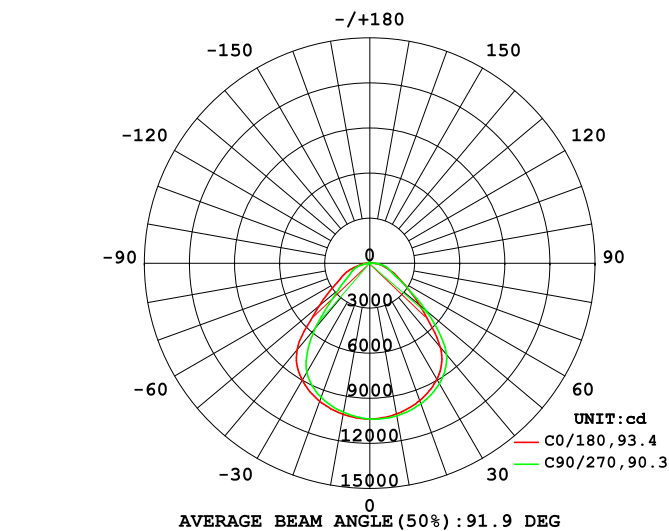


LUMINAIRE PHOTOMETRIC TEST REPORT

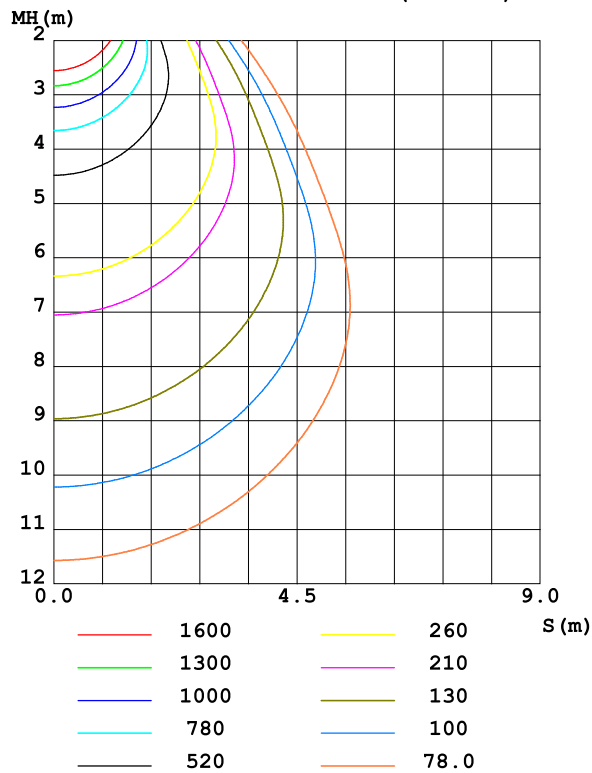
Test:U:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 146.15 lm/W
1000015224 TS-LHB5-2FT165W-50K-TP		Imax (cd)	10393	S/MH (C0/180)	1.29	
NOMINAL POWER (W)	165	LOR (%)	100.0	S/MH (C90/270)	1.18	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	23337	η UP,DN (C0-180)	0.5, 54.4	
NOMINAL FLUX (lm)	23337	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.6, 44.5	
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η down (%)	98.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-03-08

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:

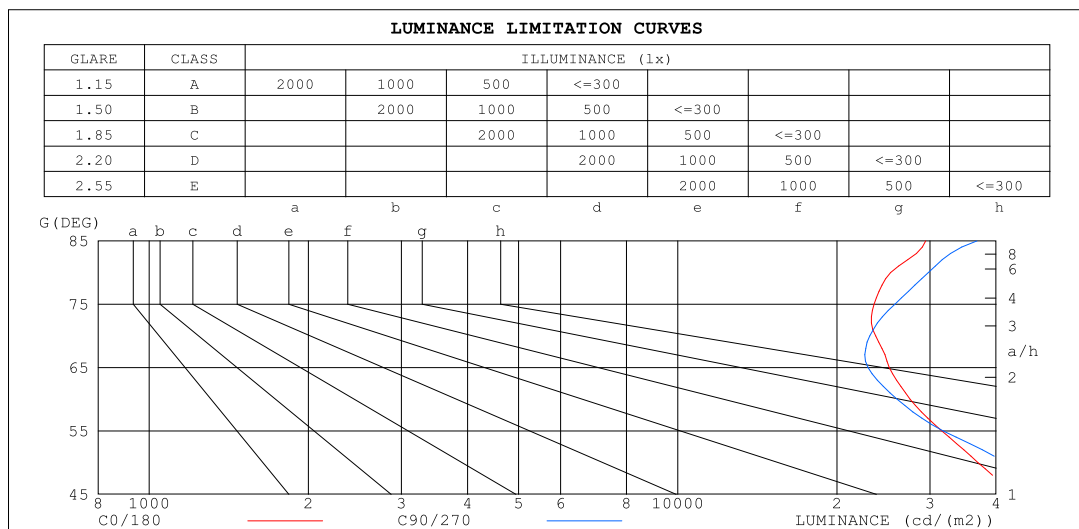
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1020	1028	1032	1032	1022	1013	1008	1008	0- 10	981.7	981.7	4.21, 4.21
20	972.7	985.9	994.9	996.2	977.7	959.0	950.1	948.7	10- 20	2825	3807	16.3, 16.3
30	892.6	912.1	926.1	928.1	899.6	864.0	837.8	835.1	20- 30	4311	8118	34.8, 34.8
40	730.7	775.9	794.9	799.0	755.4	628.3	566.9	559.2	30- 40	5031	13148	56.3, 56.3
50	431.9	470.4	489.5	495.9	438.8	358.9	274.0	270.5	40- 50	4166	17314	74.2, 74.2
60	249.9	255.5	238.5	241.5	245.9	201.2	157.8	156.5	50- 60	2616	19930	85.4, 85.4
70	147.2	154.9	144.7	145.8	157.2	126.1	109.7	108.6	60- 70	1667	21597	92.5, 92.5
80	79.72	91.97	94.80	96.12	56.37	57.90	37.68	36.12	70- 80	1078	22675	97.2, 97.2
90	2.178	16.77	21.33	23.08	2.184	2.034	1.979	1.985	80- 90	396.6	23071	98.9, 98.9
100	1.911	1.716	1.602	1.593	2.429	2.601	2.623	2.644	90-100	32.47	23104	99, 99
110	2.638	2.364	2.239	2.226	3.235	3.435	3.484	3.499	100-110	26.34	23130	99.1, 99.1
120	3.440	3.186	3.111	3.092	3.916	4.246	4.463	4.487	110-120	32.79	23163	99.3, 99.3
130	4.345	4.097	4.062	4.046	4.797	5.102	5.556	5.575	120-130	37.91	23201	99.4, 99.4
140	5.260	4.955	4.866	4.852	5.666	5.936	6.295	6.309	130-140	39.57	23240	99.6, 99.6
150	6.049	5.736	5.651	5.637	6.496	6.760	6.927	6.939	140-150	36.87	23277	99.7, 99.7
160	6.896	6.563	6.500	6.485	7.402	7.656	7.766	7.768	150-160	30.80	23308	99.9, 99.9
170	7.767	7.485	7.500	7.491	8.110	8.279	8.356	8.353	160-170	21.28	23329	100, 100
180	8.260	8.202	8.231	8.225	8.284	8.212	8.244	8.233	170-180	7.699	23337	100, 100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	29460	36823
80	25270	29779
75	23510	25744
70	23698	23083
65	25124	22921
60	27517	26019
55	31606	31792
50	36982	41534
45	44056	50489

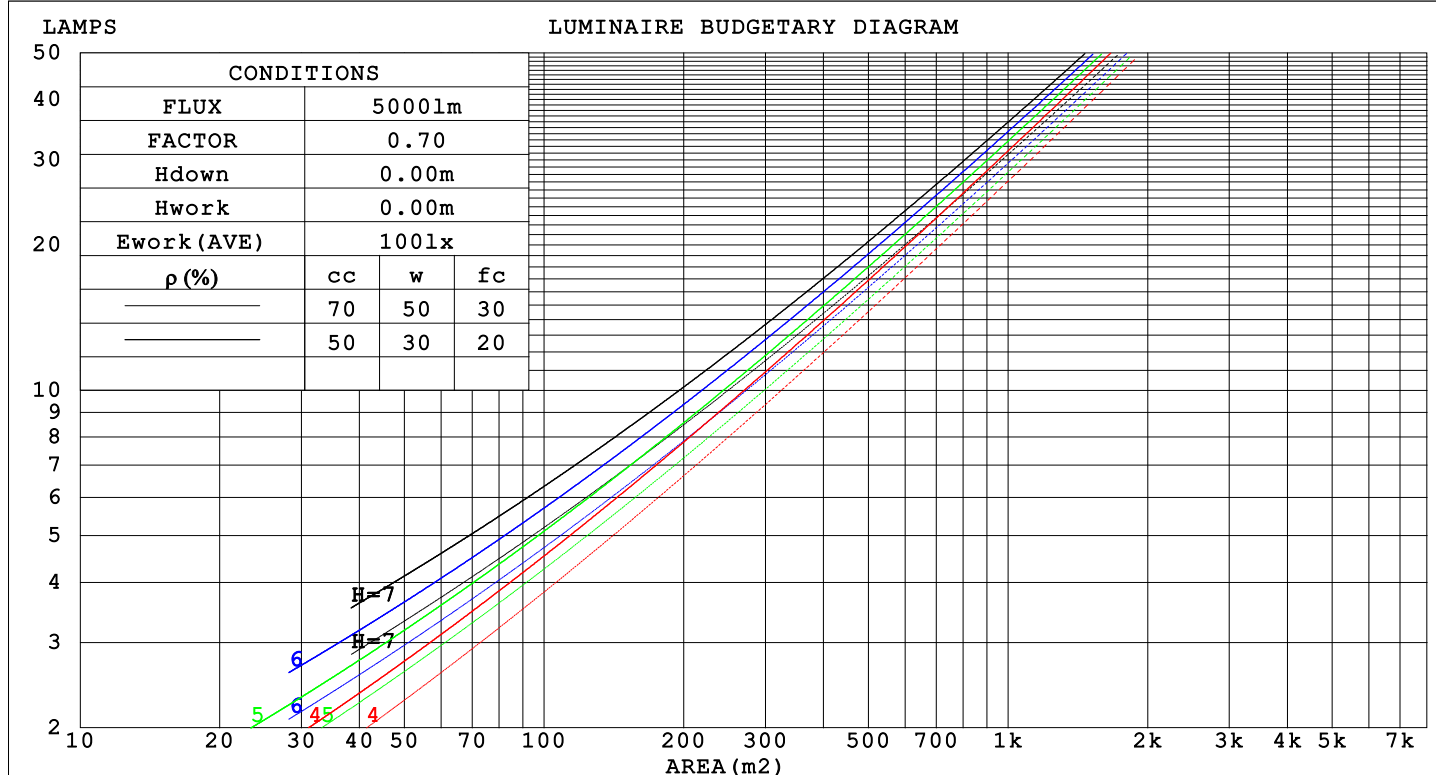
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	1.05	1.02	.98	1.03	.00	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.94	.88	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.76	.73
3.0	.84	.76	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.66	.64
4.0	.75	.67	.61	.74	.66	.61	.71	.65	.60	.69	.63	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.51	.49
6.0	.62	.53	.48	.61	.53	.47	.59	.52	.47	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.48	.43	.56	.48	.42	.54	.47	.42	.52	.46	.42	.51	.46	.41	.39
8.0	.52	.44	.38	.51	.43	.38	.50	.43	.38	.48	.42	.38	.47	.42	.37	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	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	.275	.156	.049	.267	.152	.048	.253	.145	.046	.241	.139	.045	.229	.133	.043	
2.0	.258	.142	.043	.252	.139	.043	.240	.134	.041	.229	.128	.040	.219	.124	.039	
3.0	.241	.128	.038	.235	.126	.038	.225	.122	.037	.215	.118	.036	.206	.114	.035	
4.0	.224	.117	.034	.219	.115	.034	.210	.111	.033	.201	.108	.033	.193	.105	.032	
5.0	.209	.107	.031	.205	.105	.031	.197	.102	.030	.189	.100	.030	.182	.097	.029	
6.0	.196	.098	.028	.192	.097	.028	.184	.095	.028	.178	.092	.027	.171	.090	.027	
7.0	.184	.091	.026	.180	.090	.026	.173	.088	.025	.167	.086	.025	.161	.084	.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	.076	.022	.150	.075	.021	.145	.074	.021	
10.0	.154	.074	.020	.151	.073	.020	.147	.072	.020	.142	.070	.020	.138	.069	.020	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.187	.165	.146	.160	.142	.126	.109	.098	.087	.063	.056	.051	.020	.018	.016	
2.0	.177	.141	.111	.151	.121	.096	.104	.084	.067	.060	.049	.039	.019	.016	.013	
3.0	.168	.123	.087	.144	.106	.076	.099	.074	.053	.057	.043	.031	.018	.014	.010	
4.0	.160	.109	.071	.137	.094	.062	.094	.066	.043	.054	.039	.026	.018	.013	.008	
5.0	.152	.099	.059	.131	.085	.052	.090	.060	.036	.052	.035	.022	.017	.011	.007	
6.0	.145	.090	.051	.125	.078	.044	.086	.055	.031	.050	.032	.019	.016	.011	.006	
7.0	.139	.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	.072	.036	.109	.063	.031	.076	.044	.022	.044	.026	.013	.014	.009	.004	
10.0	.122	.068	.032	.105	.059	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz											
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm											
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: EVERFINE					SUR.: 0.6*0.306			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	2H	22.2	23.7	22.6	24.0	24.4	22.8	24.2	23.2	24.6	24.9
	3H	23.7	25.0	24.1	25.4	25.8	24.2	25.5	24.6	25.9	26.3
	4H	24.5	25.7	24.9	26.1	26.5	25.0	26.3	25.5	26.6	27.0
	6H	25.3	26.4	25.7	26.8	27.2	25.9	27.0	26.3	27.4	27.9
	8H	25.6	26.7	26.1	27.1	27.6	26.3	27.4	26.8	27.8	28.2
	12H	25.9	27.0	26.4	27.4	27.8	26.7	27.7	27.1	28.1	28.6
4H	2H	22.9	24.1	23.3	24.5	24.9	23.2	24.4	23.6	24.8	25.2
	3H	24.6	25.6	25.1	26.1	26.5	25.0	26.0	25.4	26.4	26.8
	4H	25.6	26.5	26.0	26.9	27.4	26.0	26.9	26.5	27.4	27.8
	6H	26.6	27.4	27.0	27.8	28.3	27.1	27.9	27.6	28.4	28.8
	8H	27.0	27.7	27.5	28.2	28.7	27.6	28.3	28.1	28.8	29.3
	12H	27.3	28.0	27.8	28.5	29.0	28.0	28.7	28.5	29.2	29.7
8H	4H	26.1	26.8	26.6	27.3	27.8	26.4	27.2	26.9	27.7	28.1
	6H	27.3	27.9	27.8	28.4	28.9	27.7	28.4	28.3	28.9	29.4
	8H	27.8	28.4	28.3	28.9	29.4	28.4	28.9	28.9	29.4	30.0
	12H	28.3	28.8	28.8	29.3	29.9	29.0	29.5	29.5	30.0	30.6
12H	4H	26.2	26.8	26.7	27.3	27.8	26.5	27.2	27.0	27.7	28.2
	6H	27.4	28.0	28.0	28.5	29.0	27.9	28.5	28.4	28.9	29.5
	8H	28.0	28.5	28.6	29.1	29.6	28.6	29.1	29.1	29.6	30.2
CIE190: 2010											

CIE190: 2010
Area: 0.183 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:

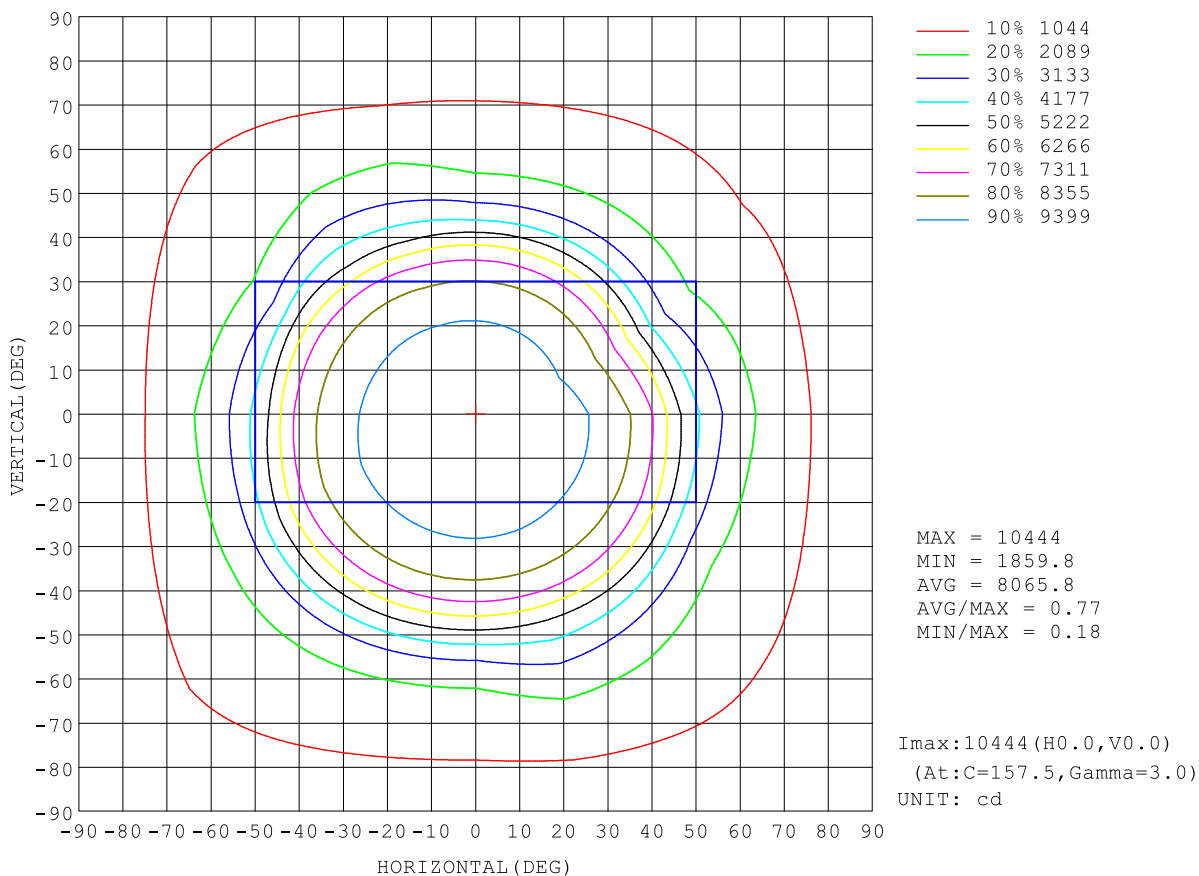
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	48	64	54	48	63	53	48	42
0.80	74	64	58	73	64	57	71	63	57	51
1.00	82	72	66	81	72	66	79	73	65	59
1.25	88	79	73	87	79	73	84	77	72	65
1.50	93	84	78	91	83	78	88	82	77	70
2.00	99	91	86	97	90	85	93	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	101	97	101	98	95	86
5.00	110	106	102	107	104	100	103	100	97	88
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: 2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:

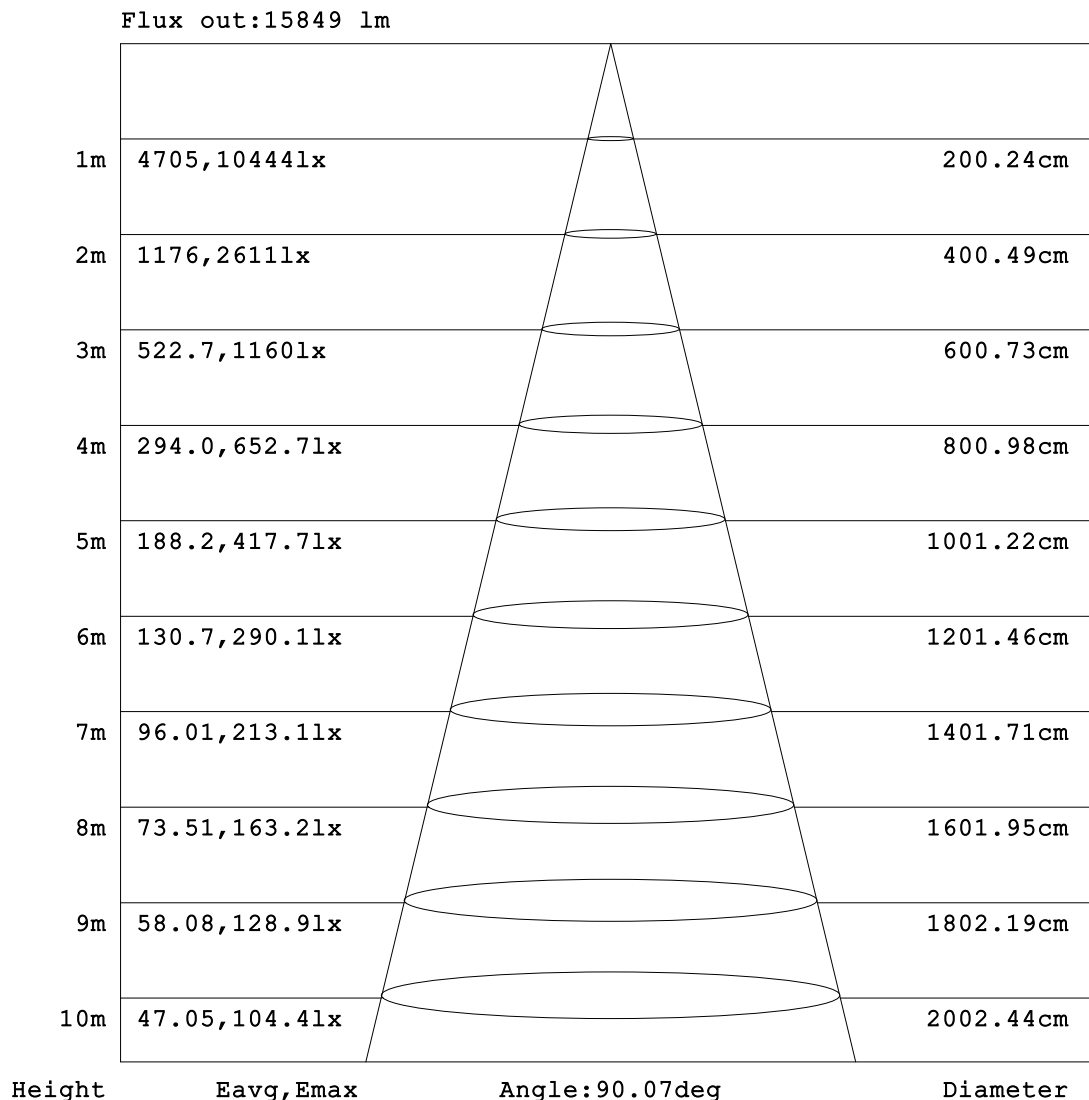


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:



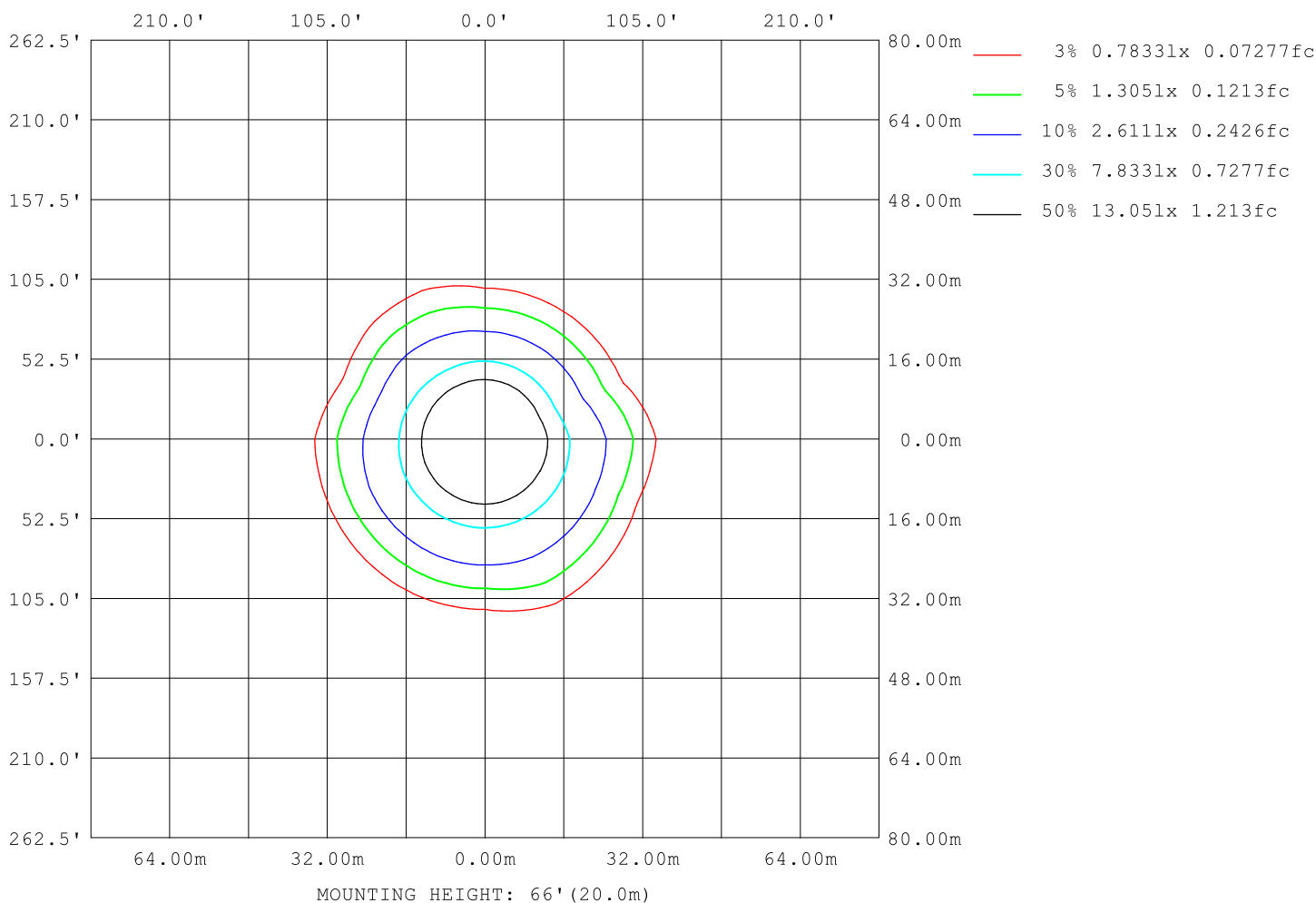
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:

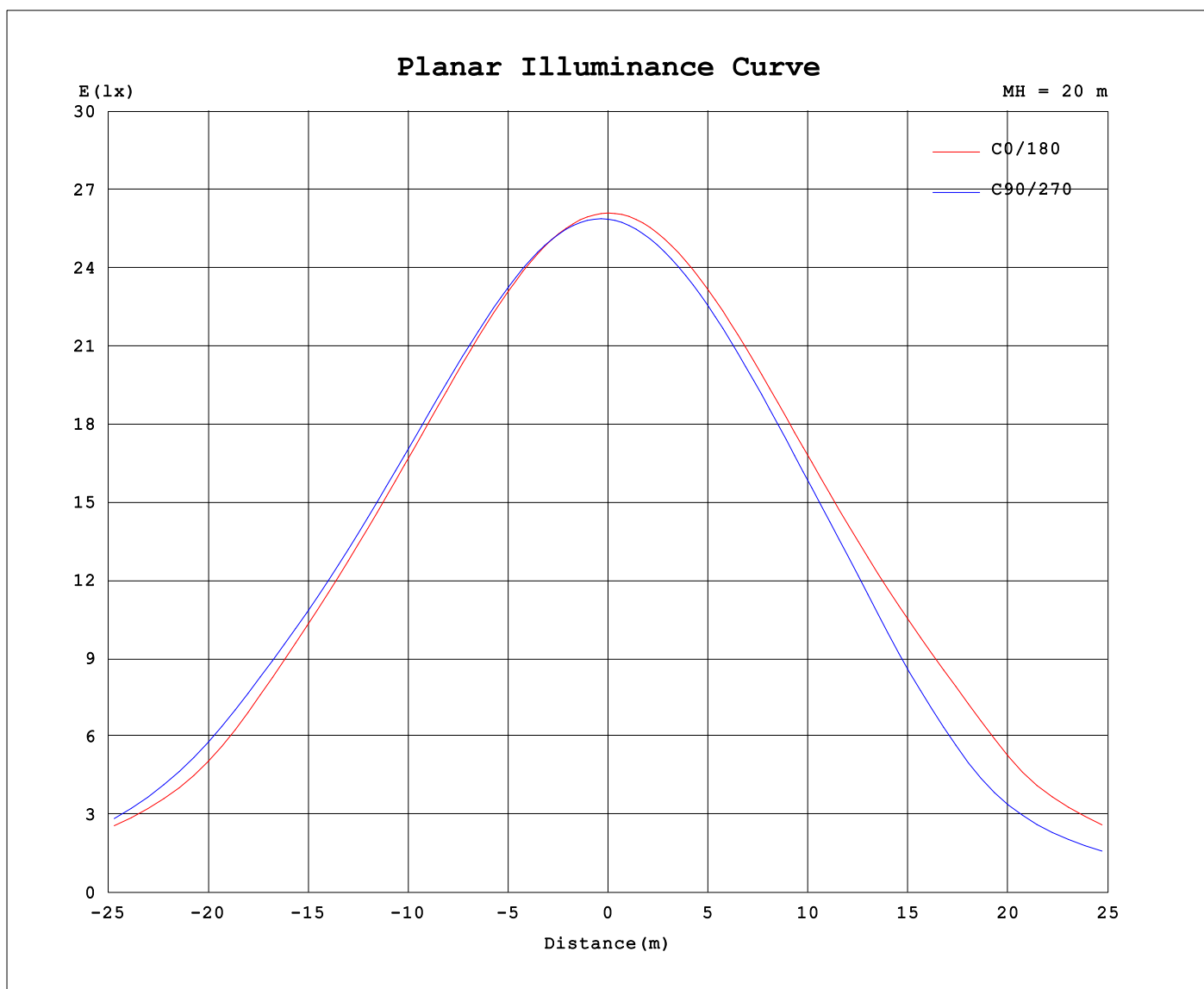
AvgL	cd/m2
L_0~180 (65) av	25201
L_0~180 (75) av	22510
L_0~180 (85) av	27420
L_90~270 (65) av	20004
L_90~270 (75) av	20756
L_90~270 (85) av	19490
L_45 (65) av	21676
L_45 (75) av	21715
L_45 (85) av	20939

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-03-08

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: 2024-03-08

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:120.21V I:1.3297A P:159.68W PF:0.9990 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:23337x1 lm		
NAME: 1000015224 TS-LHB5-2FT165W-50K-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.6*0.306	Shielding Angle:

Table--1

UNIT: X10cd

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	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037	1037			
5	1032	1035	1036	1038	1039	1039	1039	1039	1033	1031	1029	1027	1026	1026	1026	1025			
10	1020	1025	1028	1031	1032	1033	1032	1033	1022	1017	1013	1010	1008	1008	1008	1007			
15	1000	1007	1011	1015	1017	1018	1018	1018	1003	996	990	985	984	983	983	983			
20	973	981	986	992	995	996	996	996	978	967	959	952	950	949	949	948			
25	938	948	954	961	965	966	967	967	943	931	919	908	904	903	902	901			
30	893	906	912	922	926	928	928	929	900	882	864	845	838	836	835	834			
35	831	849	858	868	873	875	876	877	842	815	782	743	726	722	720	719			
40	731	762	776	788	795	798	799	801	755	703	628	577	567	562	559	556			
45	566	616	636	646	655	659	662	664	589	528	469	425	382	378	376	374			
50	432	439	470	491	489	494	496	498	439	337	359	317	274	272	271	269			
55	329	304	345	384	334	340	340	343	328	233	261	248	203	201	201	199			
60	250	216	256	289	239	240	242	242	246	162	201	197	158	156	157	156			
65	193	159	198	224	178	179	179	180	197	127	163	153	132	131	131	131			
70	147	128	155	169	145	145	146	146	157	121	126	114	110	109	109	108			
75	111	110	123	132	122	123	123	123	103	109	93.1	76.5	74.5	73.3	72.8	72.0			
80	79.7	86.8	92.0	99.5	94.8	95.6	96.1	96.3	56.4	60.6	57.9	45.7	37.7	36.6	36.1	35.5			
85	46.6	47.1	57.7	64.1	58.8	59.7	60.2	60.4	40.8	24.0	12.8	4.41	3.33	3.06	2.90	2.81			
90	2.18	9.30	16.8	21.6	21.3	22.3	23.1	23.5	2.18	1.96	2.03	2.01	1.98	1.98	1.98	1.98			
95	1.64	1.57	1.60	1.59	1.54	1.54	1.55	1.54	2.12	2.16	2.24	2.24	2.24	2.25	2.26	2.26			
100	1.91	1.80	1.72	1.65	1.60	1.60	1.59	1.60	2.43	2.51	2.60	2.62	2.62	2.64	2.64	2.65			
105	2.25	2.13	2.01	1.91	1.88	1.87	1.87	1.86	2.82	2.89	2.99	3.04	3.04	3.05	3.06	3.07			
110	2.64	2.52	2.36	2.25	2.24	2.23	2.23	2.22	3.23	3.32	3.43	3.49	3.48	3.49	3.50	3.51			
115	3.03	2.93	2.75	2.66	2.66	2.65	2.64	2.63	3.63	3.68	3.85	3.95	3.94	3.95	3.96	3.96			
120	3.44	3.33	3.19	3.11	3.11	3.10	3.09	3.09	3.92	4.08	4.25	4.44	4.46	4.47	4.49	4.49			
125	3.89	3.77	3.62	3.57	3.60	3.59	3.58	3.57	4.36	4.51	4.67	4.89	5.02	5.03	5.04	5.04			
130	4.35	4.23	4.10	4.03	4.06	4.05	4.05	4.05	4.80	4.93	5.10	5.32	5.56	5.57	5.58	5.59			
135	4.79	4.65	4.51	4.47	4.46	4.45	4.44	4.44	5.26	5.31	5.54	5.71	5.99	6.00	6.00	6.01			
140	5.26	5.08	4.95	4.91	4.87	4.86	4.85	4.85	5.67	5.75	5.94	6.07	6.29	6.30	6.31	6.31			
145	5.69	5.50	5.39	5.34	5.29	5.29	5.28	5.27	6.03	6.12	6.30	6.40	6.55	6.56	6.56	6.57			
150	6.05	5.87	5.74	5.69	5.65	5.64	5.64	5.63	6.50	6.58	6.76	6.84	6.93	6.93	6.94	6.95			
155	6.43	6.28	6.11	6.06	6.04	6.03	6.02	6.02	6.93	7.05	7.17	7.25	7.34	7.34	7.34	7.35			
160	6.90	6.76	6.56	6.52	6.50	6.50	6.48	6.48	7.40	7.49	7.66	7.68	7.77	7.77	7.77	7.77			
165	7.37	7.24	7.04	7.01	7.01	7.01	7.00	7.00	7.80	7.92	8.04	8.06	8.14	8.14	8.14	8.14			
170	7.77	7.68	7.49	7.46	7.50	7.50	7.49	7.49	8.11	8.17	8.28	8.29	8.36	8.34	8.35	8.34			
175	8.10	8.03	7.90	7.93	7.94	7.94	7.94	7.93	8.26	8.27	8.33	8.35	8.37	8.37	8.37	8.36			
180	8.26	8.26	8.20	8.26	8.23	8.24	8.23	8.23	8.28	8.24	8.21	8.25	8.24	8.23	8.23	8.23			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-03-08

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	10368	10368	10368	10368	10368	10368	10368	10368	10368	10368
3.0	10350	10363	10374	10385	10390	10391	10391	10393	10357	10340
6.0	10303	10331	10349	10373	10381	10383	10383	10384	10313	10283
9.0	10231	10271	10300	10330	10342	10344	10345	10345	10244	10203
12.0	10129	10180	10220	10254	10269	10273	10277	10279	10152	10094
15.0	9998	10066	10108	10151	10170	10177	10177	10180	10032	9957
18.0	9848	9921	9965	10020	10044	10052	10056	10057	9891	9793
21.0	9664	9753	9802	9865	9894	9903	9908	9910	9716	9609
24.0	9454	9558	9608	9683	9717	9730	9731	9737	9511	9388
27.0	9218	9328	9384	9466	9508	9519	9525	9530	9279	9128
30.0	8926	9060	9121	9216	9261	9275	9281	9288	8996	8818
33.0	8587	8740	8817	8919	8962	8979	8984	8992	8672	8447
36.0	8158	8348	8442	8547	8602	8622	8632	8640	8279	7980
39.0	7562	7837	7958	8074	8141	8167	8179	8192	7761	7315
42.0	6695	7111	7280	7412	7477	7515	7533	7550	7027	6379
45.0	5659	6161	6363	6458	6545	6592	6618	6637	5895	5275
48.0	4791	5087	5321	5454	5550	5595	5616	5642	4883	4038
51.0	4099	4073	4433	4671	4576	4617	4637	4658	4154	3113
54.0	3483	3260	3682	4039	3624	3669	3689	3706	3488	2505
57.0	2940	2650	3041	3446	2888	2913	2929	2938	2902	2017
60.0	2499	2165	2555	2886	2385	2405	2415	2422	2459	1624
63.0	2138	1783	2187	2471	1985	1999	2009	2013	2144	1360
66.0	1839	1511	1876	2121	1689	1700	1706	1707	1895	1243
69.0	1562	1331	1617	1788	1498	1506	1510	1510	1663	1207
72.0	1305	1199	1417	1521	1351	1358	1361	1361	1362	1205
75.0	1105	1102	1225	1316	1222	1228	1230	1231	1027	1087
78.0	919.2	986.4	1045	1128	1071	1079	1082	1084	720.1	815.0
81.0	743.4	794.1	852.5	924.2	880.4	889.2	894.0	896.8	525.6	513.7
84.0	550.9	547.2	645.1	710.8	660.0	668.7	674.3	676.7	457.2	303.3
87.0	280.6	324.2	437.4	491.4	452.9	461.3	466.1	468.9	255.3	105.5
90.0	21.78	93.03	167.7	216.1	213.3	223.2	230.8	235.1	21.84	19.60
93.0	15.78	15.85	17.16	27.51	33.26	35.68	37.53	38.39	20.08	20.34
96.0	16.88	16.08	15.99	15.93	15.38	15.42	15.36	15.41	21.76	22.24
99.0	18.51	17.45	16.71	16.18	15.73	15.77	15.70	15.75	23.65	24.41
102.0	20.42	19.23	18.25	17.44	16.98	16.93	16.87	16.86	25.68	26.52
105.0	22.54	21.33	20.11	19.11	18.81	18.71	18.67	18.63	28.19	28.91
108.0	24.73	23.64	22.17	21.04	20.87	20.78	20.74	20.68	30.64	31.53
111.0	27.23	26.05	24.41	23.24	23.19	23.08	23.04	22.97	33.20	34.10
114.0	29.64	28.51	26.77	25.76	25.71	25.58	25.53	25.47	35.68	36.16
117.0	32.05	30.78	29.23	28.38	28.33	28.22	28.16	28.10	36.68	38.23
120.0	34.40	33.33	31.86	31.08	31.11	30.99	30.92	30.86	39.16	40.78
123.0	37.20	35.90	34.48	33.79	34.01	33.88	33.82	33.77	41.89	43.45
126.0	39.84	38.57	37.18	36.64	36.96	36.84	36.77	36.73	44.49	45.90
129.0	42.59	41.41	40.11	39.48	39.83	39.71	39.64	39.61	47.20	48.50
132.0	45.30	43.97	42.54	41.97	42.13	42.02	41.97	41.97	49.70	51.02
135.0	47.92	46.53	45.14	44.70	44.57	44.48	44.43	44.42	52.57	53.07
138.0	50.82	49.18	47.92	47.43	47.05	46.97	46.92	46.88	54.98	55.81
141.0	53.46	51.77	50.44	50.00	49.53	49.44	49.39	49.33	57.52	58.39
144.0	56.07	54.13	53.14	52.59	52.13	52.05	51.97	51.92	59.69	60.22
147.0	58.22	56.56	55.27	54.78	54.29	54.26	54.13	54.11	61.81	62.84
150.0	60.49	58.71	57.36	56.91	56.51	56.45	56.37	56.32	64.96	65.79
153.0	62.76	60.96	59.54	59.12	58.75	58.72	58.61	58.60	67.47	68.57
156.0	65.27	63.68	61.96	61.47	61.24	61.18	61.09	61.07	70.31	71.46
159.0	67.98	66.63	64.62	64.17	63.94	63.93	63.81	63.82	73.13	74.05
162.0	70.86	69.47	67.52	67.09	66.98	66.98	66.83	66.83	75.77	76.54
165.0	73.66	72.44	70.43	70.13	70.11	70.12	69.99	69.99	78.05	79.15
168.0	76.24	75.23	73.26	72.90	73.22	73.16	73.08	73.03	80.08	80.94
171.0	78.40	77.51	75.61	75.45	75.91	75.89	75.78	75.76	81.52	82.03
174.0	80.24	79.35	77.69	77.73	78.26	78.29	78.15	78.18	82.44	82.57
177.0	81.94	81.62	80.59	81.13	80.91	81.00	80.84	80.87	82.91	82.73
180.0	82.60	82.57	82.02	82.57	82.31	82.41	82.25	82.29	82.84	82.43
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	10368	10368	10368	10368	10368	10368				
3.0	10329	10316	10312	10310	10308	10308				
6.0	10262	10239	10233	10229	10227	10223				
9.0	10167	10139	10124	10122	10120	10116				
12.0	10052	10007	9995	9991	9989	9985				
15.0	9904	9851	9837	9833	9828	9826				
18.0	9722	9666	9651	9644	9639	9634				
21.0	9521	9444	9423	9412	9409	9403				
24.0	9278	9176	9147	9134	9129	9123				
27.0	8986	8852	8807	8792	8786	8777				
30.0	8640	8447	8378	8358	8351	8337				

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-03-08

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	8194	7911	7791	7759	7744	7727
36.0	7593	7149	6969	6928	6905	6883
39.0	6665	6143	6025	5977	5952	5928
42.0	5557	5084	4880	4824	4796	4765
45.0	4687	4254	3824	3784	3764	3740
48.0	4011	3556	3100	3072	3059	3042
51.0	3373	3003	2579	2559	2547	2534
54.0	2771	2599	2153	2137	2127	2117
57.0	2336	2276	1815	1803	1795	1787
60.0	2012	1969	1578	1562	1565	1563
63.0	1768	1695	1411	1406	1401	1396
66.0	1554	1453	1278	1273	1270	1265
69.0	1333	1219	1150	1143	1140	1135
72.0	1127	986.3	974.9	965.2	960.7	954.9
75.0	930.6	764.8	744.5	733.4	727.7	720.4
78.0	720.7	586.1	516.1	506.2	501.9	496.4
81.0	504.2	372.9	288.2	281.5	270.5	269.6
84.0	233.3	84.43	61.72	57.33	54.35	52.92
87.0	26.82	19.71	18.98	18.98	19.02	19.00
90.0	20.34	20.06	19.79	19.80	19.85	19.82
93.0	21.19	21.18	21.08	21.16	21.21	21.26
96.0	23.07	23.11	23.15	23.25	23.32	23.37
99.0	25.23	25.36	25.45	25.58	25.64	25.70
102.0	27.55	27.79	27.85	28.02	28.03	28.11
105.0	29.92	30.40	30.41	30.55	30.58	30.66
108.0	32.47	33.09	33.03	33.11	33.19	33.25
111.0	35.28	35.86	35.76	35.87	35.93	36.00
114.0	37.79	38.53	38.42	38.58	38.61	38.69
117.0	40.04	41.33	41.37	41.46	41.61	41.63
120.0	42.46	44.43	44.63	44.71	44.87	44.91
123.0	45.01	47.24	47.99	48.09	48.25	48.27
126.0	47.59	49.75	51.29	51.37	51.55	51.51
129.0	50.22	52.33	54.57	54.66	54.79	54.82
132.0	52.70	54.75	57.40	57.54	57.57	57.72
135.0	55.35	57.09	59.89	59.98	60.03	60.13
138.0	57.78	59.19	61.67	61.73	61.83	61.87
141.0	60.15	61.43	63.57	63.58	63.68	63.73
144.0	62.36	63.42	65.02	65.07	65.15	65.21
147.0	64.53	65.40	66.55	66.63	66.66	66.79
150.0	67.60	68.36	69.27	69.33	69.39	69.49
153.0	69.96	70.79	71.61	71.64	71.74	71.79
156.0	72.77	73.34	74.22	74.23	74.30	74.37
159.0	75.61	75.89	76.80	76.79	76.84	76.89
162.0	78.28	78.43	79.28	79.27	79.31	79.36
165.0	80.42	80.61	81.41	81.38	81.43	81.42
168.0	82.09	82.18	82.93	82.85	82.95	82.87
171.0	83.04	83.12	83.74	83.61	83.69	83.61
174.0	83.29	83.47	83.82	83.74	83.74	83.74
177.0	83.02	83.35	83.38	83.29	83.30	83.27
180.0	82.12	82.49	82.44	82.35	82.33	82.28

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-08

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: