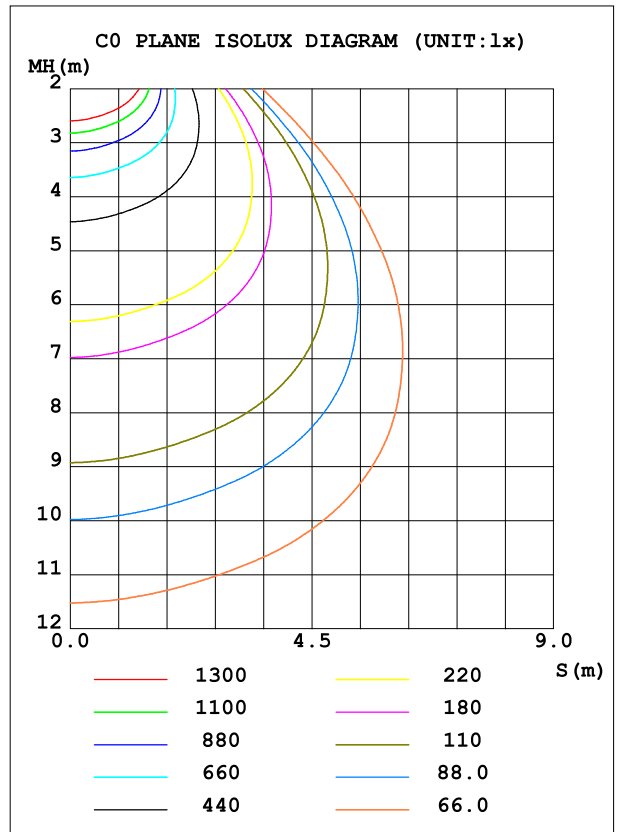
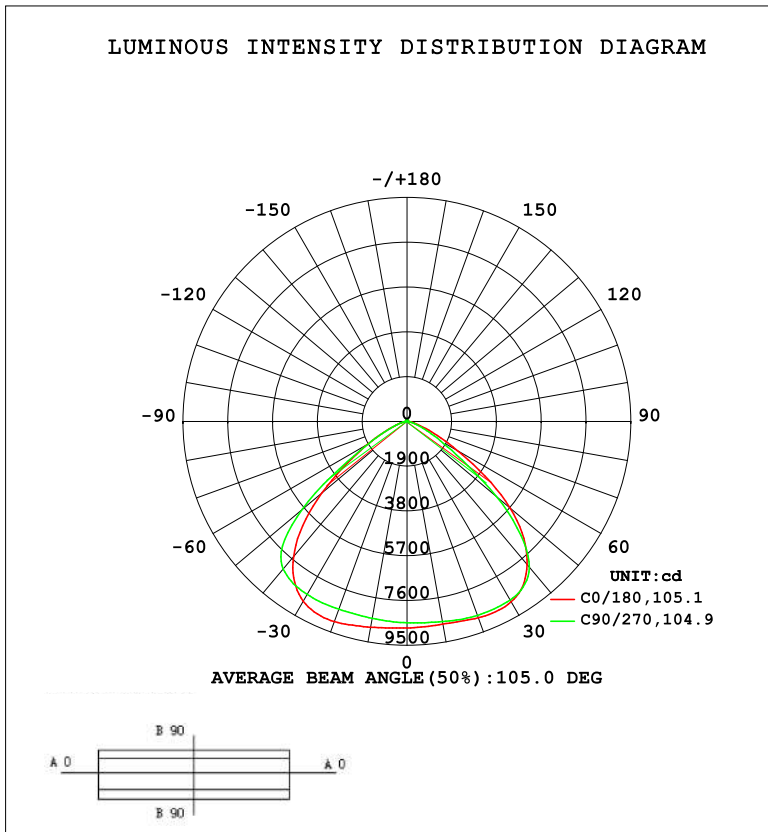


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
1000015964 UHB1210-150W-110-H-TP		Imax (cd)	9044	S/MH (C0/180)	1.42
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.50
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22599	η UP, DN (C0-180)	0.5, 49.1
NOMINAL FLUX (lm)	22599.5	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.7
LAMPS INSIDE	1	η up (%)	1.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	η down (%)	98.8	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

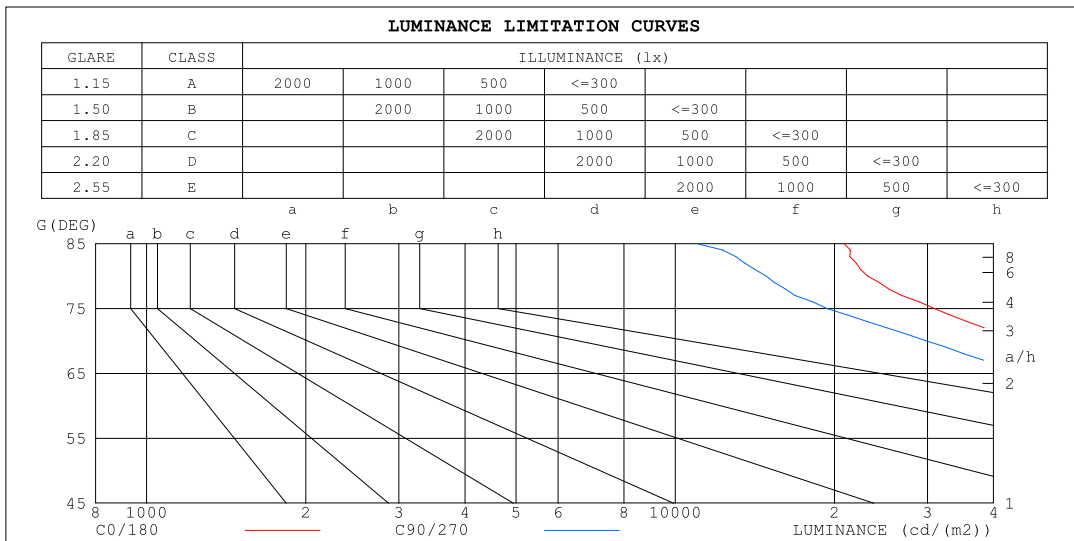
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8734	8638	8623	8634	8862	8635	8482	8437	0- 10	820.3	820.3	3.63,3.63
20	8864	8762	8754	8830	9035	8728	8472	8469	10- 20	2457	3277	14.5,14.5
30	8838	8768	8748	8685	8809	8697	8476	8549	20- 30	4041	7318	32.4,32.4
40	7923	7966	8069	7358	7492	7742	8171	8001	30- 40	5241	12559	55.6,55.6
50	5687	5474	4950	4391	4723	5042	5798	5643	40- 50	5140	17699	78.3,78.3
60	2470	2127	1642	1695	1912	1947	1862	2253	50- 60	3064	20763	91.9,91.9
70	762.9	596.7	501.1	494.1	563.1	564.2	564.8	677.5	60- 70	1160	21923	97,97
80	196.6	156.4	126.5	129.0	134.6	141.6	149.1	179.8	70- 80	341.5	22264	98.5,98.5
90	15.97	13.01	12.20	12.13	17.47	16.89	16.39	18.68	80- 90	74.60	22339	98.8,98.8
100	15.82	16.09	16.80	17.36	24.43	23.43	21.97	20.67	90-100	17.72	22356	98.9,98.9
110	25.01	25.83	27.17	27.38	34.38	33.13	31.91	30.59	100-110	25.64	22382	99,99
120	35.43	36.19	37.08	37.37	44.33	43.02	41.33	40.47	110-120	34.00	22416	99.2,99.2
130	45.77	46.13	46.96	47.01	53.98	52.81	51.43	50.03	120-130	39.60	22456	99.4,99.4
140	54.19	53.98	54.28	54.20	62.26	60.99	59.70	58.69	130-140	41.17	22497	99.5,99.5
150	60.82	60.40	60.85	61.49	71.99	70.35	68.40	67.39	140-150	38.17	22535	99.7,99.7
160	71.17	71.33	72.27	72.33	85.47	83.79	82.18	80.34	150-160	32.68	22568	99.9,99.9
170	83.21	83.78	84.23	83.79	92.84	91.03	89.52	88.12	160-170	23.27	22591	100,100
180	91.62	91.30	90.64	89.78	92.30	91.76	90.90	89.92	170-180	8.457	22599	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20861	10994
80	23102	14868
75	30920	19393
70	45520	29901
65	69293	45020
60	100837	67032
55	144079	101587
50	180569	157172
45	202377	197611

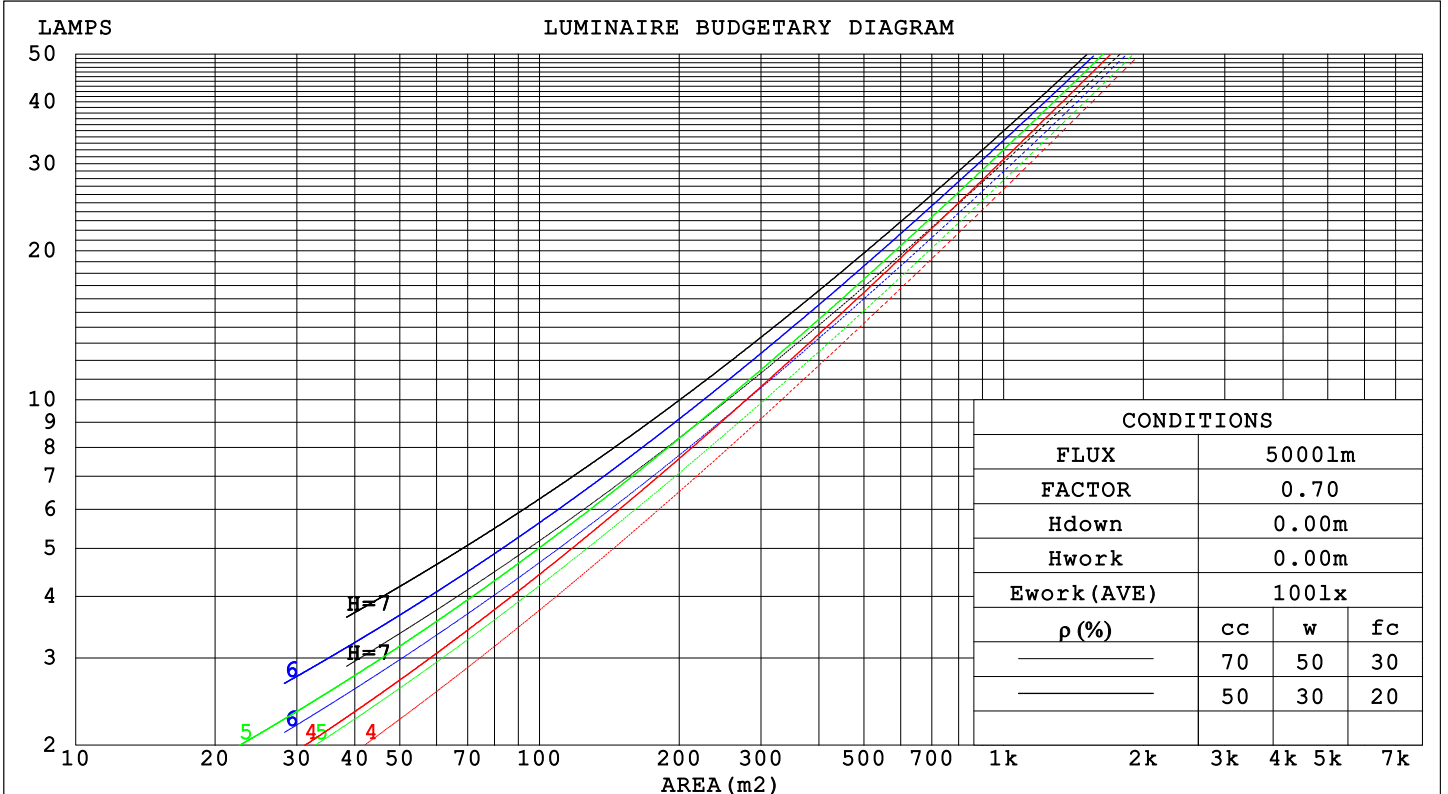
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.73	.69	.75	.71	.68	.66
4.0	.77	.69	.63	.75	.68	.62	.73	.66	.61	.70	.65	.61	.68	.63	.60	.58
5.0	.69	.61	.55	.68	.60	.55	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.62	.54	.48	.61	.54	.48	.60	.53	.48	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.53	.47	.42	.51	.46	.42	.40
8.0	.52	.44	.38	.51	.44	.38	.50	.43	.38	.48	.42	.38	.47	.42	.37	.36
9.0	.48	.40	.35	.47	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	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	.246	.140	.044	.239	.136	.043	.226	.129	.041	.213	.123	.039	.201	.117	.038	
2.0	.241	.132	.040	.235	.129	.040	.223	.124	.038	.212	.119	.037	.202	.114	.036	
3.0	.230	.122	.037	.224	.120	.036	.214	.116	.035	.204	.112	.034	.195	.108	.033	
4.0	.218	.113	.033	.213	.111	.033	.204	.108	.032	.195	.105	.032	.187	.102	.031	
5.0	.205	.105	.030	.201	.103	.030	.193	.100	.030	.185	.098	.029	.178	.095	.029	
6.0	.194	.097	.028	.190	.096	.028	.182	.094	.027	.176	.091	.027	.169	.089	.026	
7.0	.183	.090	.026	.179	.089	.025	.173	.087	.025	.166	.085	.025	.161	.083	.025	
8.0	.173	.084	.024	.170	.083	.024	.164	.082	.023	.158	.080	.023	.153	.078	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.145	.074	.021	
10.0	.155	.074	.021	.152	.074	.021	.147	.072	.020	.143	.071	.020	.138	.070	.020	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.185	.166	.148	.158	.142	.128	.108	.098	.088	.062	.057	.051	.020	.018	.017	
2.0	.174	.141	.113	.149	.121	.098	.102	.084	.068	.059	.049	.040	.019	.016	.013	
3.0	.166	.123	.089	.142	.106	.077	.098	.074	.054	.056	.043	.032	.018	.014	.010	
4.0	.158	.109	.072	.136	.094	.063	.093	.066	.044	.054	.039	.026	.017	.013	.009	
5.0	.151	.099	.060	.130	.085	.052	.089	.060	.037	.052	.035	.022	.017	.011	.007	
6.0	.145	.090	.051	.124	.078	.044	.086	.055	.031	.050	.032	.019	.016	.011	.006	
7.0	.138	.083	.044	.119	.072	.039	.082	.051	.027	.048	.030	.016	.015	.010	.005	
8.0	.133	.077	.039	.114	.067	.034	.079	.047	.024	.046	.028	.015	.015	.009	.005	
9.0	.127	.073	.036	.110	.063	.031	.076	.044	.022	.044	.026	.013	.014	.009	.004	
10.0	.122	.068	.033	.105	.059	.028	.073	.042	.020	.043	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	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	29.6	28.6	30.0	30.3	25.6	27.1	26.0	27.4	27.8
3H	28.6	29.9	29.0	30.2	30.6	26.0	27.3	26.4	27.6	28.0
4H	28.7	29.9	29.1	30.2	30.6	26.1	27.2	26.5	27.6	28.0
6H	28.7	29.8	29.1	30.2	30.6	26.1	27.1	26.5	27.5	28.0
8H	28.7	29.7	29.1	30.1	30.6	26.0	27.1	26.5	27.5	27.9
12H	28.7	29.6	29.1	30.1	30.5	26.0	27.0	26.5	27.4	27.9
4H 2H	28.3	29.4	28.7	29.8	30.2	25.8	27.0	26.2	27.3	27.7
3H	28.8	29.7	29.2	30.1	30.6	26.2	27.2	26.7	27.6	28.1
4H	28.9	29.7	29.3	30.2	30.6	26.3	27.2	26.8	27.6	28.1
6H	28.9	29.6	29.4	30.1	30.6	26.3	27.1	26.8	27.6	28.0
8H	28.9	29.6	29.4	30.1	30.5	26.3	27.0	26.8	27.5	28.0
12H	28.9	29.5	29.4	30.0	30.5	26.3	26.9	26.8	27.4	27.9
8H 4H	28.8	29.5	29.3	30.0	30.5	26.3	27.0	26.8	27.4	27.9
6H	28.8	29.4	29.4	29.9	30.4	26.3	26.9	26.8	27.4	27.9
8H	28.8	29.4	29.4	29.9	30.4	26.3	26.8	26.9	27.4	27.9
12H	28.9	29.3	29.4	29.8	30.4	26.3	26.8	26.8	27.3	27.9
12H 4H	28.8	29.4	29.3	29.9	30.4	26.2	26.9	26.8	27.4	27.9
6H	28.8	29.3	29.3	29.8	30.4	26.3	26.8	26.8	27.3	27.9
8H	28.8	29.3	29.4	29.8	30.4	26.3	26.8	26.8	27.3	27.9

CIE190: 2010										

CIE190: 2010
Area: 0.049 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:

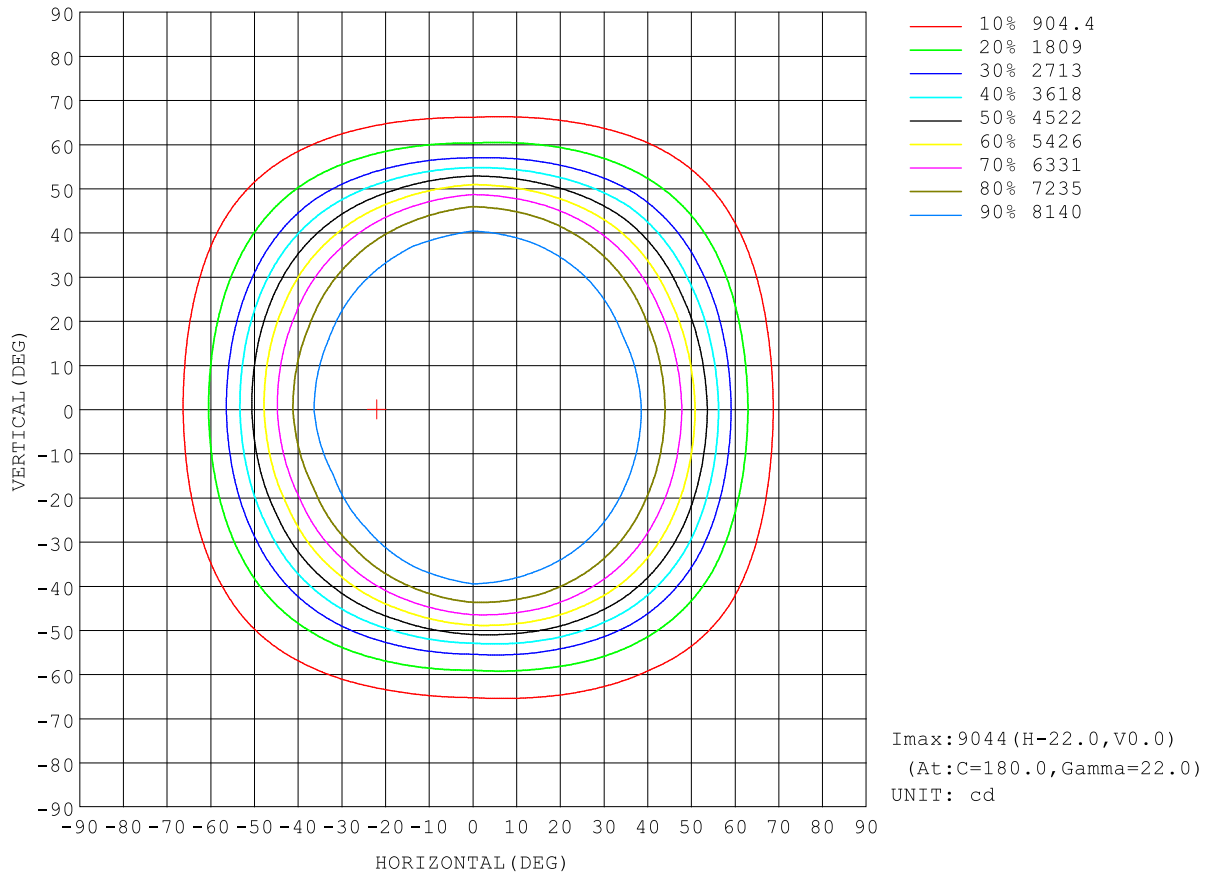
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	63	53	46	62	52	46	61	52	46	40
0.80	74	64	57	73	63	57	71	62	56	50
1.00	83	73	67	81	73	67	79	73	66	60
1.25	90	81	75	88	80	74	86	79	74	67
1.50	94	86	80	93	85	80	90	83	79	72
2.00	100	93	88	98	92	87	95	90	86	79
2.50	103	97	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	92	85
4.00	109	104	101	107	102	99	102	99	96	88
5.00	111	107	103	108	105	102	104	101	98	90
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:DAMIN
 Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:



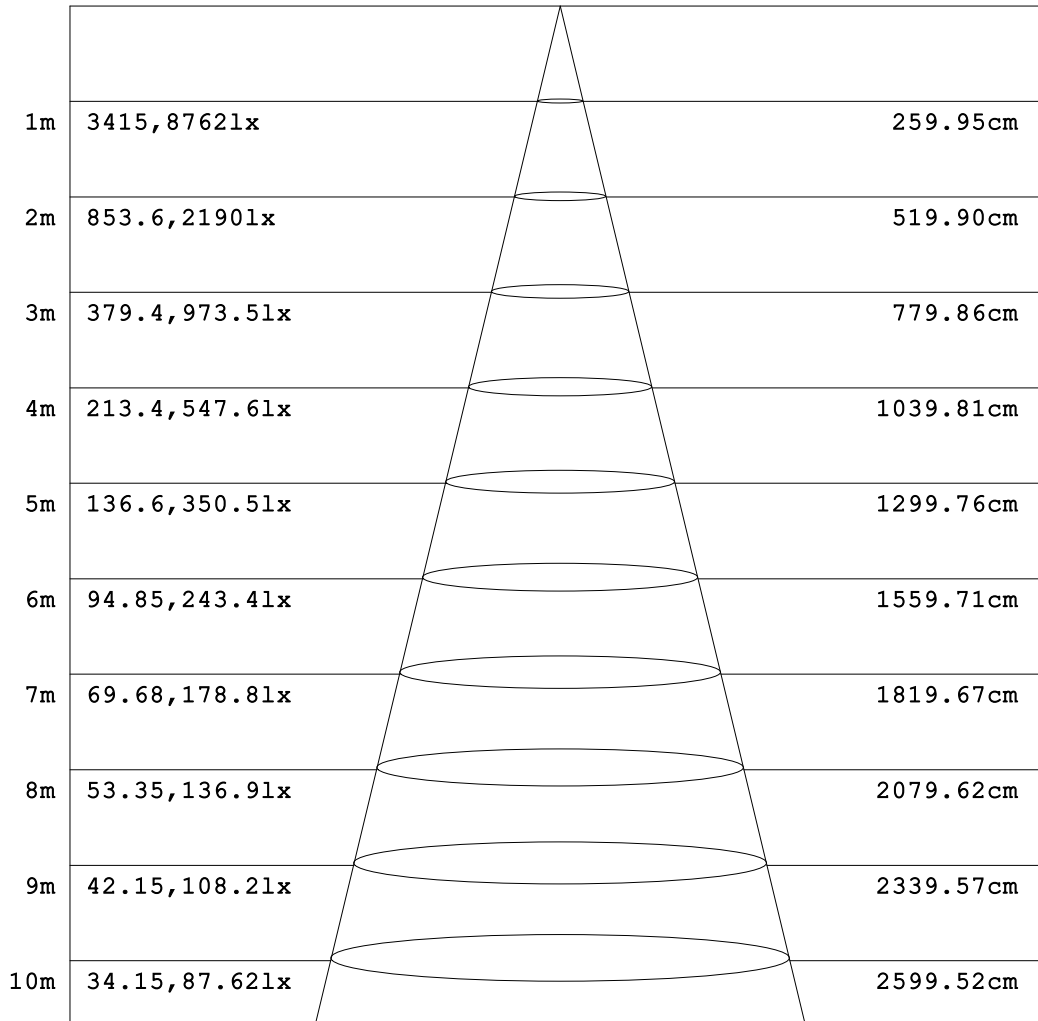
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:

Flux out:18891 lm



Height Eavg, Emax Angle:104.85deg Diameter

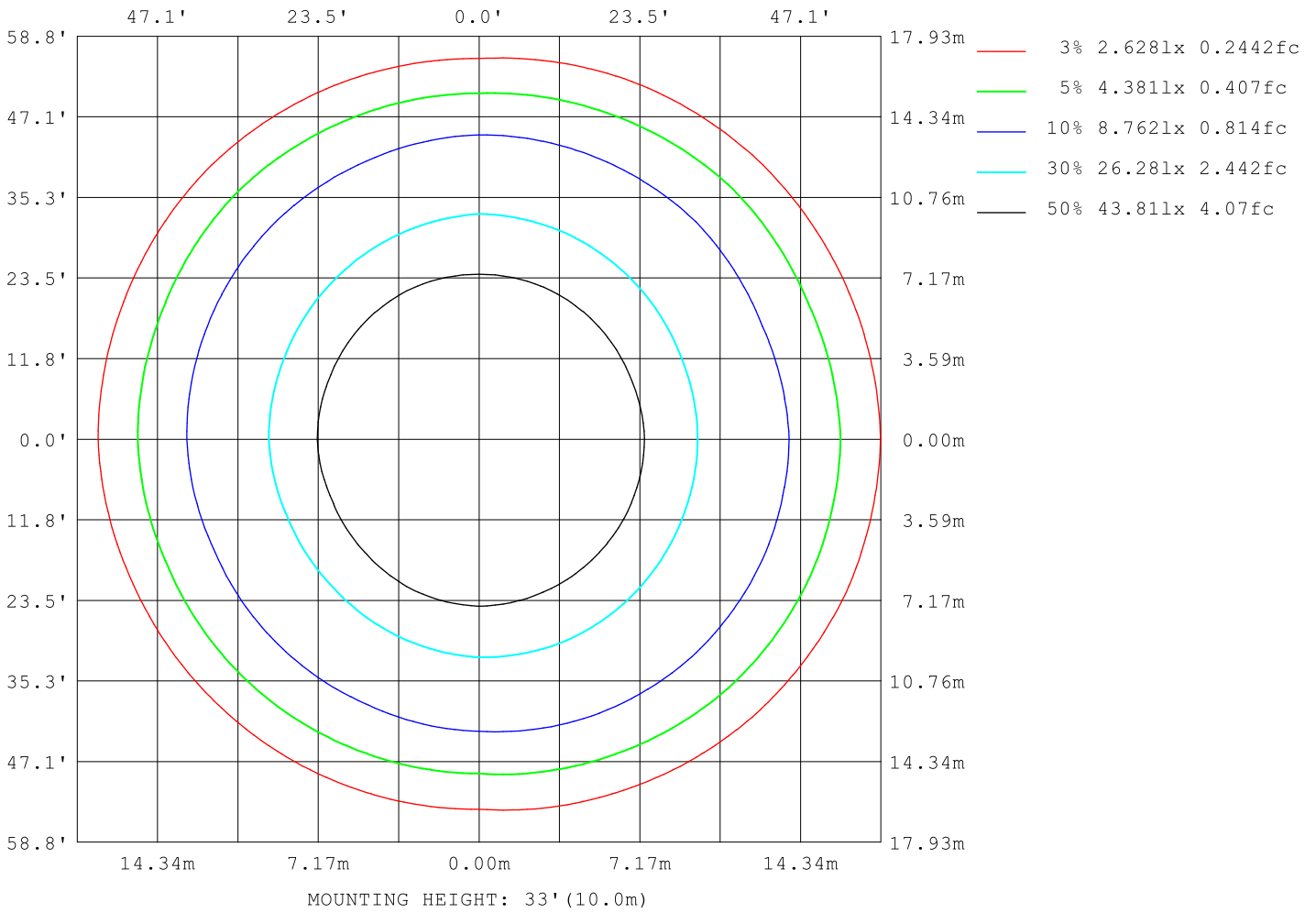
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	Shielding Angle:

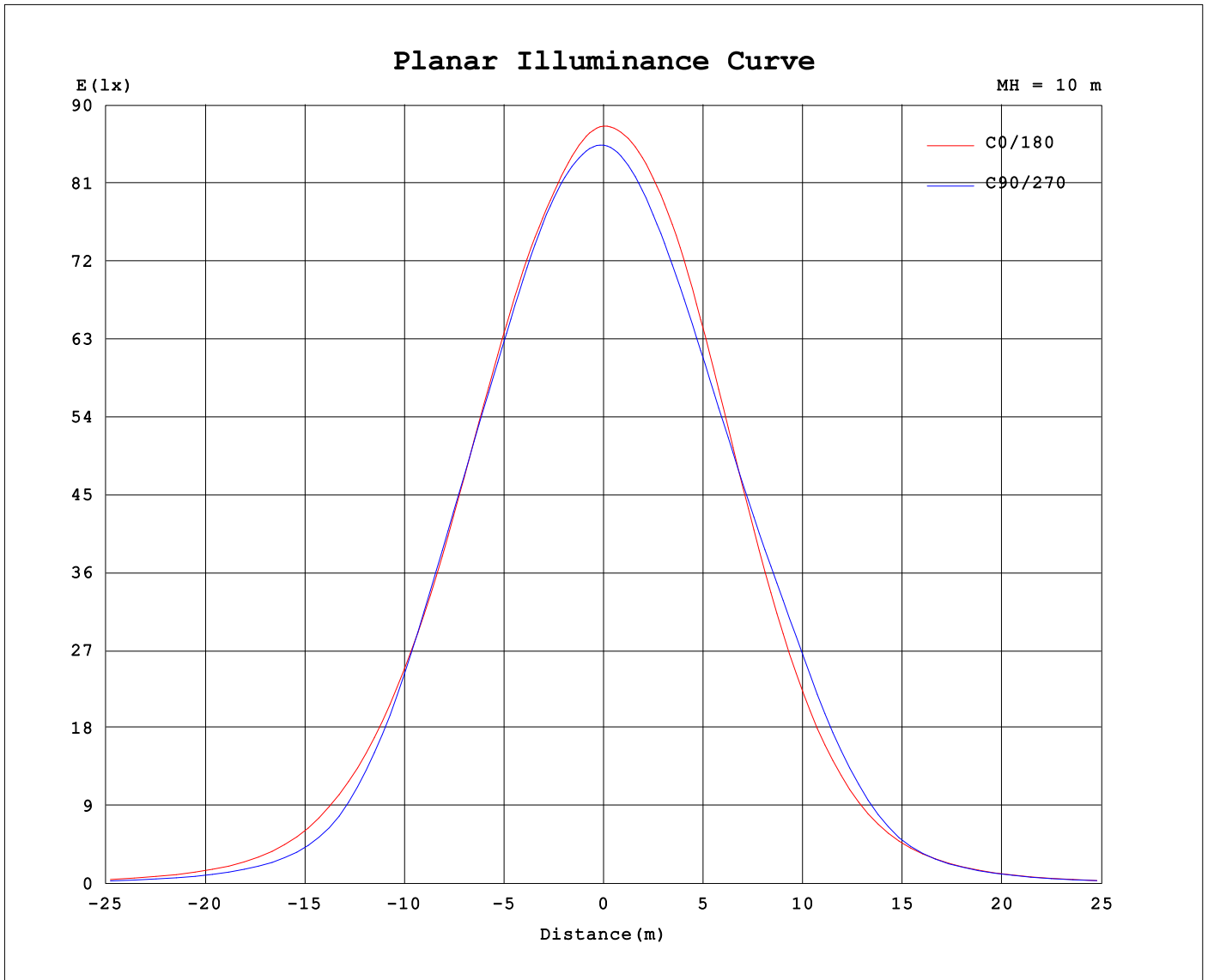
AvgL	cd/m2
L_0~180 (65) av	60377
L_0~180 (75) av	26525
L_0~180 (85) av	15820
L_90~270 (65) av	47708
L_90~270 (75) av	21376
L_90~270 (85) av	13493
L_45 (65) av	53658
L_45 (75) av	23498
L_45 (85) av	14575

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 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: 25.3°C
Operators: DAMIN
Test Date: 2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.26V I:1.2453A P:149.49W PF:0.9982 Freq:59.98Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:22599.5x1 lm		
NAME: 1000015964 UHB1210-150W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.25*0.25	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	8762	8686	8627	8579	8542	8514	8491	8470	8762	8686	8627	8579	8542	8514	8491	8470			
5	8742	8676	8626	8593	8571	8555	8538	8517	8790	8700	8623	8559	8512	8479	8457	8441			
10	8734	8679	8638	8621	8623	8633	8634	8615	8862	8746	8635	8542	8482	8449	8437	8432			
15	8770	8734	8700	8692	8699	8724	8736	8721	8950	8815	8676	8552	8465	8424	8428	8452			
20	8864	8819	8762	8744	8754	8795	8830	8822	9035	8894	8728	8574	8472	8435	8469	8537			
25	8910	8875	8800	8762	8769	8831	8836	8799	9009	8899	8772	8592	8491	8471	8535	8615			
30	8838	8800	8768	8736	8748	8773	8685	8610	8809	8743	8697	8582	8476	8484	8549	8585			
35	8551	8518	8512	8534	8587	8487	8242	8125	8324	8303	8407	8443	8401	8427	8417	8387			
40	7923	7910	7966	8018	8069	7743	7358	7243	7492	7507	7742	8021	8171	8115	8001	7858			
45	7012	6955	6982	6998	6847	6393	6021	5961	6266	6344	6617	7024	7474	7344	7136	6954			
50	5687	5584	5474	5271	4950	4527	4391	4401	4723	4847	5042	5335	5798	5729	5643	5479			
55	4049	3920	3654	3268	2855	2806	2850	2892	3098	3164	3325	3362	3503	3628	3824	3739			
60	2470	2352	2127	1853	1642	1656	1695	1772	1912	1912	1947	1915	1862	2089	2253	2350			
65	1435	1349	1166	1068	932	924	937	978	1066	1075	1070	1069	1044	1173	1271	1361			
70	763	710	597	565	501	494	494	508	563	572	564	564	565	621	677	716			
75	392	361	308	289	246	249	251	254	281	281	281	283	296	321	352	368			
80	197	180	156	142	127	123	129	123	135	136	142	147	149	162	180	190			
85	89.1	78.7	66.4	55.3	47.0	43.8	39.6	39.1	46.0	48.5	54.8	61.3	68.3	77.8	88.3	91.5			
90	16.0	14.1	13.0	12.4	12.2	12.1	12.1	12.3	17.5	17.1	16.9	16.4	16.4	16.9	18.7	19.6			
95	13.0	13.0	12.8	12.8	13.0	13.3	13.6	13.7	20.1	19.7	19.2	18.4	17.6	17.1	17.1	17.2			
100	15.8	15.9	16.1	16.4	16.8	17.1	17.4	17.3	24.4	23.9	23.4	22.7	22.0	21.2	20.7	20.6			
105	20.1	20.3	20.6	21.2	21.7	22.1	22.1	22.0	29.3	28.6	28.2	27.6	26.9	26.2	25.4	25.1			
110	25.0	25.4	25.8	26.7	27.2	27.5	27.4	27.2	34.4	33.6	33.1	32.5	31.9	31.3	30.6	30.1			
115	30.2	30.6	31.1	31.9	32.3	32.5	32.5	32.4	39.2	38.3	37.8	37.0	36.5	36.0	35.5	35.0			
120	35.4	35.8	36.2	36.9	37.1	37.2	37.4	37.4	44.3	43.5	43.0	41.9	41.3	40.8	40.5	40.1			
125	40.6	40.9	41.2	41.7	41.8	41.7	42.1	42.2	49.4	48.6	48.1	47.2	46.4	45.7	45.4	45.1			
130	45.8	46.1	46.1	46.7	47.0	46.6	47.0	47.1	54.0	53.3	52.8	52.1	51.4	50.7	50.0	49.8			
135	50.2	50.4	50.3	50.5	50.3	50.8	50.6	50.9	58.2	57.4	57.0	56.3	55.9	55.2	54.5	54.2			
140	54.2	54.2	54.0	54.0	54.3	54.7	54.2	54.8	62.3	61.4	61.0	60.2	59.7	59.2	58.7	58.5			
145	57.1	56.9	56.5	56.6	57.0	57.4	57.6	57.5	66.6	65.7	65.2	64.2	63.5	63.1	62.8	62.7			
150	60.8	60.7	60.4	60.6	60.9	61.3	61.5	61.4	72.0	70.9	70.3	69.2	68.4	67.7	67.4	67.3			
155	65.2	65.3	65.1	65.6	65.8	66.3	66.3	66.3	79.3	78.1	77.6	76.5	75.7	74.6	74.1	73.8			
160	71.2	71.4	71.3	72.0	72.3	72.6	72.3	72.2	85.5	84.1	83.8	82.8	82.2	81.0	80.3	79.8			
165	77.4	77.8	77.8	78.6	78.7	78.8	78.4	78.2	90.6	89.3	88.8	87.9	87.3	86.4	85.7	84.8			
170	83.2	83.6	83.8	84.4	84.2	84.2	83.8	83.5	92.8	91.5	91.0	89.9	89.5	88.7	88.1	87.3			
175	87.5	88.0	87.8	88.1	87.7	87.5	87.0	86.7	93.2	92.1	91.9	90.9	90.7	90.0	89.6	88.8			
180	91.6	92.0	91.3	91.3	90.6	90.5	89.8	89.4	92.3	91.5	91.8	91.0	90.9	90.3	89.9	89.3			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 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	8762	8686	8627	8579	8542	8514	8491	8470	8762	8686
3.0	8749	8680	8627	8588	8559	8536	8516	8493	8775	8692
6.0	8738	8675	8628	8597	8577	8566	8554	8534	8802	8706
9.0	8733	8676	8632	8611	8608	8615	8615	8594	8845	8733
12.0	8741	8693	8659	8648	8654	8671	8674	8654	8897	8772
15.0	8770	8734	8700	8692	8699	8724	8736	8721	8950	8815
18.0	8824	8784	8741	8727	8735	8766	8799	8791	9005	8864
21.0	8881	8836	8770	8749	8759	8805	8842	8830	9043	8903
24.0	8908	8869	8794	8760	8770	8829	8846	8817	9027	8909
27.0	8900	8869	8806	8760	8764	8820	8796	8745	8956	8859
30.0	8838	8800	8768	8736	8748	8773	8685	8610	8809	8743
33.0	8700	8666	8648	8651	8683	8638	8465	8362	8553	8523
36.0	8454	8424	8425	8454	8520	8381	8101	7982	8192	8172
39.0	8074	8063	8104	8147	8218	7935	7573	7452	7689	7695
42.0	7598	7572	7638	7695	7681	7275	6872	6778	7051	7091
45.0	7012	6955	6982	6998	6847	6393	6021	5961	6266	6344
48.0	6280	6176	6117	6031	5775	5308	5063	5046	5363	5469
51.0	5382	5274	5129	4874	4512	4139	4059	4077	4383	4510
54.0	4402	4269	4042	3665	3198	3105	3141	3167	3407	3489
57.0	3362	3237	2970	2575	2267	2276	2320	2387	2569	2575
60.0	2470	2352	2127	1853	1642	1656	1695	1772	1912	1912
63.0	1797	1705	1496	1358	1172	1180	1195	1257	1364	1367
66.0	1270	1197	1024	940.7	831.3	815.2	825.7	860.4	938.9	953.2
69.0	870.3	810.0	683.0	644.8	572.0	565.6	559.1	581.4	644.6	653.3
72.0	581.6	548.1	457.4	433.5	380.4	375.3	376.6	389.3	423.3	433.2
75.0	392.1	361.0	308.3	288.8	246.0	248.6	250.7	254.0	280.7	281.2
78.0	258.2	237.4	205.7	182.4	164.7	164.9	166.9	166.5	179.3	185.7
81.0	171.9	159.2	136.1	121.5	108.5	107.1	110.2	104.7	114.9	117.2
84.0	109.7	97.28	83.86	72.96	62.97	58.69	55.38	54.41	61.26	64.61
87.0	51.64	44.27	34.67	27.92	23.41	19.98	17.71	17.88	24.44	25.12
90.0	15.97	14.09	13.01	12.39	12.20	12.09	12.13	12.25	17.47	17.12
93.0	13.04	12.87	12.56	12.26	12.11	12.29	12.57	12.68	18.67	18.25
96.0	13.36	13.39	13.34	13.41	13.64	13.94	14.26	14.32	20.91	20.45
99.0	15.10	15.21	15.32	15.55	15.92	16.22	16.52	16.50	23.52	22.99
102.0	17.39	17.53	17.79	18.20	18.65	18.97	19.19	19.06	26.33	25.75
105.0	20.05	20.27	20.63	21.24	21.69	22.07	22.13	21.98	29.30	28.62
108.0	22.97	23.29	23.70	24.45	24.96	25.31	25.26	25.08	32.31	31.55
111.0	26.07	26.44	26.89	27.73	28.21	28.49	28.41	28.27	35.33	34.54
114.0	29.20	29.59	30.07	30.94	31.31	31.51	31.49	31.38	38.19	37.40
117.0	32.34	32.71	33.16	33.93	34.25	34.40	34.48	34.39	41.17	40.28
120.0	35.43	35.82	36.19	36.89	37.08	37.18	37.37	37.37	44.33	43.46
123.0	38.54	38.91	39.19	39.78	39.89	39.90	40.21	40.30	47.39	46.59
126.0	41.66	41.96	42.15	42.68	42.75	42.62	43.11	43.23	50.29	49.51
129.0	44.77	45.09	45.12	45.74	45.88	45.59	46.05	46.16	53.06	52.34
132.0	47.68	48.01	47.95	48.25	48.65	48.07	48.59	48.74	55.63	54.93
135.0	50.23	50.38	50.28	50.55	50.32	50.78	50.65	50.89	58.16	57.44
138.0	52.70	52.72	52.54	52.75	52.79	53.21	52.83	53.23	60.67	59.88
141.0	54.99	54.99	54.74	54.73	55.02	55.44	54.87	55.54	63.11	62.27
144.0	56.39	56.22	55.86	55.88	56.30	56.70	56.85	56.80	65.70	64.82
147.0	58.43	58.30	57.90	58.11	58.40	58.76	58.98	58.92	68.96	67.94
150.0	60.82	60.66	60.40	60.57	60.85	61.27	61.49	61.44	71.99	70.90
153.0	63.34	63.28	63.07	63.40	63.69	64.14	64.26	64.21	76.33	75.22
156.0	66.20	66.33	66.16	66.70	66.99	67.40	67.38	67.32	80.61	79.31
159.0	69.92	70.15	70.04	70.68	70.97	71.31	71.14	70.99	84.28	82.93
162.0	73.75	74.03	73.96	74.69	74.91	75.14	74.84	74.65	87.70	86.31
165.0	77.41	77.79	77.81	78.63	78.73	78.85	78.44	78.20	90.65	89.34
168.0	81.22	81.66	81.74	82.47	82.42	82.44	82.01	81.72	92.36	90.92
171.0	84.10	84.53	84.63	85.17	84.99	84.96	84.51	84.23	93.03	91.72
174.0	86.84	87.28	87.19	87.52	87.09	86.99	86.48	86.20	93.21	92.10
177.0	90.45	90.91	90.61	90.84	90.39	90.36	89.71	89.43	92.91	92.04
180.0	91.62	91.98	91.30	91.30	90.64	90.48	89.78	89.44	92.30	91.52
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	8627	8579	8542	8514	8491	8470				
3.0	8625	8568	8526	8494	8471	8451				
6.0	8624	8553	8505	8472	8451	8438				
9.0	8629	8544	8486	8453	8440	8432				
12.0	8650	8541	8473	8438	8431	8435				
15.0	8676	8552	8465	8424	8428	8452				
18.0	8705	8565	8468	8426	8448	8496				
21.0	8739	8579	8475	8441	8480	8555				
24.0	8767	8589	8487	8465	8523	8605				
27.0	8759	8595	8491	8477	8549	8624				
30.0	8697	8582	8476	8484	8549	8585				

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	8567	8524	8445	8471	8497	8493
36.0	8310	8389	8368	8387	8359	8310
39.0	7909	8144	8232	8202	8108	7984
42.0	7353	7701	7985	7891	7725	7563
45.0	6617	7024	7474	7344	7136	6954
48.0	5707	6094	6570	6464	6290	6115
51.0	4698	4933	5382	5329	5298	5139
54.0	3649	3735	3951	4035	4190	4095
57.0	2704	2686	2696	2903	3148	3110
60.0	1947	1915	1862	2089	2253	2350
63.0	1360	1353	1327	1499	1624	1729
66.0	945.0	937.7	917.5	1035	1123	1199
69.0	639.4	638.5	634.4	707.8	771.6	815.4
72.0	427.0	429.8	440.6	482.0	519.2	547.9
75.0	281.0	282.9	296.2	321.1	351.9	367.8
78.0	189.1	187.1	194.9	207.6	233.9	244.8
81.0	124.8	126.2	129.5	141.4	157.1	168.0
84.0	70.34	76.33	84.30	92.23	105.3	109.4
87.0	27.84	32.25	40.04	45.63	52.32	55.60
90.0	16.89	16.39	16.39	16.93	18.68	19.56
93.0	17.79	17.09	16.63	16.43	16.61	16.83
96.0	19.93	19.18	18.36	17.83	17.60	17.72
99.0	22.51	21.81	21.00	20.33	19.83	19.84
102.0	25.29	24.67	23.93	23.17	22.49	22.33
105.0	28.16	27.59	26.92	26.17	25.45	25.09
108.0	31.09	30.51	29.88	29.17	28.48	27.98
111.0	34.07	33.46	32.82	32.25	31.55	31.07
114.0	36.89	36.17	35.58	35.10	34.50	34.07
117.0	39.83	38.90	38.30	37.88	37.45	37.01
120.0	43.02	41.95	41.33	40.82	40.47	40.12
123.0	46.12	45.12	44.42	43.72	43.43	43.14
126.0	49.00	48.15	47.42	46.67	46.26	46.03
129.0	51.86	51.10	50.46	49.63	49.07	48.82
132.0	54.51	53.84	53.26	52.50	51.80	51.55
135.0	57.05	56.35	55.87	55.20	54.48	54.21
138.0	59.44	58.73	58.27	57.73	57.10	56.88
141.0	61.79	60.98	60.46	59.99	59.51	59.32
144.0	64.31	63.33	62.73	62.28	61.95	61.81
147.0	67.43	66.23	65.54	64.96	64.72	64.63
150.0	70.35	69.18	68.40	67.67	67.39	67.33
153.0	74.64	73.60	72.69	71.79	71.34	71.19
156.0	78.94	77.83	77.02	75.90	75.41	74.98
159.0	82.62	81.59	80.95	79.75	79.12	78.61
162.0	85.95	84.97	84.43	83.36	82.66	82.01
165.0	88.83	87.86	87.28	86.38	85.67	84.83
168.0	90.37	89.27	88.80	87.88	87.29	86.37
171.0	91.33	90.23	89.85	89.04	88.53	87.65
174.0	91.89	90.81	90.56	89.80	89.38	88.59
177.0	91.95	91.07	90.90	90.19	89.86	89.06
180.0	91.76	91.01	90.90	90.29	89.92	89.29

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks: