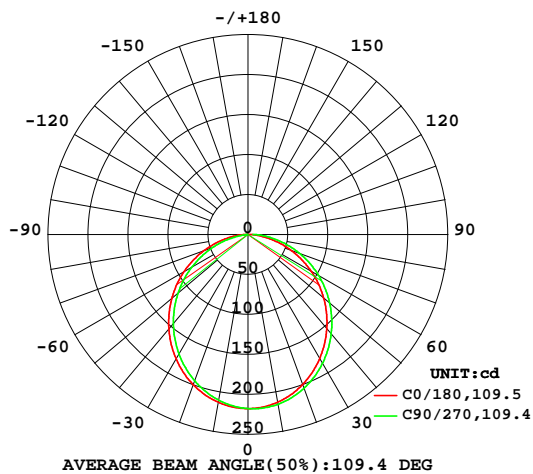


LUMINAIRE PHOTOMETRIC TEST REPORT

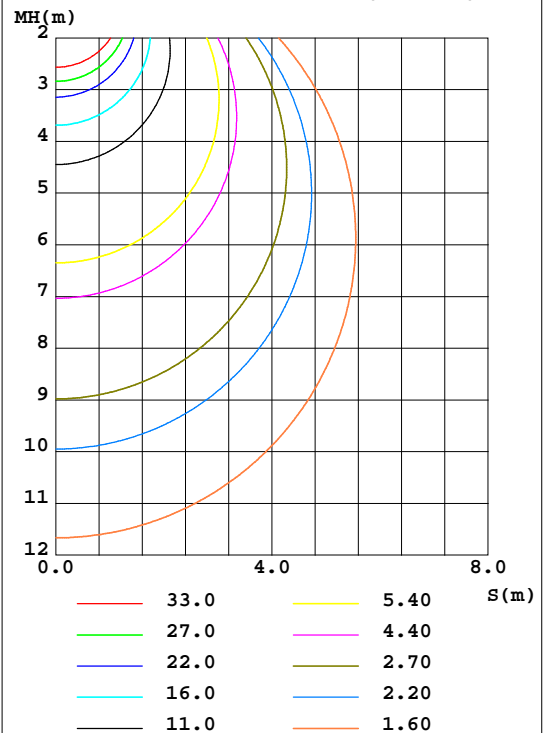
Test:U:230.98V I:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 lm		
NAME: 5RS360-2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.06 lm/W			
MODEL	4000K	I _{max} (cd)	218.1	S/MH(C0/180)	1.23
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	603.63	h UP,DN(C0-180)	0.0,53.0
NOMINAL FLUX(lm)	603.627	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,47.0
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:

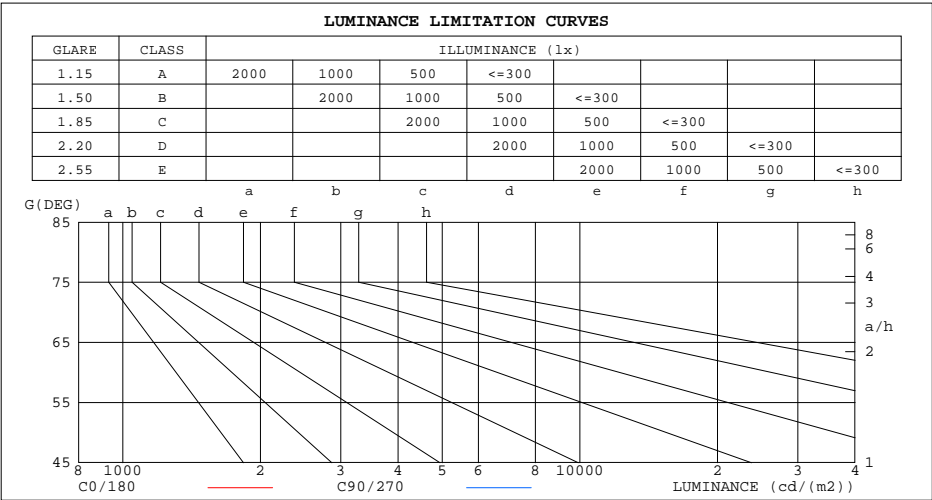
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	216.6	217.5	217.8	217.4	216.6	215.7	215.2	215.5	0- 5	5.191	5.191	0.86,0.86
10	213.1	215.0	215.7	214.8	213.2	211.5	210.4	211.1	5- 10	15.37	20.56	3.41,3.41
15	207.5	210.3	211.3	209.9	207.6	205.1	203.6	204.5	10- 15	24.95	45.51	7.54,7.54
20	199.8	203.5	204.8	203.1	200.1	196.9	194.9	196.1	15- 20	33.57	79.08	13.1,13.1
25	190.4	194.9	196.4	194.4	190.7	186.9	184.5	185.9	20- 25	40.94	120.0	19.9,19.9
30	179.4	184.6	186.4	184.0	179.8	175.4	172.6	174.3	25- 30	46.83	166.8	27.6,27.6
35	167.0	172.8	174.8	172.2	167.6	162.6	159.5	161.3	30- 35	51.06	217.9	36.1,36.1
40	153.5	159.8	162.1	159.2	154.1	148.7	145.3	147.2	35- 40	53.54	271.4	45,45
45	139.0	145.8	148.2	145.1	139.7	133.8	130.1	132.3	40- 45	54.23	325.7	54,54
50	123.6	130.9	133.5	130.2	124.5	118.2	114.2	116.5	45- 50	53.17	378.8	62.8,62.8
55	107.6	115.3	118.0	114.6	108.5	101.9	97.71	100.1	50- 55	50.41	429.3	71.1,71.1
60	90.95	99.02	101.9	98.44	92.17	85.18	80.69	83.11	55- 60	46.08	475.3	78.7,78.7
65	73.97	82.30	85.29	81.71	75.24	68.06	63.44	65.92	60- 65	40.31	515.6	85.4,85.4
70	56.71	65.24	68.31	64.68	58.10	50.85	46.18	48.64	65- 70	33.36	549.0	91,91
75	39.78	48.22	51.27	47.72	41.24	33.96	29.25	31.70	70- 75	25.52	574.5	95.2,95.2
80	23.86	31.78	34.65	31.54	25.24	16.40	10.41	13.60	75- 80	17.01	591.5	98,98
85	9.975	16.80	19.29	16.47	11.24	5.222	1.297	3.308	80- 85	8.890	600.4	99.5,99.5
90	0.1414	4.655	6.222	3.778	0.5207	0	0.0900	0.0554	85- 90	3.205	603.6	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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 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	48196	93185
80	57860	84029
75	64717	83424
70	69823	84109
65	73710	84991
60	76605	85833
55	78983	86621
50	80998	87441
45	82761	88240

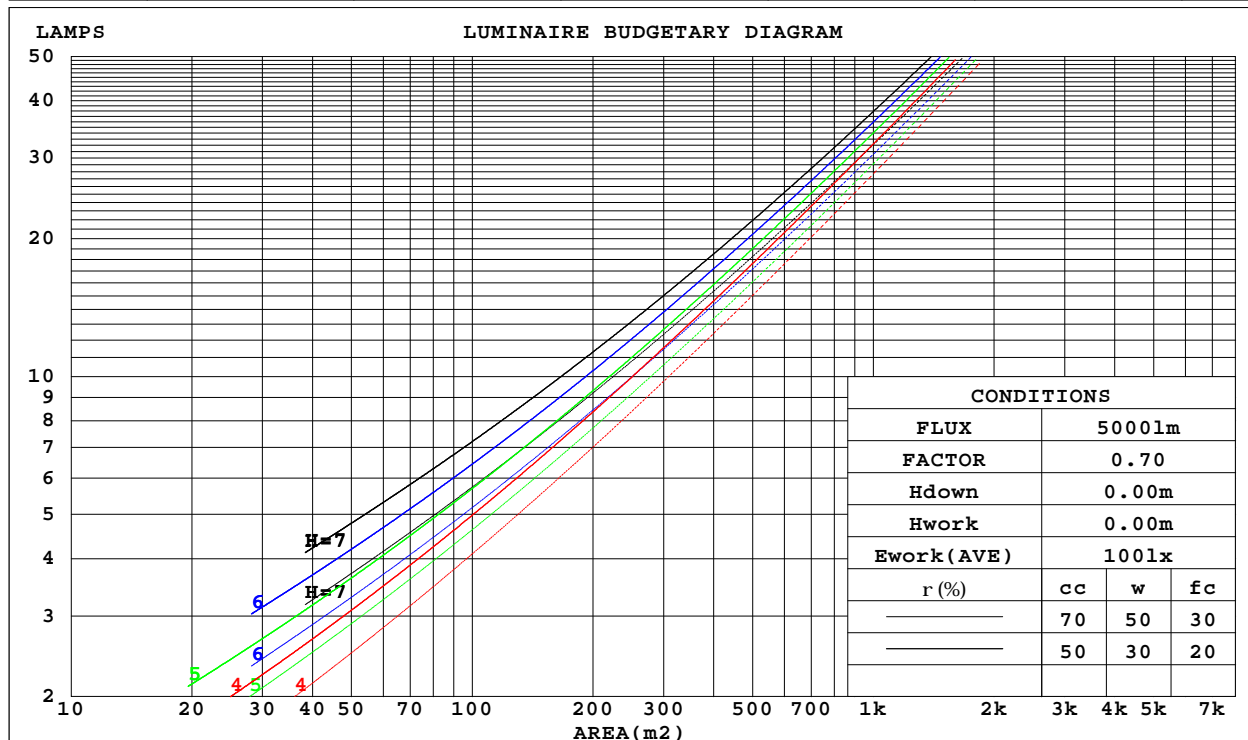
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:08 May 2023

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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 lm		
NAME: 5RS360-2	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			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	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.41	.36	.48	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 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	.147	.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	.092	.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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 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	28.2	29.8	28.5	30.0	30.2	28.6	30.2	28.9	30.4	30.6	
	3H	29.8	31.2	30.1	31.4	31.7	30.4	31.8	30.7	32.0	32.2
	4H	30.4	31.7	30.7	32.0	32.2	31.1	32.5	31.4	32.7	33.0
	6H	30.8	32.1	31.2	32.4	32.6	31.8	33.0	32.1	33.3	33.6
	8H	31.0	32.2	31.3	32.5	32.7	32.0	33.2	32.4	33.5	33.8
	12H	31.0	32.2	31.4	32.5	32.8	32.2	33.4	32.6	33.7	34.0
4H	2H	29.0	30.3	29.3	30.6	30.8	29.3	30.6	29.6	30.9	31.1
	3H	30.7	31.9	31.1	32.2	32.5	31.2	32.4	31.5	32.7	33.0
	4H	31.5	32.5	31.8	32.8	33.2	32.1	33.2	32.5	33.5	33.8
	6H	32.0	33.0	32.4	33.3	33.7	32.9	33.8	33.3	34.2	34.6
	8H	32.2	33.1	32.6	33.5	33.9	33.2	34.1	33.6	34.5	34.9
	12H	32.4	33.2	32.8	33.6	34.0	33.5	34.3	33.9	34.7	35.1
8H	4H	31.8	32.7	32.2	33.1	33.5	32.4	33.3	32.8	33.6	34.0
	6H	32.6	33.3	33.0	33.7	34.2	33.4	34.1	33.8	34.5	34.9
	8H	32.9	33.6	33.4	34.0	34.4	33.8	34.5	34.3	34.9	35.4
	12H	33.1	33.7	33.6	34.1	34.6	34.2	34.8	34.7	35.3	35.7
12H	4H	31.9	32.7	32.3	33.1	33.5	32.4	33.2	32.8	33.6	34.0
	6H	32.7	33.4	33.2	33.8	34.3	33.4	34.1	33.9	34.5	35.0
	8H	33.1	33.6	33.6	34.1	34.6	34.0	34.5	34.4	35.0	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, 603.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.8)
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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 lm		
NAME: 5RS360—2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

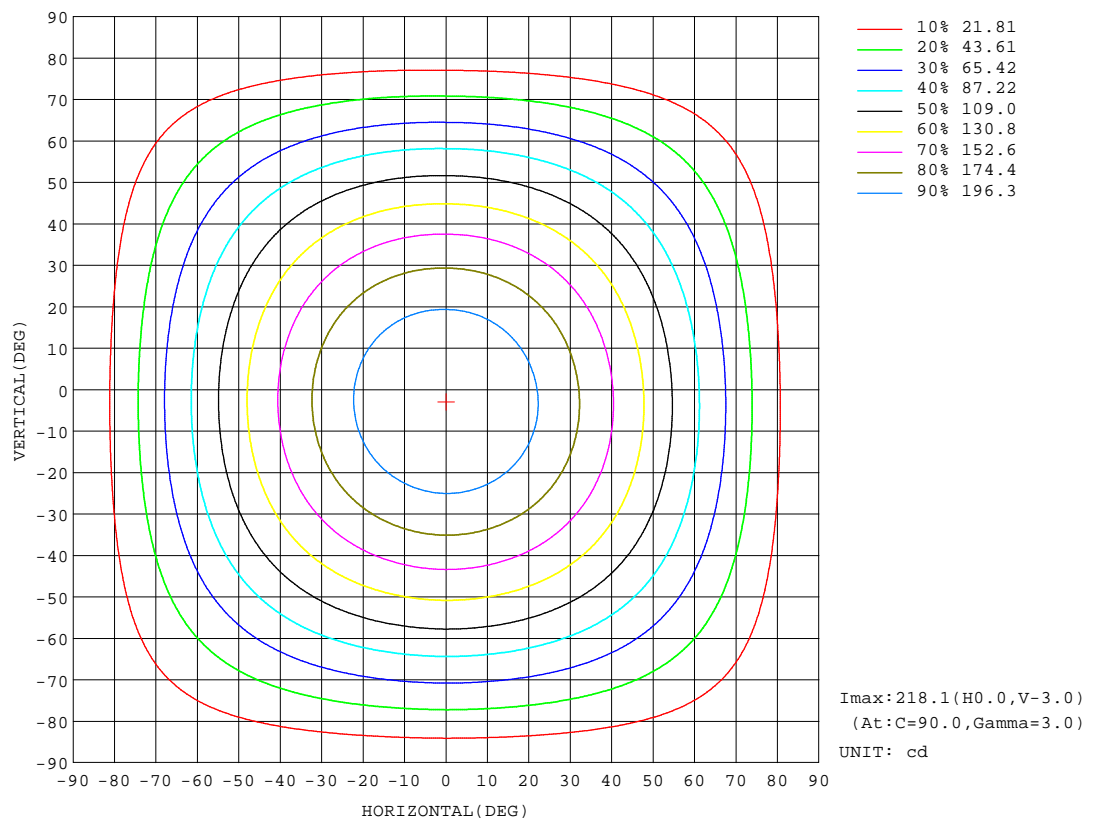
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 lm		
NAME: 5RS360-2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



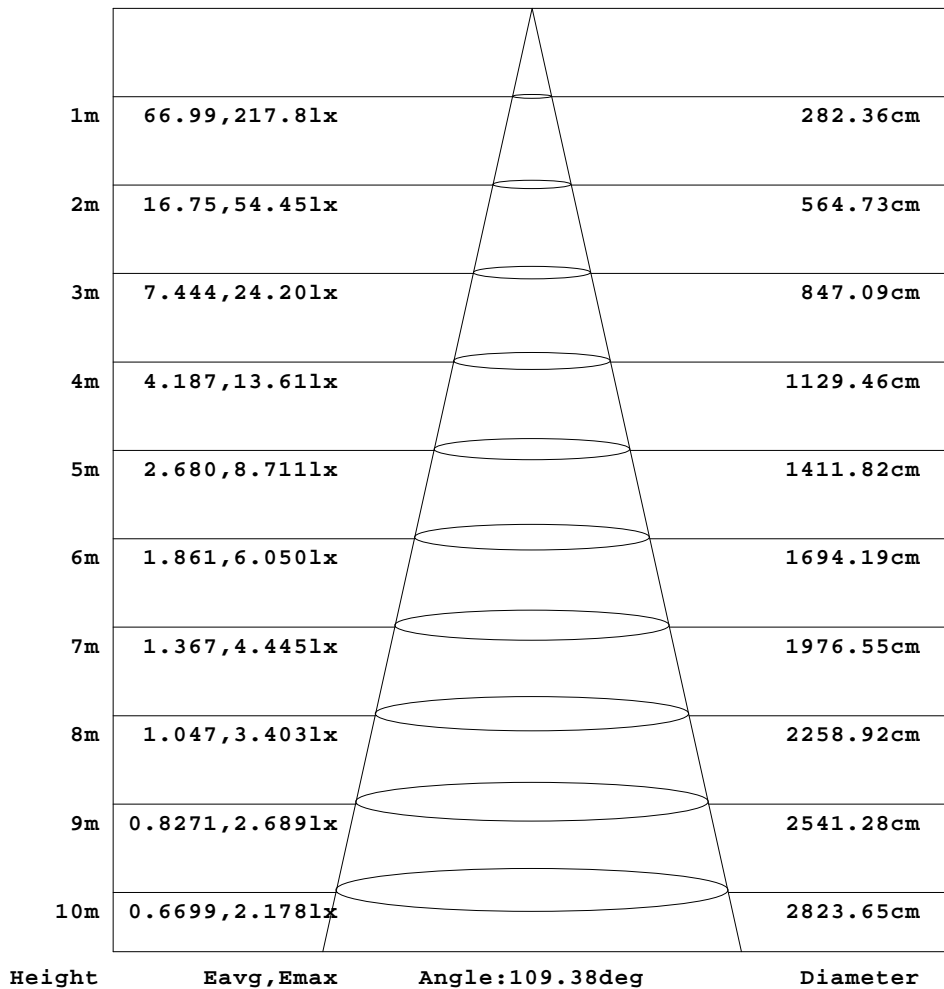
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: will
Test Date: 08 May 2023

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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 lm		
NAME: 5RS360-2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:429.3 lm



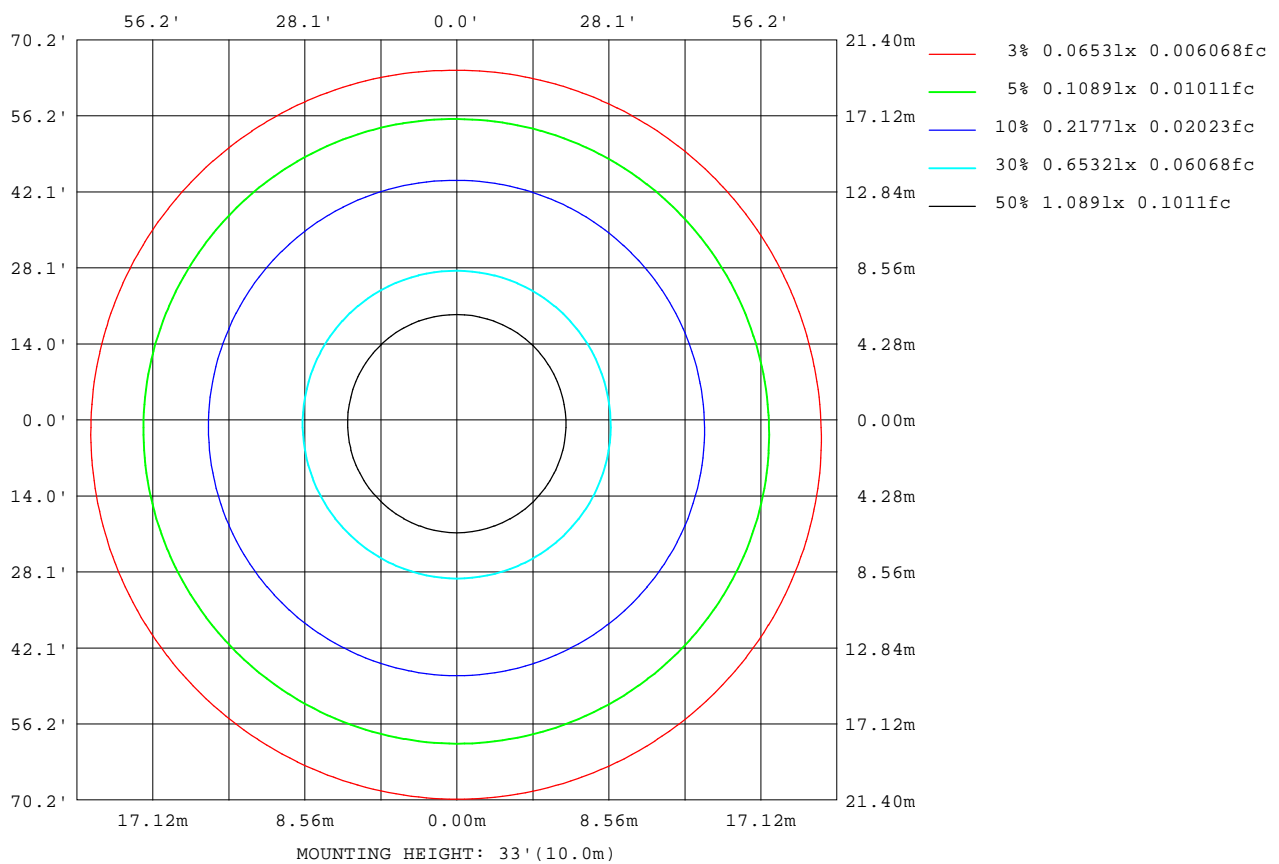
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 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:0.0261A P:5.4845W PF:0.9093 Freq:49.99Hz Lamp Flux:603.627x1 lm		
NAME: 5RS360—2	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

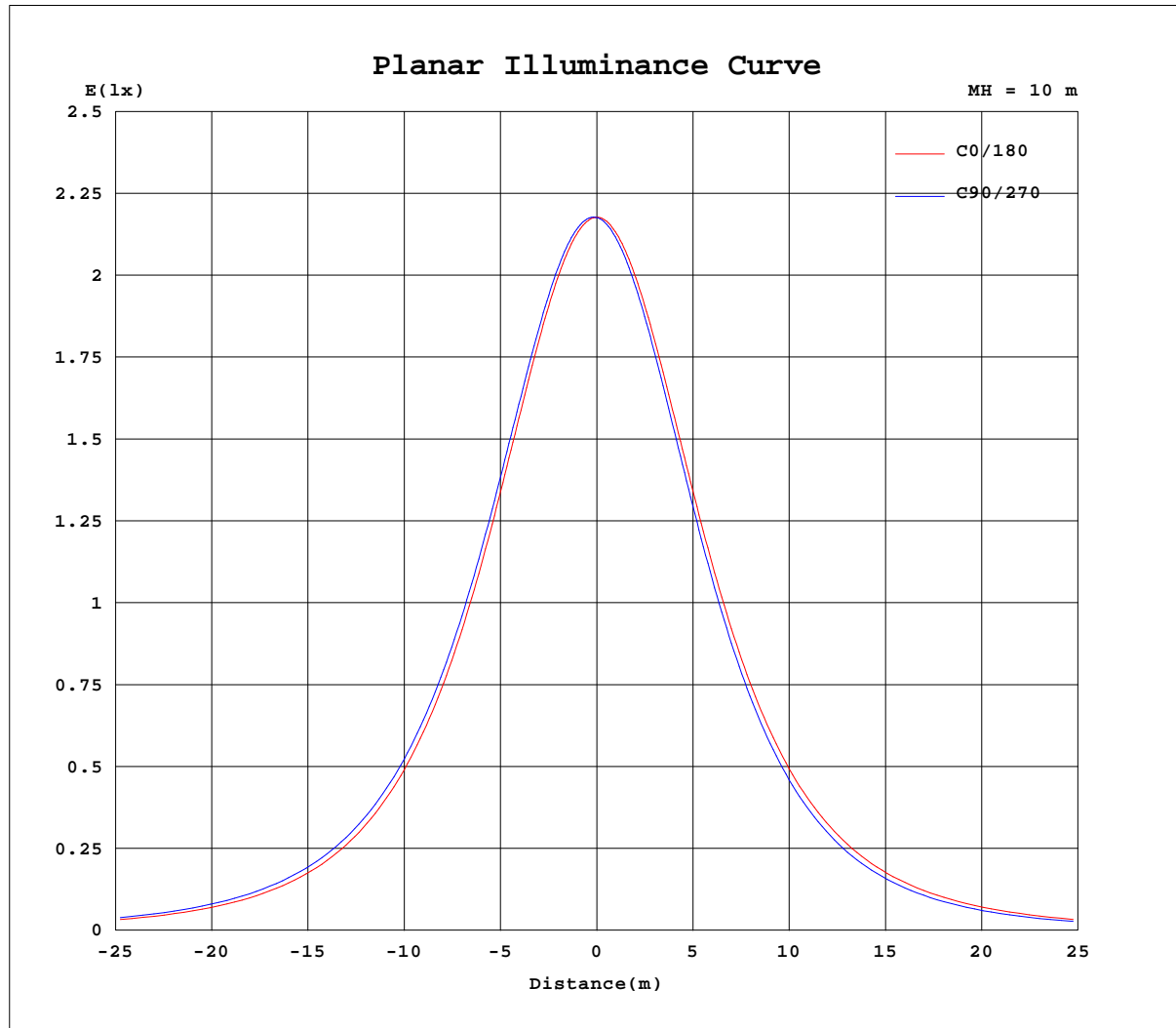
AvgL	cd/m2
L_0~180(65)av	74344
L_0~180(75)av	65906
L_0~180(85)av	51248
L_90~270(65)av	74104
L_90~270(75)av	65508
L_90~270(85)av	49726
L_45(65)av	74233
L_45(75)av	65732
L_45(85)av	50488

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:

