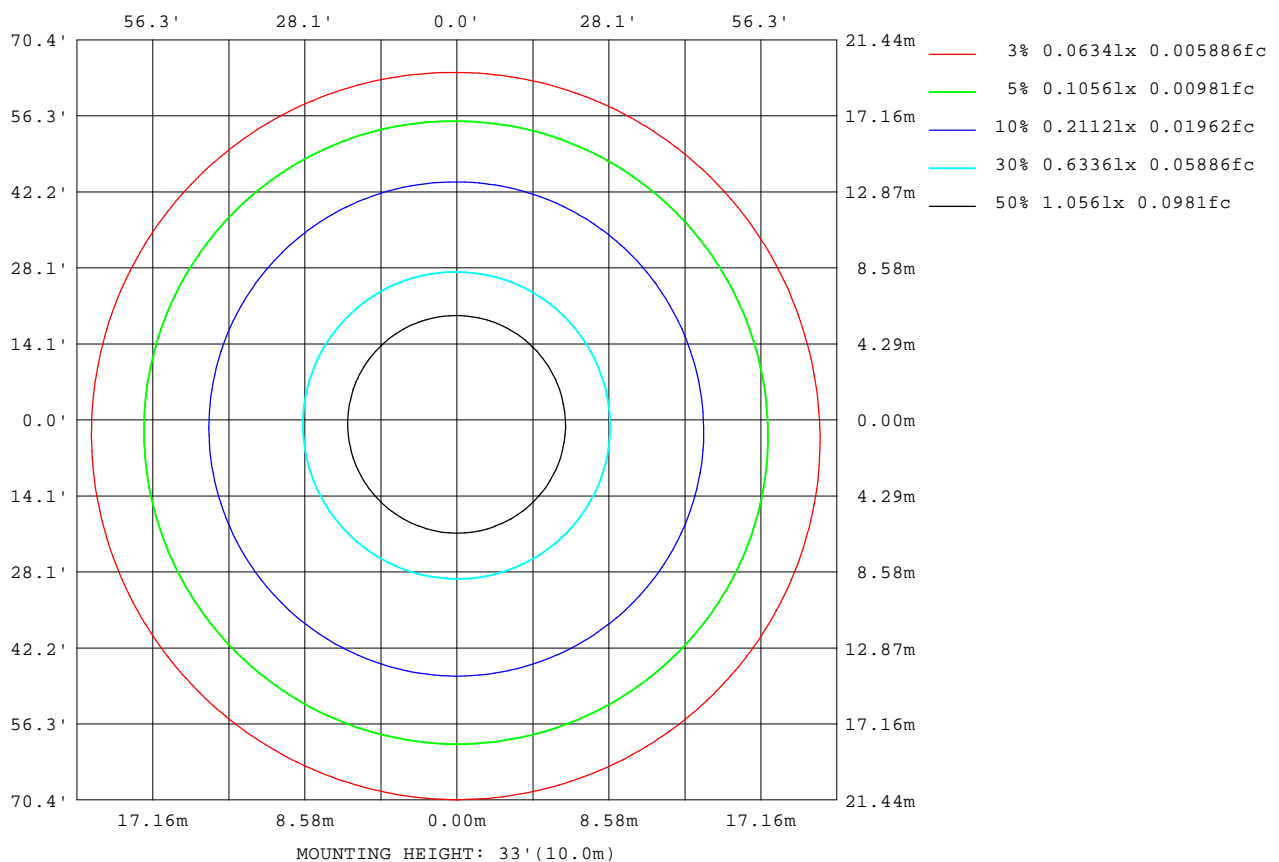
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: will  
 Test Date: 08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360-2	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: 08 May 2023

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:230.98V I:0.0258A P:5.4170W PF:0.9077 Freq:49.99Hz Lamp Flux:585.27lx1 lm		
NAME: 5RS360—2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

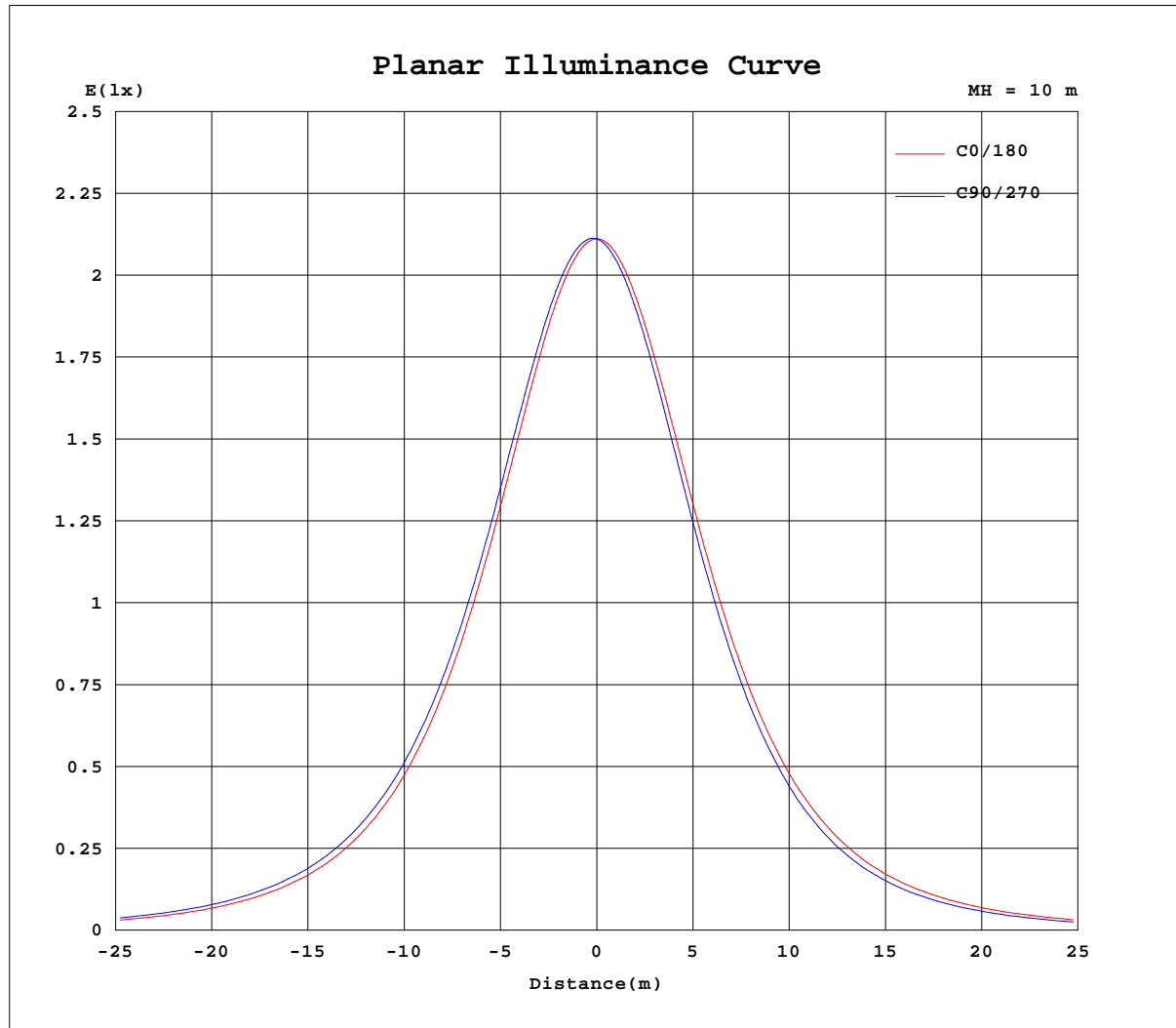
AvgL	cd/m2
L_0~180(65)av	71960
L_0~180(75)av	63747
L_0~180(85)av	49523
L_90~270(65)av	71878
L_90~270(75)av	63605
L_90~270(85)av	48763
L_45(65)av	71965
L_45(75)av	63756
L_45(85)av	49281

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:08 May 2023

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: 08 May 2023

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:

















