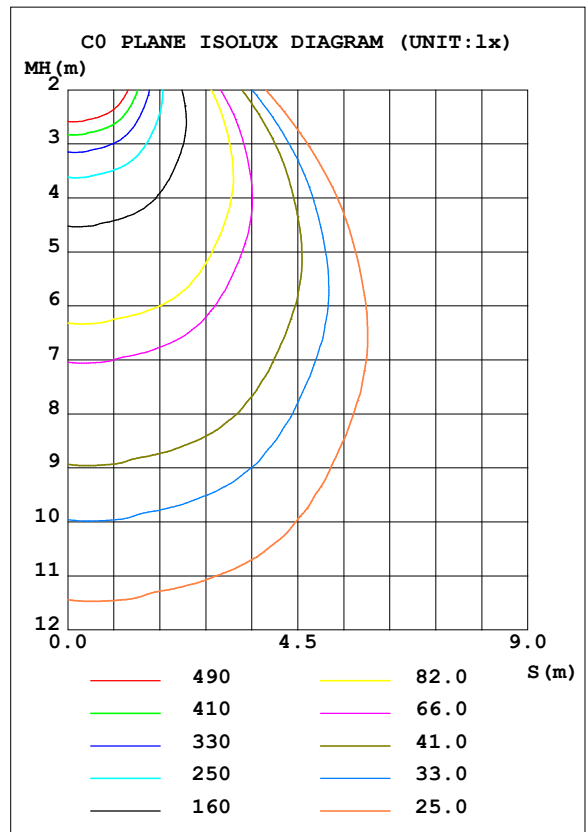
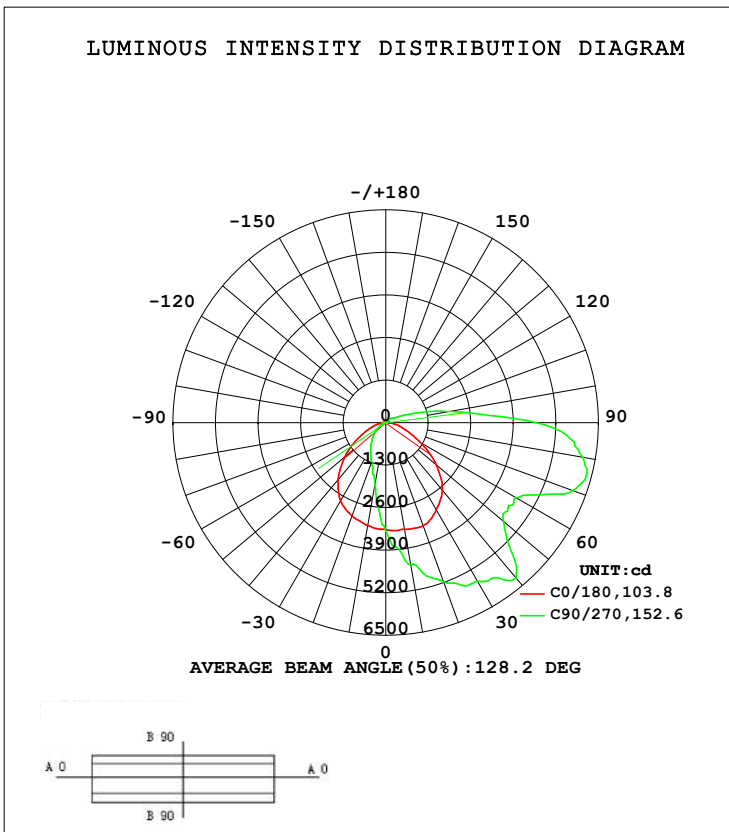


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.82 lm/W			
MODEL	TS-WP15GM-100W-H-TP	I _{max} (cd)	6341	S/MH (C0/180)	1.25
NOMINAL POWER (W)	100	LOR (%)	100.2	S/MH (C90/270)	0.41
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	15366	η UP, DN (C0-180)	9.4, 76.4
NOMINAL FLUX (lm)	15335.7	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	1.1, 13.3
LAMPS INSIDE	1	η up (%)	10.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	89.7	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

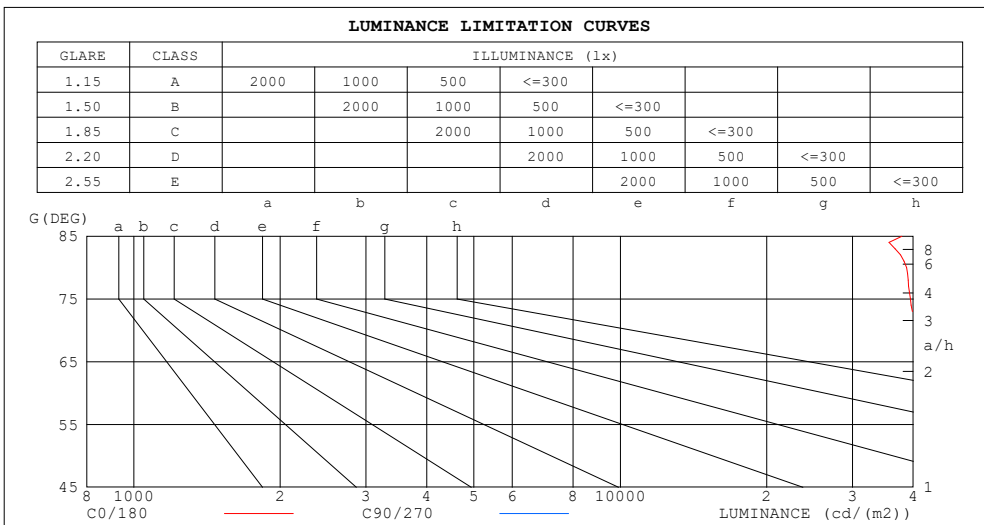
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3314	4181	4403	3947	3191	2326	1941	2323	0- 10	311.4	311.4	2.03,2.03
20	3353	4798	5177	4600	3035	1593	1288	1589	10- 20	894.9	1206	7.85,7.87
30	3082	5199	5596	4952	2766	1149	929.3	1200	20- 30	1447	2653	17.3,17.3
40	2697	5221	6200	4937	2266	826.3	640.9	865.1	30- 40	1899	4552	29.6,29.7
50	2021	4544	4707	4263	1643	548.8	399.9	583.4	40- 50	2075	6627	43.1,43.2
60	1229	3548	4599	3219	988.4	300.2	198.1	330.4	50- 60	1830	8457	55,55.1
70	629.8	3707	6079	3151	508.5	150.7	111.0	169.0	60- 70	1765	10223	66.5,66.7
80	297.7	3728	6116	3126	225.3	90.16	72.12	103.3	70- 80	1940	12162	79.1,79.3
90	103.7	2302	4600	1777	84.43	58.39	50.92	62.60	80- 90	1592	13754	89.5,89.7
100	83.11	1111	1993	905.4	75.75	49.17	44.26	52.80	90-100	874.8	14629	95.2,95.4
110	61.20	433.0	782.6	357.5	59.02	53.98	49.50	60.13	100-110	402.1	15031	97.8,98
120	44.13	184.6	308.0	150.2	48.72	49.93	57.46	54.91	110-120	160.0	15191	98.9,99.1
130	36.35	66.43	199.2	45.58	42.34	48.65	59.93	54.36	120-130	82.20	15273	99.4,99.6
140	31.54	18.92	44.88	24.17	37.21	45.75	56.23	51.27	130-140	41.45	15315	99.7,99.9
150	28.96	19.10	16.94	23.68	34.30	43.82	51.11	48.83	140-150	21.62	15336	99.8,100
160	32.12	23.96	23.04	29.42	36.34	43.02	48.43	49.43	150-160	16.10	15352	99.9,100
170	35.15	29.56	29.81	36.53	36.89	40.03	43.95	47.41	160-170	10.51	15363	100,100
180	36.62	34.91	35.89	43.02	36.74	34.99	35.94	43.09	170-180	3.646	15366	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	37892	1468034
80	38782	796873
