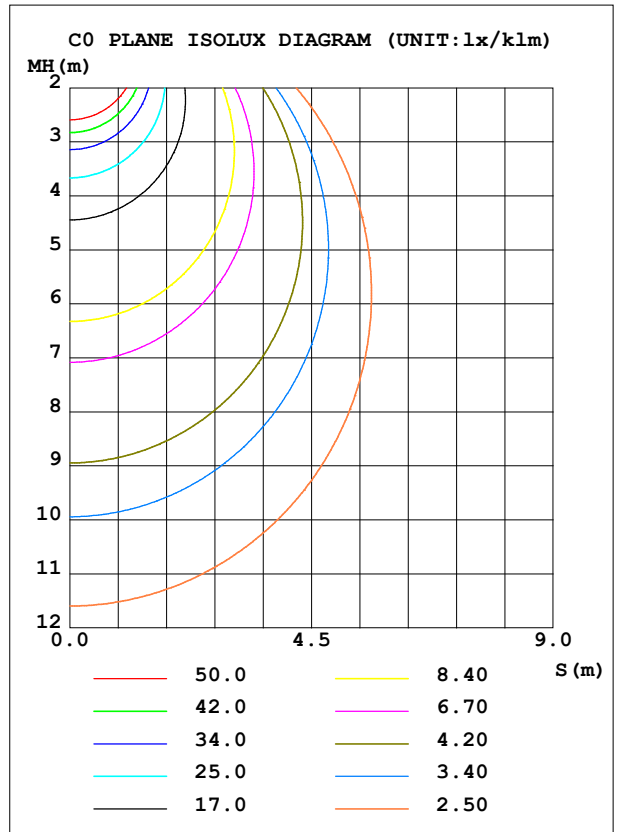
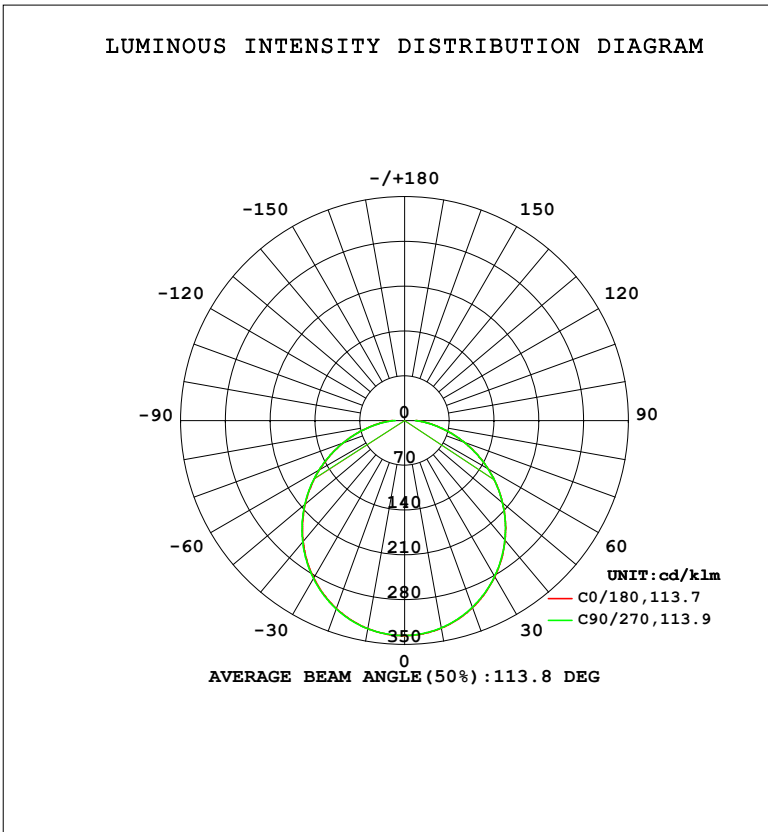


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 57.59 lm/W
MODEL	CSC3025-LED-PIR-5CCT-WH	I _{max} (cd/klm)	336.2	S/MH (C0/180)	1.26	
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	0.0, 49.7	
NOMINAL FLUX (lm)	853.857	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.3	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

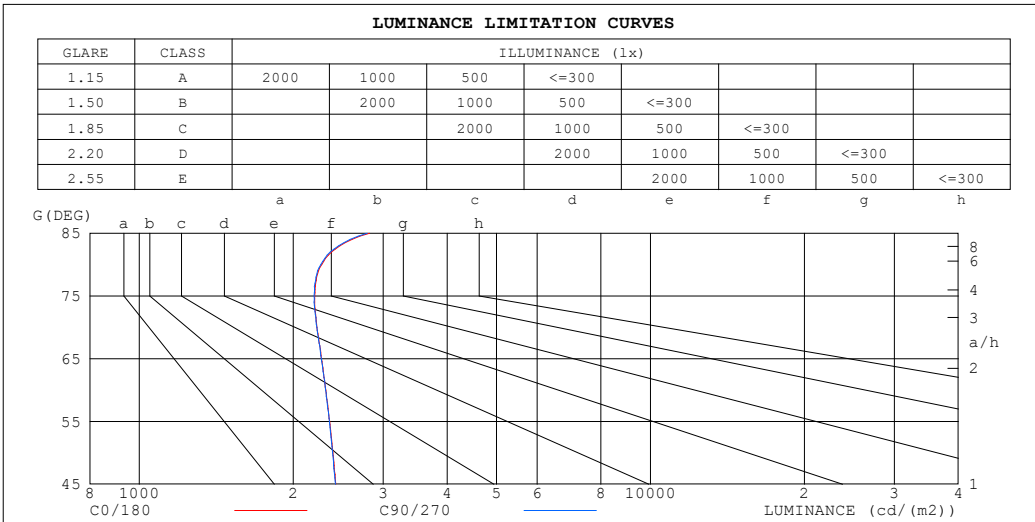
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	329.5	329.1	329.0	329.5	330.4	330.8	330.5	330.1	0- 10	31.78	31.78	3.18,3.18
20	311.0	310.3	310.4	311.1	312.6	313.4	313.1	312.1	10- 20	90.93	122.7	12.3,12.3
30	282.0	281.3	281.3	282.2	284.2	285.4	285.0	283.5	20- 30	137.6	260.4	26,26
40	244.4	243.9	244.0	244.8	246.9	248.4	247.9	246.1	30- 40	166.1	426.4	42.6,42.6
50	199.9	199.6	199.7	200.6	202.8	204.3	203.7	201.8	40- 50	173.1	599.6	60,60
60	150.8	150.5	150.6	151.5	153.7	155.2	154.4	152.5	50- 60	158.7	758.2	75.8,75.8
70	99.07	98.96	99.03	100.0	102.1	103.4	102.7	100.9	60- 70	125.4	883.6	88.4,88.4
80	51.35	51.31	51.15	52.35	53.79	54.75	53.29	52.57	70- 80	80.22	963.8	96.4,96.4
90	17.66	17.78	16.80	17.47	18.56	18.85	14.86	17.46	80- 90	36.20	1000	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2817	2791
80	2273	2264
75	2202	2198
70	2226	2225
65	2272	2271
60	2317	2315
55	2356	2355
50	2390	2388
45	2423	2419

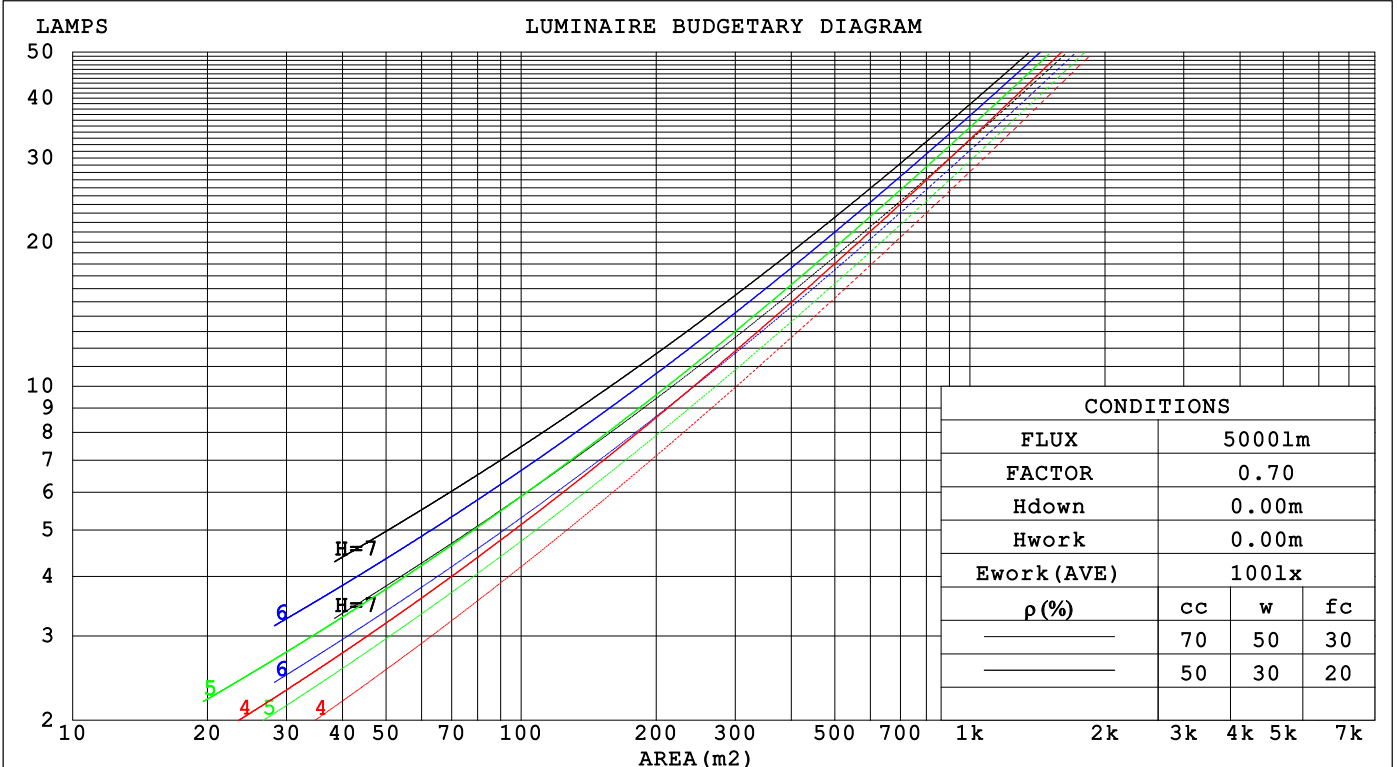
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.00
1.0	1.03	.98	.94	1.00	.96	.92	.96	.93	.89	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.76	.87	.80	.75	.83	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.61	.70	.65	.60	.68	.63	.59	.56
4.0	.69	.60	.53	.67	.59	.52	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.46	.39	.54	.46	.39	.52	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.34	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz		
Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.334	.190	.060	.326	.186	.059	.313	.180	.057	.301	.173	.056	.289	.168	.054	
2.0	.306	.168	.051	.300	.165	.051	.288	.160	.050	.277	.155	.049	.267	.151	.048	
3.0	.280	.149	.045	.274	.147	.044	.263	.143	.043	.254	.139	.043	.245	.136	.042	
4.0	.256	.133	.039	.251	.131	.039	.242	.128	.038	.233	.125	.038	.225	.122	.037	
5.0	.235	.120	.035	.231	.119	.035	.223	.116	.034	.215	.114	.034	.208	.111	.033	
6.0	.218	.109	.031	.214	.108	.031	.206	.106	.031	.200	.104	.030	.193	.102	.030	
7.0	.202	.100	.028	.199	.099	.028	.192	.097	.028	.186	.095	.028	.180	.094	.028	
8.0	.188	.092	.026	.185	.091	.026	.179	.090	.026	.174	.088	.025	.169	.087	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.159	.081	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.182	.156	.132	.156	.134	.114	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.174	.132	.096	.149	.113	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	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	16.3	17.9	16.6	18.1	18.3	16.3	17.9	16.6	18.1	18.3
3H	18.0	19.4	18.3	19.7	19.9	18.0	19.4	18.3	19.7	19.9
4H	18.7	20.1	19.0	20.3	20.6	18.7	20.1	19.0	20.3	20.6
6H	19.3	20.6	19.7	20.9	21.2	19.3	20.6	19.7	20.9	21.2
8H	19.6	20.9	20.0	21.1	21.4	19.6	20.9	19.9	21.1	21.4
12H	19.9	21.1	20.2	21.4	21.7	19.9	21.1	20.2	21.4	21.7
4H 2H	17.0	18.3	17.3	18.6	18.9	17.0	18.3	17.3	18.6	18.8
3H	18.8	20.0	19.2	20.3	20.6	18.8	20.0	19.2	20.3	20.6
4H	19.7	20.8	20.1	21.1	21.5	19.7	20.8	20.1	21.1	21.5
6H	20.5	21.5	20.9	21.8	22.2	20.5	21.5	20.9	21.8	22.2
8H	20.8	21.8	21.2	22.1	22.5	20.8	21.7	21.2	22.1	22.5
12H	21.2	22.0	21.6	22.4	22.8	21.2	22.0	21.6	22.4	22.8
8H 4H	20.0	21.0	20.4	21.3	21.7	20.0	20.9	20.4	21.3	21.7
6H	21.0	21.8	21.5	22.2	22.6	21.0	21.8	21.4	22.2	22.6
8H	21.5	22.2	22.0	22.6	23.1	21.5	22.2	21.9	22.6	23.1
12H	22.0	22.6	22.5	23.0	23.5	22.0	22.6	22.5	23.0	23.5
12H 4H	20.1	20.9	20.5	21.3	21.7	20.1	20.9	20.5	21.3	21.7
6H	21.1	21.8	21.6	22.2	22.7	21.1	21.8	21.6	22.2	22.7
8H	21.7	22.3	22.2	22.7	23.2	21.7	22.3	22.1	22.7	23.2

Variations with the observer position at spacings(CIE Pub.117):		
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	+ 0.1 / - 0.3

CIE Pub.117, 853.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)
Area: 0.111111 m2

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Temperature:25.3℃	Humidity:65.0%
Operators:	Test Distance:10.000m [K=1.0000]
Test Date:2024-03-14	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

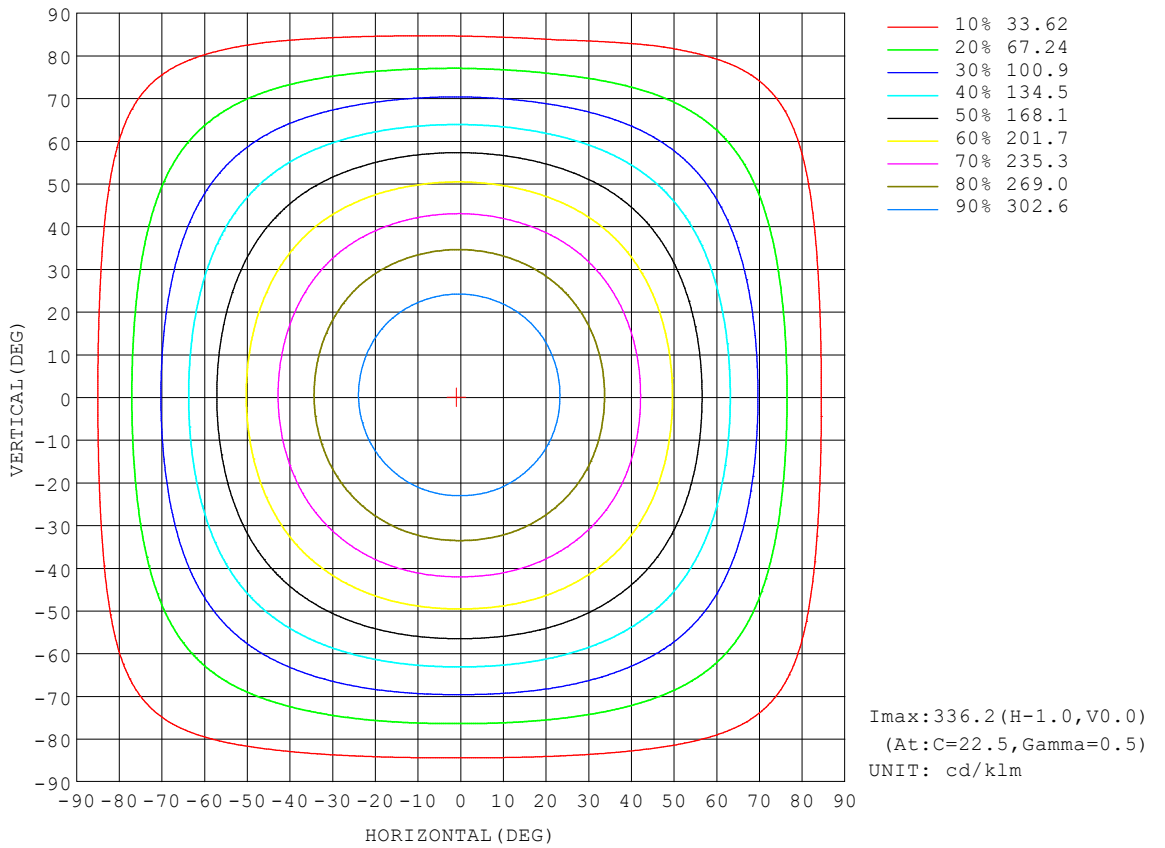
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	44	37	55	44	37	31
0.80	66	54	47	65	54	47	64	53	46	39
1.00	75	63	56	73	63	55	71	64	55	48
1.25	82	71	63	80	70	63	77	69	62	55
1.50	87	76	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	76	67
2.50	98	89	83	96	88	82	92	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	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: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

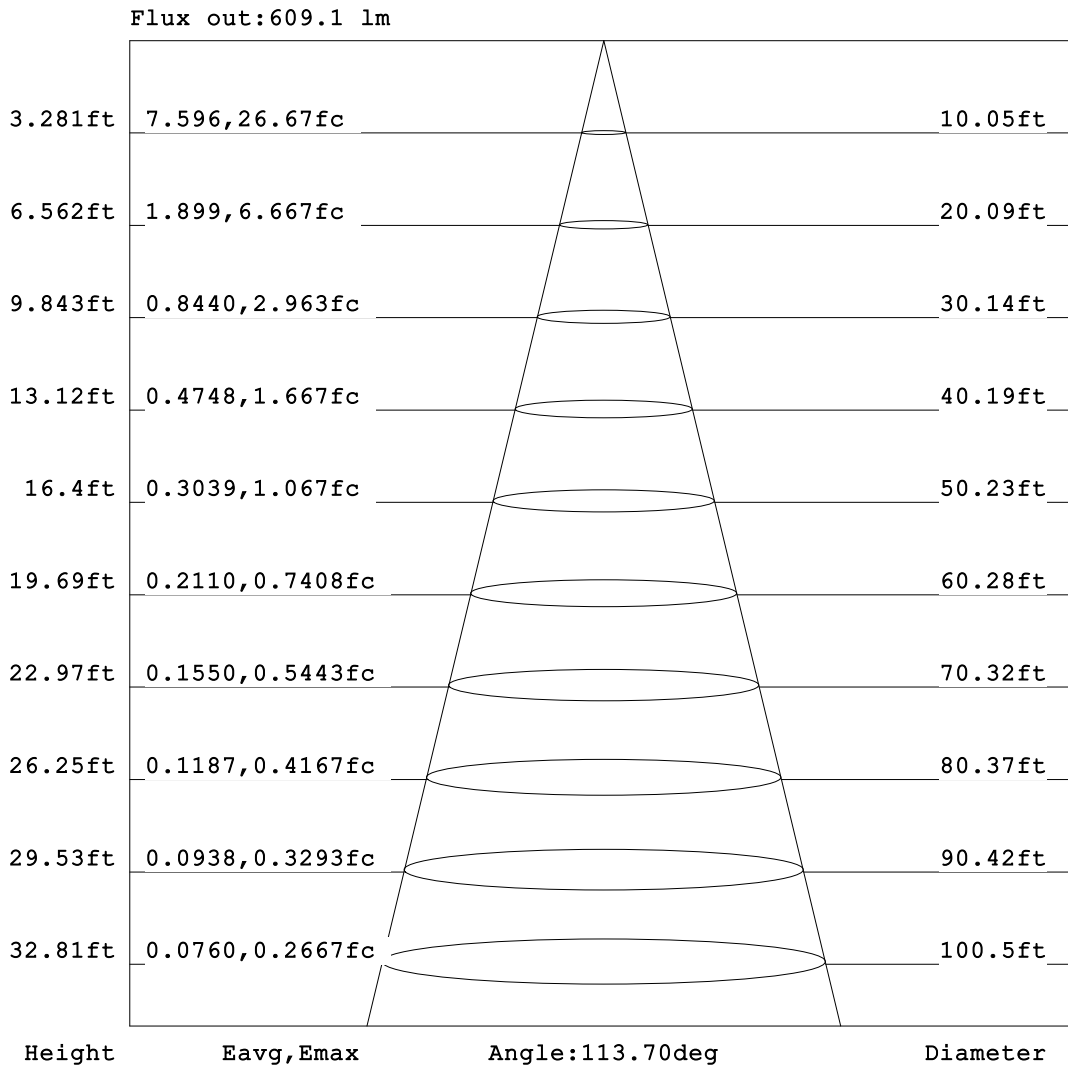


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



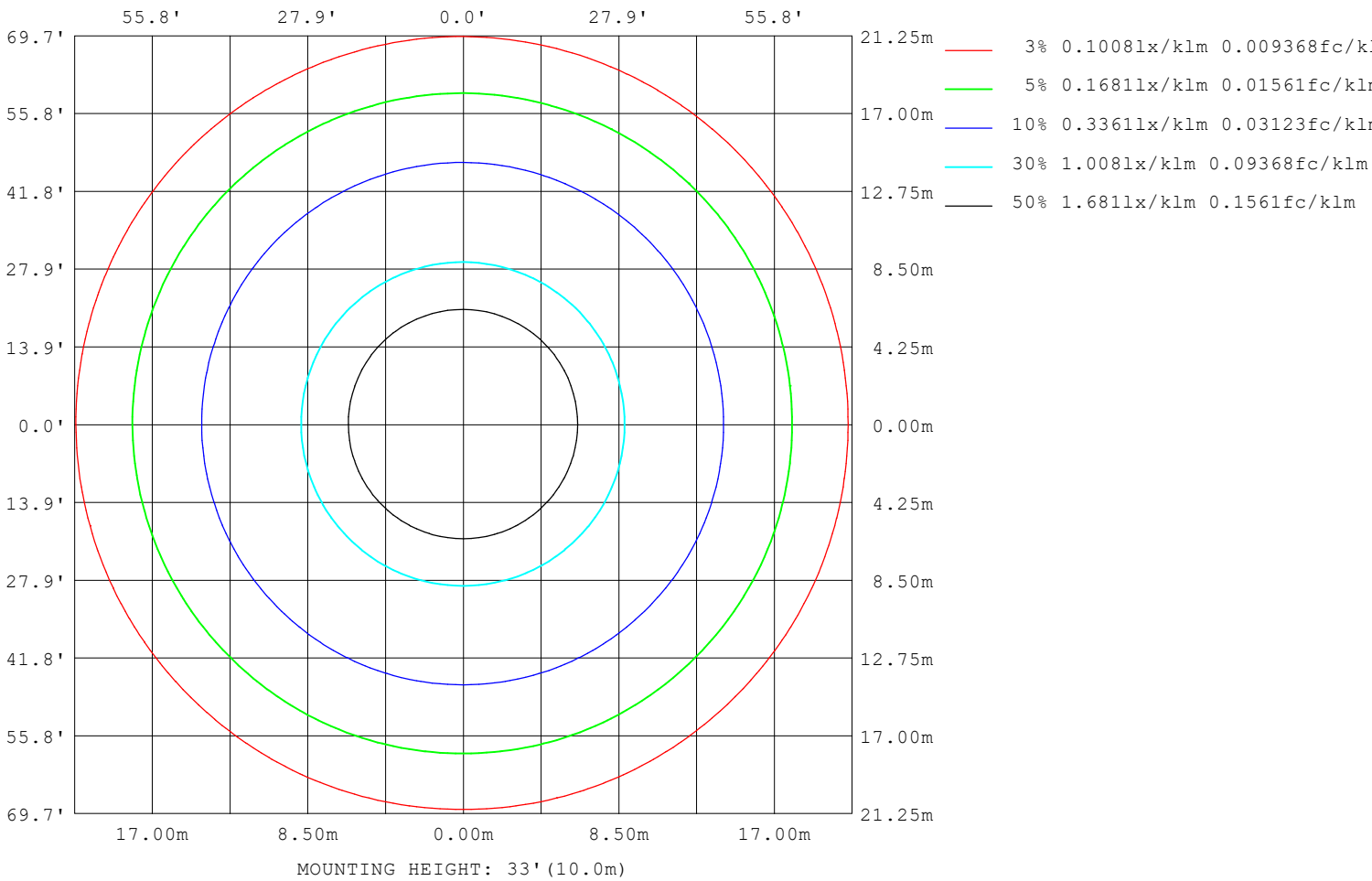
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.70V I:0.1366A P:14.827W PF:0.8991 Freq:59.98Hz Lamp Flux:853.857x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

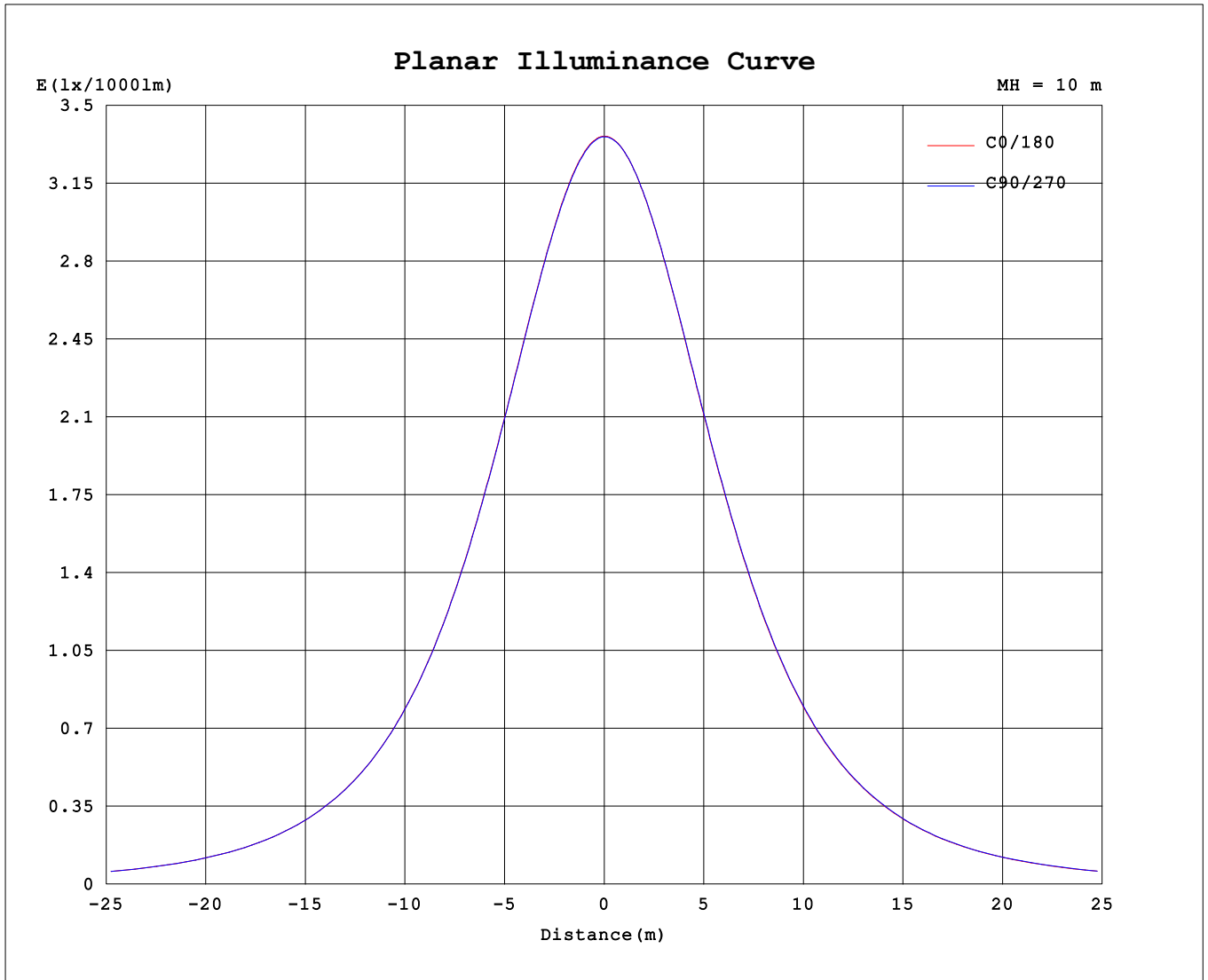
AvgL	cd/m2
L_0~180 (65) av	2300
L_0~180 (75) av	2245
L_0~180 (85) av	2893
L_90~270 (65) av	2305
L_90~270 (75) av	2246
L_90~270 (85) av	2807
L_45 (65) av	2304
L_45 (75) av	2248
L_45 (85) av	2882

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