75	39467	554281
70	41661	402140
65	47443	278644
60	55615	208092
55	64360	179964
50	71141	165678
45	76216	171021

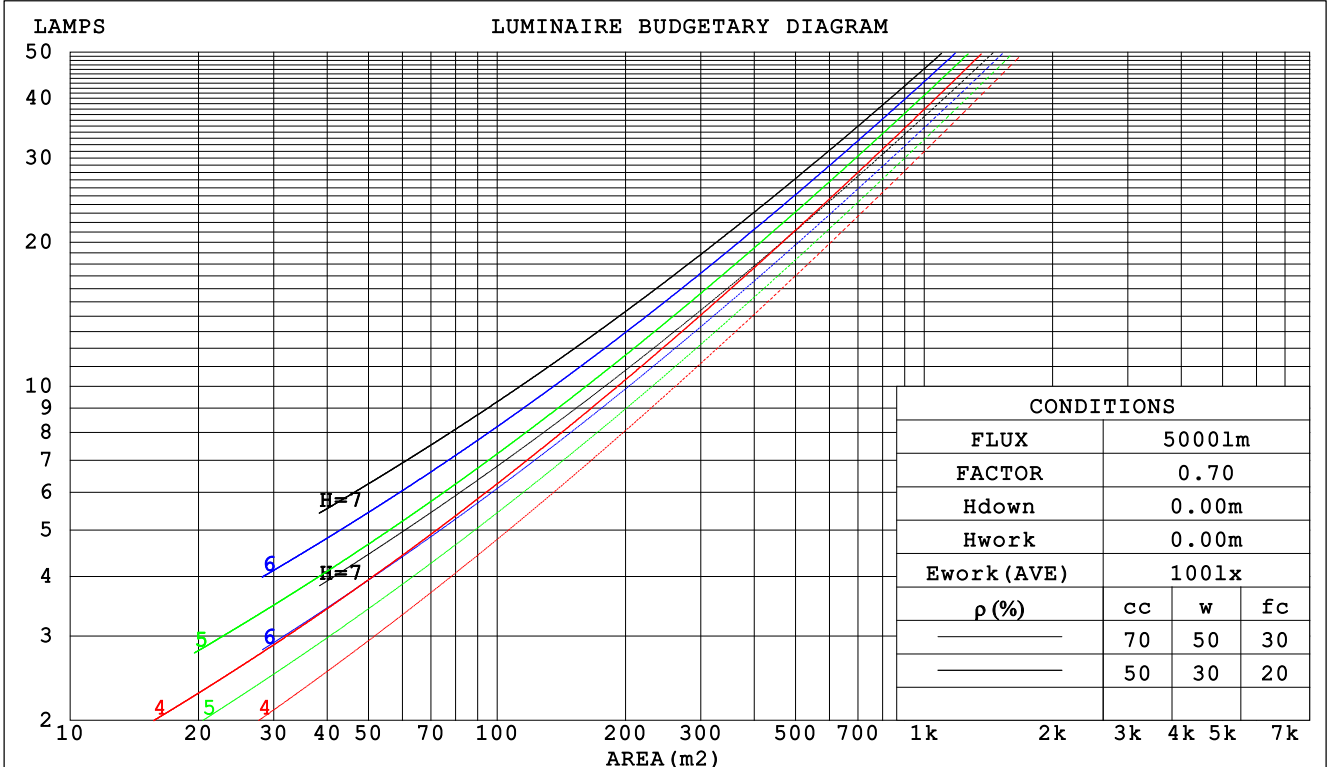
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1.0	.95	.89	.84	.92	.87	.82	.86	.81	.77	.80	.76	.73	.74	.71	.69	.66
2.0	.81	.72	.65	.78	.70	.64	.73	.66	.60	.68	.62	.57	.63	.59	.55	.52
3.0	.70	.60	.53	.67	.59	.52	.63	.55	.49	.59	.52	.47	.55	.49	.45	.42
4.0	.61	.51	.44	.59	.50	.43	.55	.47	.41	.52	.45	.39	.48	.42	.38	.35
5.0	.54	.45	.37	.53	.43	.36	.49	.41	.35	.46	.39	.34	.43	.37	.32	.30
6.0	.49	.39	.32	.47	.38	.31	.44	.36	.30	.42	.35	.29	.39	.33	.28	.26
7.0	.44	.35	.28	.43	.34	.28	.40	.32	.27	.38	.31	.26	.35	.29	.25	.22
8.0	.40	.31	.25	.39	.30	.24	.37	.29	.24	.34	.28	.23	.33	.27	.22	.20
9.0	.37	.28	.22	.36	.27	.22	.34	.26	.21	.32	.25	.20	.30	.24	.20	.18
10.0	.34	.25	.20	.33	.25	.20	.31	.24	.19	.29	.23	.18	.28	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.429	.244	.077	.418	.239	.076	.399	.229	.073	.380	.219	.070	.364	.211	.068	
2.0	.361	.198	.061	.351	.194	.060	.334	.185	.058	.317	.178	.056	.302	.171	.054	
3.0	.315	.168	.050	.307	.164	.049	.291	.158	.048	.276	.151	.046	.262	.145	.045	
4.0	.281	.146	.043	.273	.143	.042	.259	.137	.041	.245	.132	.040	.233	.127	.039	
5.0	.253	.129	.037	.246	.127	.037	.233	.122	.036	.221	.117	.035	.210	.112	.034	
6.0	.231	.116	.033	.225	.113	.033	.213	.109	.032	.202	.105	.031	.192	.101	.030	
7.0	.212	.105	.030	.207	.103	.029	.196	.099	.029	.186	.095	.028	.176	.092	.027	
8.0	.196	.096	.027	.191	.094	.027	.181	.091	.026	.172	.087	.025	.164	.084	.024	
9.0	.182	.088	.025	.178	.087	.024	.169	.084	.024	.161	.080	.023	.153	.078	.022	
10.0	.170	.082	.023	.166	.080	.022	.158	.077	.022	.150	.075	.021	.143	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.271	.271	.271	.232	.232	.232	.158	.158	.158	.091	.091	.091	.029	.029	.029	
1.0	.270	.236	.206	.231	.203	.177	.158	.139	.123	.091	.081	.071	.029	.026	.023	
2.0	.263	.213	.171	.225	.183	.148	.154	.127	.103	.089	.074	.061	.029	.024	.020	
3.0	.255	.197	.150	.219	.170	.130	.150	.118	.091	.087	.069	.054	.028	.022	.018	
4.0	.247	.184	.136	.212	.159	.118	.146	.111	.083	.084	.065	.049	.027	.021	.016	
5.0	.239	.174	.126	.205	.151	.110	.141	.105	.078	.082	.062	.046	.026	.020	.015	
6.0	.231	.166	.119	.198	.144	.104	.137	.101	.074	.079	.059	.044	.026	.019	.014	
7.0	.223	.159	.114	.192	.138	.100	.133	.097	.071	.077	.057	.042	.025	.019	.014	
8.0	.216	.154	.110	.186	.133	.096	.129	.094	.068	.075	.055	.041	.024	.018	.013	
9.0	.210	.149	.107	.181	.129	.094	.125	.091	.067	.073	.054	.040	.024	.018	.013	
10.0	.204	.144	.105	.176	.125	.092	.122	.088	.065	.071	.052	.039	.023	.017	.013	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm										
NAME: TS-WP15GM-100W-H-TP					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.: 0.26*0.17			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	27.8	29.4	28.4	29.9	30.5	31.4	33.0	32.0	33.5	34.1
3H	29.1	30.5	29.6	31.0	31.6	36.4	37.8	36.9	38.3	38.9
4H	29.7	31.0	30.2	31.6	32.2	38.9	40.2	39.4	40.8	41.4
6H	30.1	31.4	30.7	32.0	32.6	41.3	42.6	41.8	43.1	43.7
8H	30.2	31.5	30.8	32.0	32.7	42.5	43.7	43.0	44.3	44.9
12H	30.3	31.5	30.8	32.0	32.7	43.7	44.9	44.3	45.5	46.2
4H 2H	29.9	31.3	30.5	31.8	32.4	32.0	33.4	32.5	33.9	34.5
3H	32.0	33.2	32.5	33.8	34.4	37.2	38.4	37.8	39.0	39.6
4H	33.0	34.1	33.6	34.7	35.4	40.0	41.1	40.5	41.6	42.3
6H	33.7	34.7	34.3	35.3	36.0	42.6	43.6	43.2	44.2	44.9
8H	33.9	34.8	34.5	35.4	36.1	44.0	44.9	44.6	45.5	46.2
12H	34.0	34.8	34.6	35.5	36.2	45.4	46.3	46.0	46.9	47.6
8H 4H	35.8	36.8	36.4	37.4	38.1	40.3	41.2	40.9	41.8	42.5
6H	37.0	37.8	37.6	38.4	39.1	43.3	44.1	43.9	44.7	45.4
8H	37.3	38.0	37.9	38.7	39.4	44.8	45.6	45.4	46.2	46.9
12H	37.5	38.1	38.1	38.8	39.6	46.6	47.2	47.2	47.9	48.6
12H 4H	36.8	37.6	37.4	38.3	39.0	40.3	41.2	40.9	41.8	42.5
6H	38.2	39.0	38.9	39.6	40.3	43.3	44.1	44.0	44.7	45.5
8H	38.8	39.5	39.4	40.1	40.9	45.0	45.7	45.6	46.3	47.1
CIE190: 2010										

CIE190: 2010
Area: 0.0442 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:7.100m [K=1.0000]
Test Date:2023-08-12	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

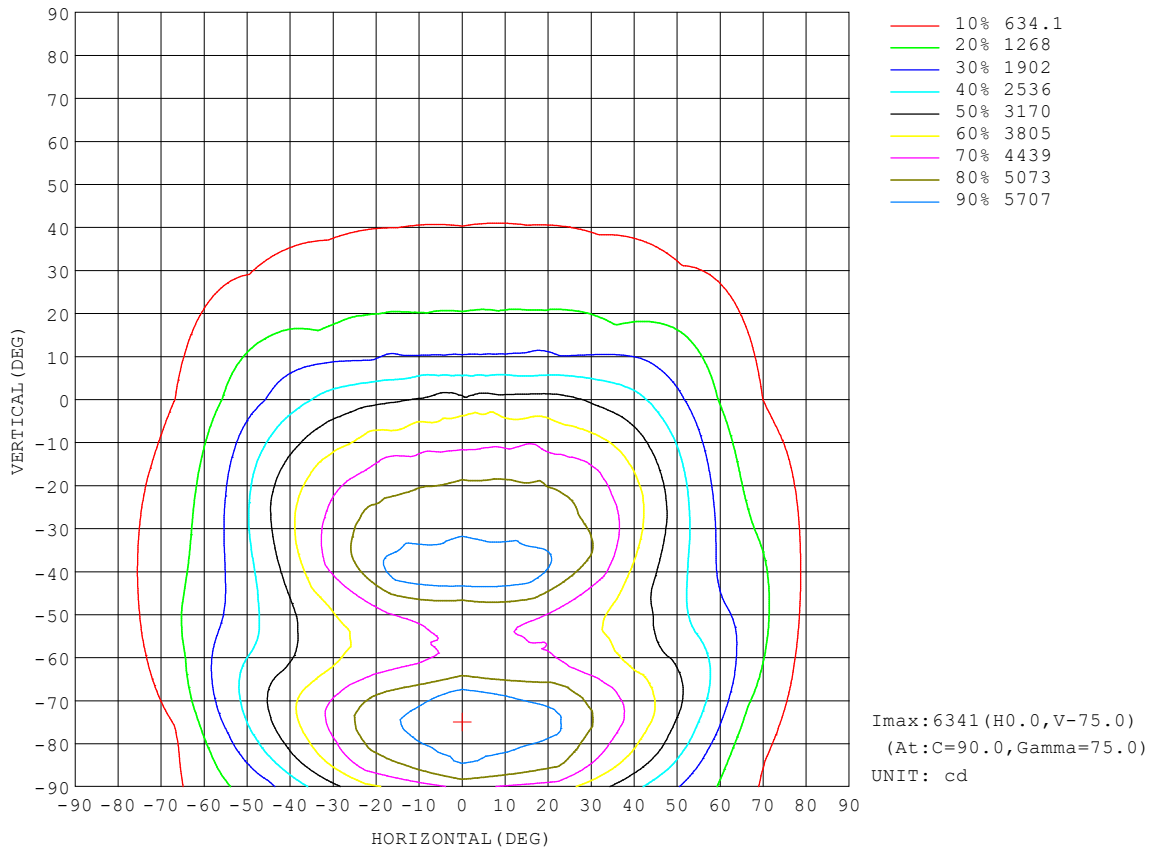
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	49	36	29	48	36	29	46	35	28	22
0.80	58	45	36	57	44	36	54	43	36	28
1.00	65	52	44	64	51	43	61	53	42	34
1.25	72	59	50	70	58	50	67	56	49	40
1.50	77	65	56	75	63	55	71	61	53	44
2.00	84	73	64	82	71	63	77	68	61	51
2.50	89	78	70	86	76	68	81	73	66	55
3.00	93	83	75	90	81	73	84	77	70	59
4.00	97	89	82	94	86	80	88	82	76	64
5.00	101	93	87	97	90	85	91	85	80	67
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:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

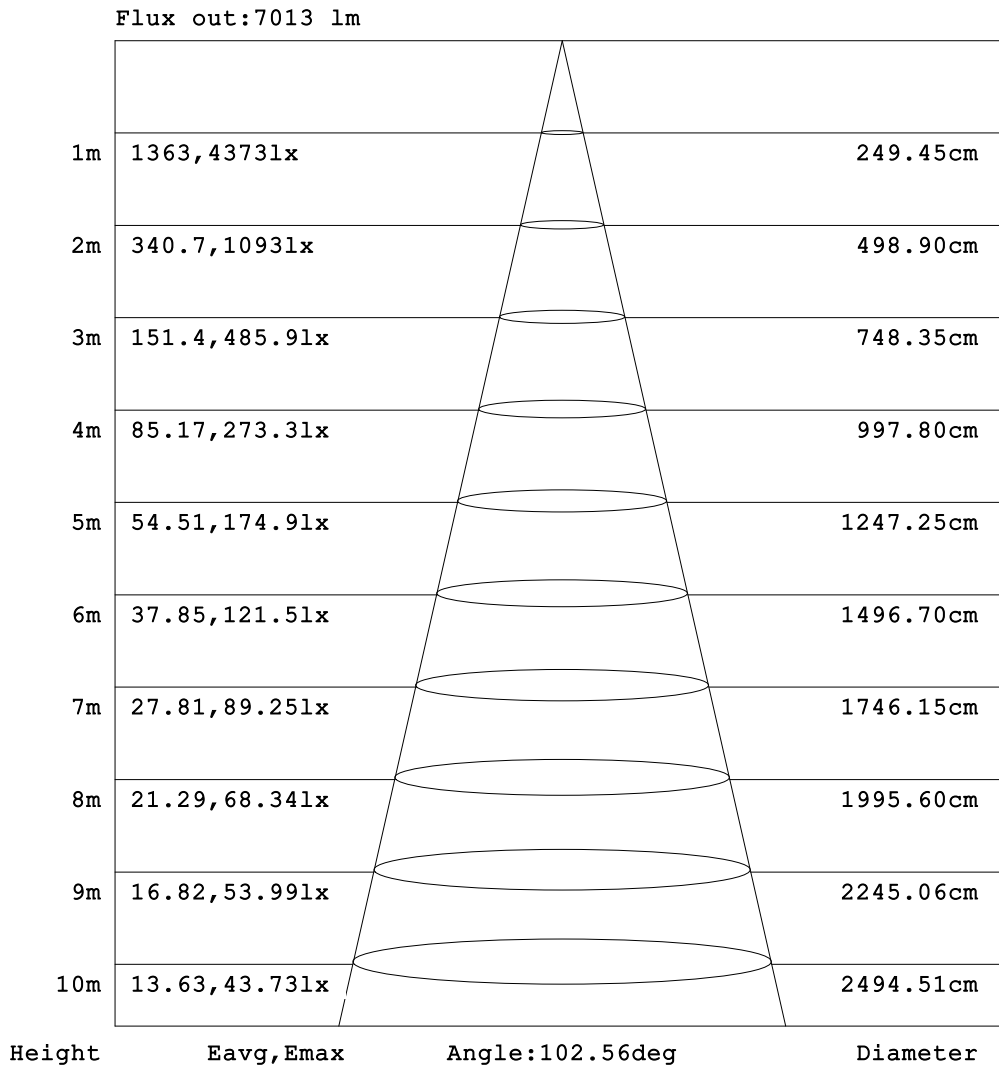


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-08-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:



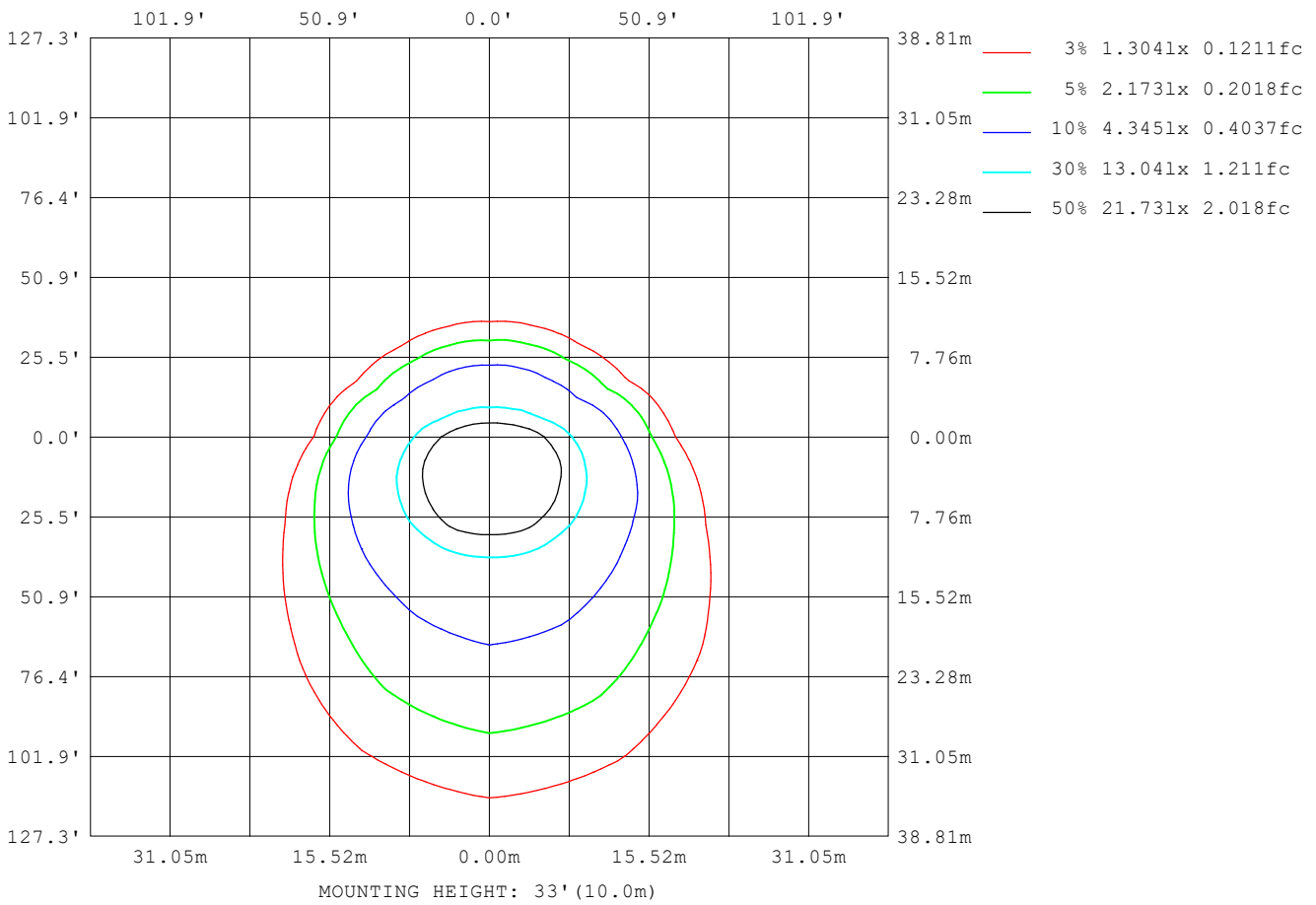
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

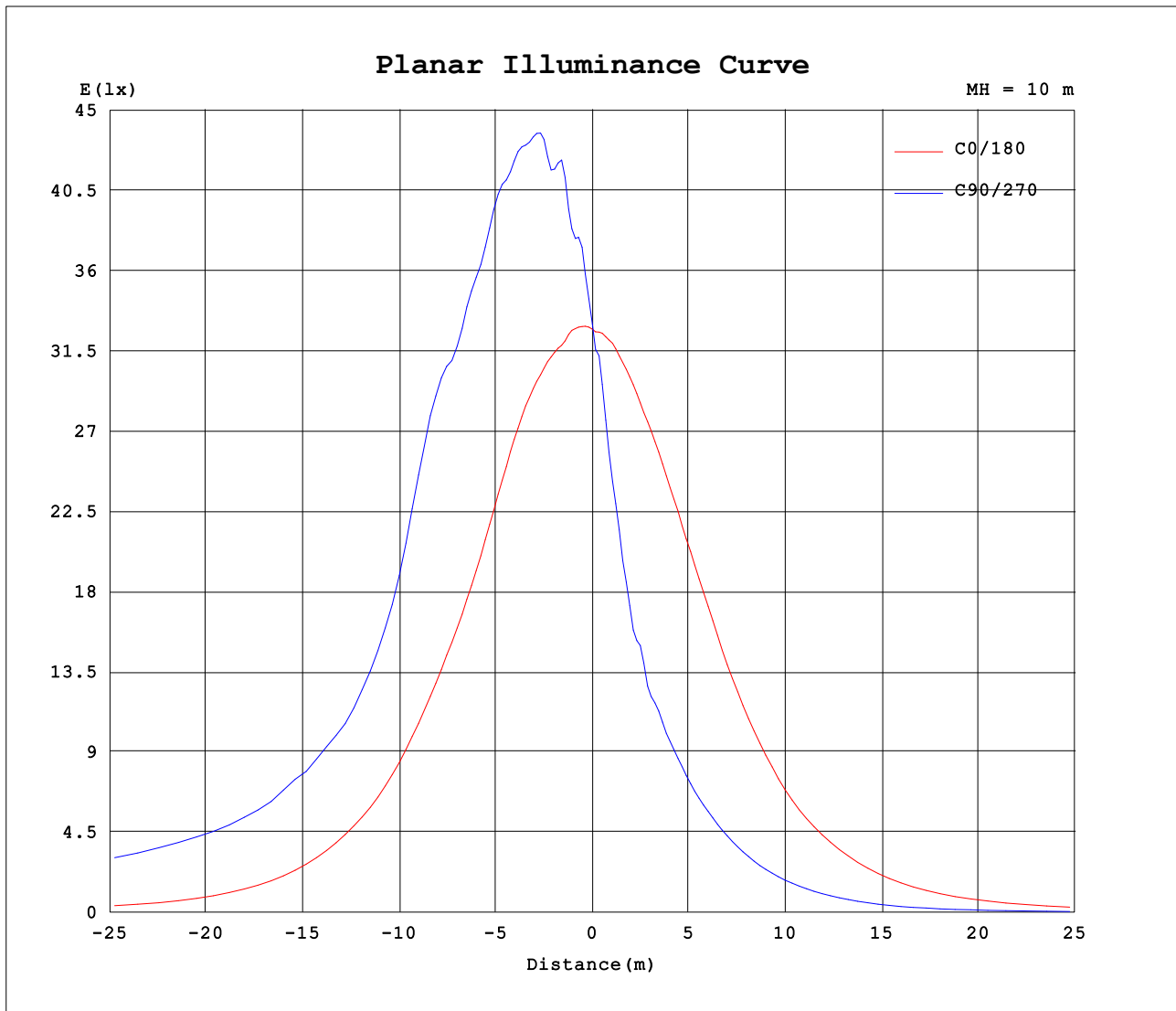
AvgL	cd/m2
L_0~180 (65) av	42778
L_0~180 (75) av	35299
L_0~180 (85) av	33281
L_90~270 (65) av	143099
L_90~270 (75) av	281274
L_90~270 (85) av	742037
L_45 (65) av	94362
L_45 (75) av	165307
L_45 (85) av	381105

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.30V I:0.8595A P:103.25W PF:0.9986 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15335.7x1 lm		
NAME: TS-WP15GM-100W-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.26*0.17	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	3272	3257	3297	3220	3303	3191	3189	3179	3272	3257	3297	3220	3303	3191	3189	3179			
5	3314	3675	3840	3833	3825	3818	3768	3450	3249	3150	2896	2666	2612	2656	2868	3124			
10	3314	3787	4181	4415	4403	4371	3947	3704	3191	2774	2326	2007	1941	2016	2323	2790			
15	3347	3945	4371	4773	4853	4647	4304	3718	3112	2384	1839	1636	1552	1635	1883	2465			
20	3353	4232	4798	5080	5177	4958	4600	3901	3035	2086	1593	1343	1288	1349	1589	2179			
25	3258	4197	5015	5352	5489	5250	4814	3956	2915	1773	1332	1146	1100	1168	1343	1893			
30	3082	4336	5199	5533	5596	5539	4952	3937	2766	1517	1149	975	929	993	1200	1634			
35	2904	4347	5278	5711	5780	5688	5038	3909	2531	1317	988	833	783	850	1030	1419			
40	2697	4184	5221	6076	6200	5963	4937	3744	2266	1175	826	692	641	708	865	1236			
45	2382	3893	5108	5690	5345	5579	4695	3512	1949	1001	685	559	515	575	720	1069			
50	2021	3492	4544	4821	4707	4678	4263	3106	1643	816	549	438	400	453	583	898			
55	1632	2994	3915	4373	4562	4195	3670	2592	1322	647	420	324	292	338	453	721			
60	1229	2511	3548	4424	4599	4117	3219	2118	988	491	300	222	198	235	330	555			
65	886	2098	3544	4715	5205	4379	3067	1736	712	356	207	157	141	166	233	410			
70	630	1921	3707	5439	6079	5010	3151	1497	509	246	151	121	111	128	169	290			
75	451	1949	3946	5827	6341	5384	3371	1387	356	167	116	98.4	94.6	106	131	195			
80	298	1599	3728	5627	6116	5173	3126	1068	225	118	90.2	76.5	72.1	83.1	103	131			
85	146	967	3177	5177	5655	4707	2543	593	110	85.4	71.8	62.4	61.8	66.7	80.0	93.2			
90	104	671	2302	4136	4600	3656	1777	482	84.4	64.2	58.4	52.4	50.9	55.2	62.6	70.5			
95	95.6	593	1553	2692	2921	2415	1229	412	83.6	58.1	50.0	43.7	42.9	46.1	53.9	64.0			
100	83.1	449	1111	1838	1993	1635	905	303	75.7	61.5	49.2	44.2	44.3	45.7	52.8	67.0			
105	73.4	296	750	1196	1311	1068	606	204	67.7	65.9	52.3	45.6	46.8	47.0	57.8	70.1			
110	61.2	184	433	718	783	646	358	135	59.0	61.5	54.0	47.4	49.5	48.8	60.1	63.7			
115	51.5	106	276	419	470	386	236	85.4	53.1	53.4	51.6	50.3	53.3	52.0	56.7	57.2			
120	44.1	62.5	185	296	308	268	150	57.5	48.7	48.5	49.9	53.1	57.5	55.2	54.9	54.2			
125	39.5	44.1	125	225	255	208	92.8	44.8	44.7	46.2	49.5	54.7	59.4	57.4	54.7	52.7			
130	36.4	35.0	66.4	157	199	138	45.6	39.1	42.3	44.6	48.6	55.7	59.9	58.4	54.4	51.3			
135	34.0	30.6	25.1	86.3	117	70.3	30.1	35.8	39.9	42.5	47.3	55.0	58.8	57.9	53.2	49.3			
140	31.5	27.0	18.9	20.9	44.9	15.2	24.2	32.5	37.2	40.7	45.7	52.9	56.2	56.1	51.3	47.3			
145	29.8	24.3	17.2	14.7	14.6	17.0	22.0	30.2	35.3	39.1	44.7	50.5	53.7	53.6	49.8	45.2			
150	29.0	23.4	19.1	16.8	16.9	19.4	23.7	29.5	34.3	38.6	43.8	48.3	51.1	51.2	48.8	44.6			
155	30.2	25.1	21.3	19.3	19.8	22.1	26.2	31.5	35.4	39.4	44.0	47.6	50.0	50.6	49.4	46.5			
160	32.1	27.3	24.0	22.3	23.0	25.3	29.4	35.0	36.3	39.5	43.0	45.9	48.4	49.1	49.4	48.0			
165	33.9	29.7	26.8	25.7	26.6	28.9	33.2	38.8	36.7	39.1	41.7	44.1	46.3	47.1	48.6	48.7			
170	35.1	31.7	29.6	29.0	29.8	32.1	36.5	41.9	36.9	38.2	40.0	41.3	43.9	44.9	47.4	48.8			
175	36.0	33.6	32.2	32.1	32.8	35.3	39.7	44.8	37.0	37.0	37.6	38.5	39.8	42.1	45.4	48.6			
180	36.6	35.4	34.9	35.3	35.9	39.0	43.0	47.5	36.7	35.4	35.0	35.3	35.9	38.9	43.1	47.4			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	3272	3257	3297	3220	3303	3191	3189	3179	3272	3257
3.0	3302	3493	3675	3731	3748	3661	3548	3319	3264	3191
6.0	3320	3743	3848	3880	3900	3842	3804	3527	3247	3103
9.0	3304	3803	4032	4335	4382	4227	3880	3673	3203	2852
12.0	3331	3813	4375	4419	4452	4394	4203	3728	3165	2610
15.0	3347	3945	4371	4773	4853	4647	4304	3718	3112	2384
18.0	3360	4181	4661	4964	5025	4897	4400	3786	3072	2212
21.0	3340	4207	4843	5162	5247	5018	4679	3943	3011	2013
24.0	3280	4182	4964	5297	5391	5196	4786	3973	2953	1828
27.0	3189	4275	5104	5500	5576	5373	4876	3930	2863	1665
30.0	3082	4336	5199	5533	5596	5539	4952	3937	2766	1517
33.0	2980	4355	5270	5623	5759	5581	5040	3918	2637	1383
36.0	2863	4330	5263	5732	5849	5728	5023	3889	2479	1288
39.0	2742	4235	5220	5999	6176	5871	4978	3776	2318	1205
42.0	2585	4086	5220	6072	5981	5979	4859	3667	2151	1109
45.0	2382	3893	5108	5690	5345	5579	4695	3512	1949	1001
48.0	2162	3669	4803	5152	4905	4994	4465	3285	1760	887.9
51.0	1951	3392	4402	4671	4609	4537	4142	3007	1582	780.6
54.0	1717	3092	4022	4376	4591	4240	3785	2691	1389	679.4
57.0	1470	2792	3722	4387	4627	4160	3467	2391	1186	583.7
60.0	1229	2511	3548	4424	4599	4117	3219	2118	988.4	491.5
63.0	1012	2259	3566	4579	4869	4234	3116	1881	813.3	407.3
66.0	827.8	2030	3558	4848	5394	4480	3051	1670	666.6	331.9
69.0	674.3	1928	3638	5353	5983	4904	3102	1525	544.8	265.5
72.0	549.8	1942	3869	5633	6203	5199	3289	1456	443.0	209.7
75.0	451.5	1949	3946	5827	6341	5384	3371	1387	356.1	167.0
78.0	358.9	1791	3900	5792	6217	5318	3269	1227	278.7	135.1
81.0	265.1	1480	3637	5536	5992	5084	3035	975.1	195.6	111.1
84.0	164.7	1097	3325	5282	5790	4847	2683	671.3	122.5	91.35
87.0	117.5	773.1	2859	4848	5381	4348	2226	516.3	94.20	75.13
90.0	103.7	671.2	2302	4136	4600	3656	1777	482.0	84.43	64.22
93.0	99.15	625.4	1808	3244	3552	2839	1417	452.7	84.62	59.14
96.0	93.77	569.7	1457	2493	2720	2218	1151	389.4	80.90	58.28
99.0	84.93	482.6	1186	1990	2159	1766	963.3	324.5	77.11	60.31
102.0	79.37	383.8	962.5	1580	1711	1399	788.0	261.3	72.62	63.92
105.0	73.39	296.5	750.0	1196	1311	1068	606.4	204.4	67.74	65.86
108.0	65.25	224.0	536.9	891.1	952.3	803.0	440.3	160.3	61.72	64.11
111.0	59.16	165.6	395.2	645.4	697.9	588.7	325.8	121.9	57.85	59.92
114.0	53.38	117.4	301.9	471.7	516.0	425.0	254.2	92.65	54.57	54.84
117.0	47.72	86.19	231.6	347.0	384.8	328.3	199.3	73.15	51.30	51.07
120.0	44.13	62.49	184.6	296.4	308.0	267.9	150.2	57.53	48.72	48.45
123.0	41.19	50.19	149.2	258.9	286.4	242.1	114.5	48.83	46.09	46.79
126.0	38.78	41.73	112.3	209.4	240.8	191.4	81.23	43.49	44.17	45.96
129.0	36.86	36.11	76.53	169.5	208.2	149.8	53.77	39.92	42.76	44.94
132.0	35.39	32.94	44.81	130.8	171.1	111.6	36.26	37.63	41.47	43.78
135.0	34.03	30.58	25.14	86.28	117.1	70.35	30.13	35.76	39.91	42.54
138.0	32.50	28.38	20.84	50.12	73.62	35.44	26.08	33.81	38.26	41.41
141.0	31.12	26.38	18.29	13.62	36.99	15.53	23.45	31.98	36.77	40.33
144.0	30.02	24.76	17.16	14.41	14.21	16.62	22.12	30.55	35.62	39.22
147.0	29.24	23.58	17.91	15.48	15.46	17.90	22.26	29.50	34.76	38.80
150.0	28.96	23.41	19.10	16.77	16.94	19.41	23.68	29.49	34.30	38.61
153.0	29.53	24.29	20.41	18.30	18.63	21.02	25.18	30.54	34.75	39.25
156.0	30.66	25.53	21.83	19.92	20.39	22.71	26.80	32.18	35.63	39.49
159.0	31.76	26.83	23.40	21.71	22.38	24.61	28.74	34.21	36.18	39.51
162.0	32.77	28.19	25.04	23.63	24.35	26.64	30.83	36.35	36.56	39.59
165.0	33.92	29.66	26.83	25.70	26.58	28.89	33.21	38.79	36.67	39.06
168.0	34.68	30.93	28.48	27.67	28.56	30.90	35.29	40.78	36.77	38.73
171.0	35.35	32.14	30.12	29.60	30.40	32.75	37.15	42.54	36.96	37.97
174.0	35.87	33.27	31.67	31.49	32.14	34.62	39.01	44.19	36.98	37.29
177.0	36.34	34.41	33.34	33.39	33.97	36.59	40.92	45.84	36.91	36.33
180.0	36.62	35.43	34.91	35.32	35.89	38.97	43.02	47.48	36.74	35.39
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	3297	3220	3303	3191	3189	3179				
3.0	3141	3006	2974	2986	3104	3160				
6.0	2759	2517	2461	2511	2746	3072				
9.0	2413	2140	2049	2154	2409	2854				
12.0	2093	1786	1694	1809	2129	2665				
15.0	1839	1636	1552	1635	1883	2465				
18.0	1629	1429	1368	1440	1644	2282				
21.0	1529	1301	1236	1318	1572	2127				
24.0	1354	1183	1133	1194	1391	1956				
27.0	1274	1079	1021	1100	1296	1780				
30.0	1149	975.0	929.3	993.4	1200	1634				

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	1057	890.2	840.1	906.9	1090	1504
36.0	953.1	805.2	753.2	821.3	995.6	1383
39.0	855.9	719.4	668.3	736.5	897.2	1272
42.0	769.4	637.0	588.7	653.3	804.0	1170
45.0	685.0	559.3	514.5	575.1	719.5	1069
48.0	601.9	485.4	444.1	500.7	637.2	966.4
51.0	522.4	415.1	379.1	429.3	556.6	861.8
54.0	445.1	346.5	314.0	361.3	478.4	755.5
57.0	369.0	280.0	249.2	294.6	401.9	652.4
60.0	300.2	221.7	198.1	235.3	330.4	554.8
63.0	239.0	178.2	160.5	189.5	267.9	464.7
66.0	193.7	148.0	133.2	157.4	217.6	384.5
69.0	159.8	125.8	114.9	133.9	179.2	312.3
72.0	135.1	111.3	105.0	118.4	151.8	248.3
75.0	116.1	98.45	94.57	105.6	131.1	194.8
78.0	100.3	84.82	78.68	91.85	114.4	152.5
81.0	85.84	72.84	69.78	79.18	97.97	121.9
84.0	74.81	64.66	63.81	69.40	84.12	99.77
87.0	66.19	58.32	57.52	61.96	72.30	81.89
90.0	58.39	52.35	50.92	55.25	62.60	70.51
93.0	52.15	46.65	45.62	49.27	56.06	64.89
96.0	49.49	43.70	42.57	45.89	53.20	64.08
99.0	48.99	44.04	43.83	45.70	52.54	65.99
102.0	50.05	44.76	45.25	46.15	54.20	69.21
105.0	52.35	45.61	46.77	46.99	57.81	70.06
108.0	54.02	46.51	48.33	47.97	60.01	66.77
111.0	53.75	47.87	50.13	49.26	59.64	62.11
114.0	52.19	49.68	52.44	51.26	57.46	58.28
117.0	50.75	51.67	55.25	53.44	55.63	55.61
120.0	49.93	53.09	57.46	55.21	54.91	54.17
123.0	49.59	54.10	58.69	56.60	54.72	53.28
126.0	49.36	55.03	59.64	57.71	54.72	52.38
129.0	48.84	55.58	59.98	58.27	54.47	51.55
132.0	48.17	55.69	59.75	58.46	54.00	50.61
135.0	47.28	55.04	58.83	57.93	53.16	49.33
138.0	46.23	53.75	57.21	56.76	52.02	48.02
141.0	45.55	52.41	55.74	55.64	50.99	46.86
144.0	44.76	50.87	54.16	53.95	49.99	45.57
147.0	44.51	49.84	52.88	52.79	49.66	44.91
150.0	43.82	48.35	51.11	51.22	48.83	44.58
153.0	43.93	47.81	50.22	50.75	49.06	45.76
156.0	43.93	47.25	49.67	50.31	49.36	46.61
159.0	43.24	46.24	48.52	49.20	49.24	47.72
162.0	42.59	45.11	47.72	48.31	49.10	48.12
165.0	41.69	44.13	46.33	47.09	48.59	48.74
168.0	40.49	42.38	45.36	45.79	47.82	48.84
171.0	39.37	40.61	43.27	44.44	46.87	49.00
174.0	38.08	39.02	40.71	42.76	45.79	48.82
177.0	36.64	37.48	38.10	41.07	44.67	48.13
180.0	34.99	35.28	35.94	38.95	43.09	47.45

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-08-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks: