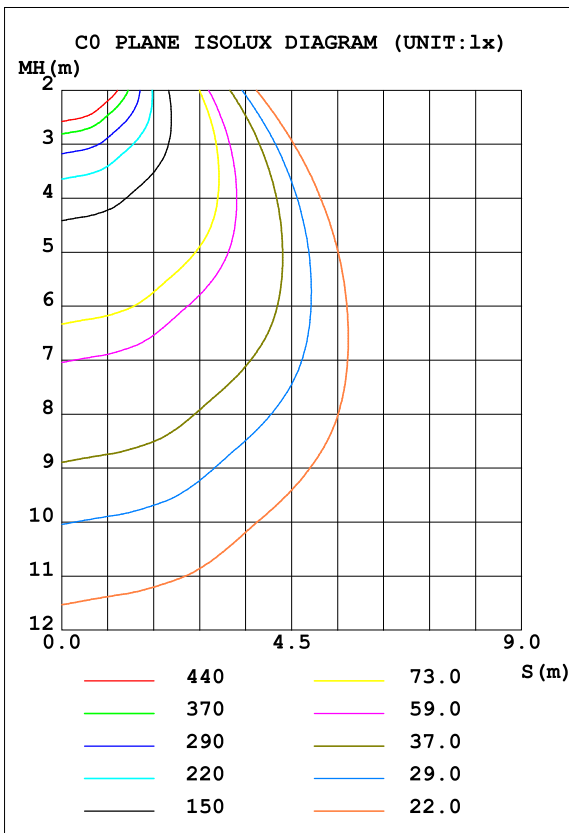
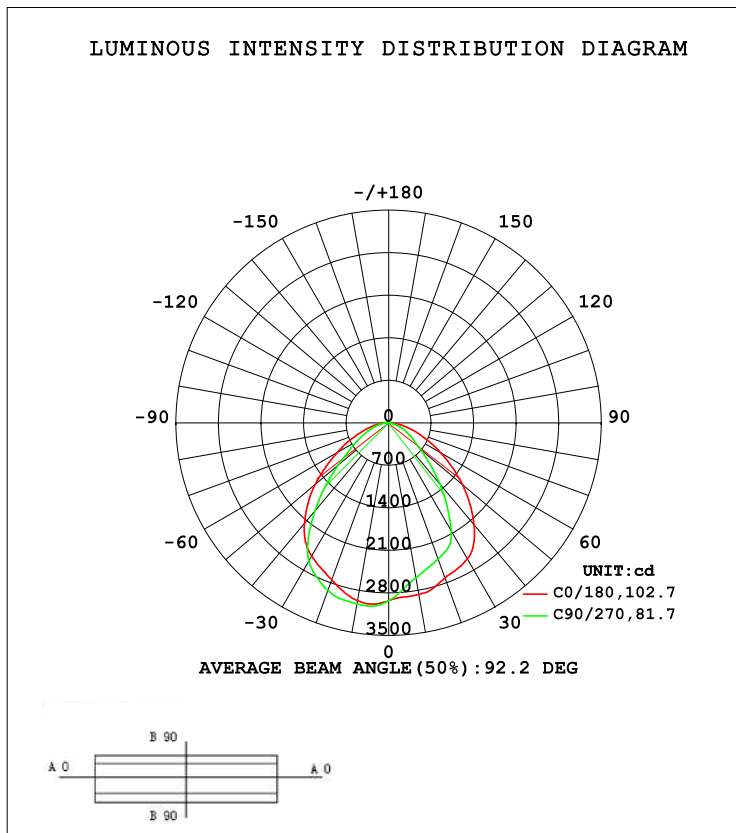


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.71 lm/W			
0012004 TS-FL0805-50W-80*110-D-Y-5000K		I _{max} (cd)	3100	S/MH(C0/180)	1.29
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	7035.0	η UP,DN(C0-180)	0.6,43.8
NOMINAL FLUX(lm)	7035.03	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,55.0
LAMPS INSIDE	1	η up(%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	98.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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:

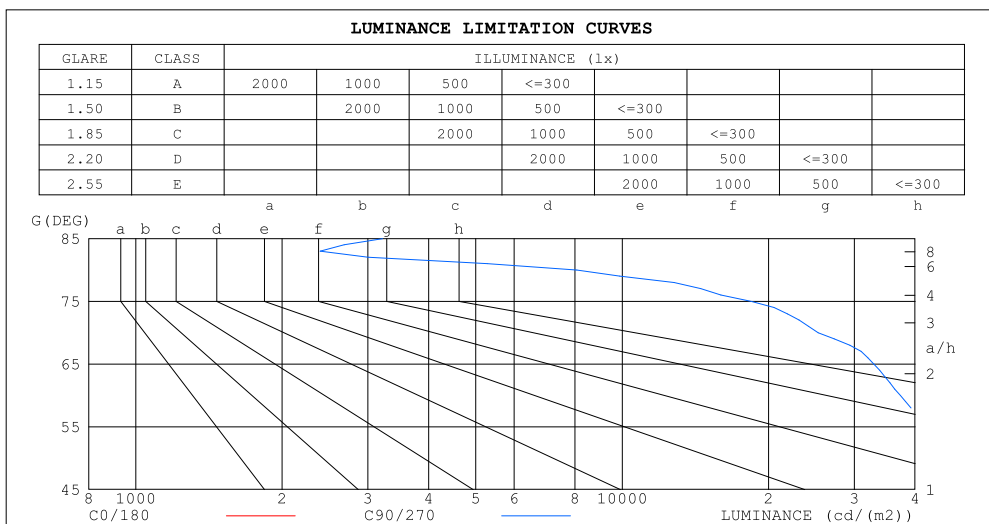
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2866	2627	2590	2712	2971	3093	3024	2955	0- 10	276.1	276.1	3.92,3.92
20	2714	2392	2383	2426	2748	2933	2935	2878	10- 20	782.2	1058	15,15
30	2588	2156	2065	2175	2535	2685	2630	2623	20- 30	1176	2235	31.8,31.8
40	2186	1859	1314	1897	2158	2366	1885	2301	30- 40	1389	3624	51.5,51.5
50	1587	1311	683.4	1362	1585	1868	1086	1729	40- 50	1296	4920	69.9,69.9
60	990.9	848.0	391.9	889.0	979.6	1287	599.6	1133	50- 60	988.6	5908	84,84
70	527.9	423.1	181.7	449.4	527.1	688.9	331.5	593.2	60- 70	633.5	6542	93,93
80	204.4	106.8	29.44	126.7	220.6	295.1	146.5	245.2	70- 80	318.7	6860	97.5,97.5
90	19.48	6.878	5.945	6.521	26.23	55.35	15.79	24.49	80- 90	88.77	6949	98.8,98.8
100	7.330	7.991	6.682	7.351	9.174	8.516	7.082	7.834	90-100	11.33	6961	98.9,98.9
110	9.439	9.802	8.736	9.301	11.63	10.05	8.953	9.649	100-110	9.113	6970	99.1,99.1
120	11.73	12.23	11.57	11.81	14.36	12.66	11.28	11.97	110-120	10.74	6980	99.2,99.2
130	14.22	14.52	14.78	13.97	17.20	14.99	14.05	14.52	120-130	12.04	6992	99.4,99.4
140	16.56	17.15	17.07	16.34	18.36	17.29	16.58	16.96	130-140	12.23	7005	99.6,99.6
150	19.25	19.70	19.15	18.94	21.33	19.98	18.81	19.53	140-150	11.44	7016	99.7,99.7
160	22.78	22.42	22.14	22.15	23.93	23.27	23.09	22.21	150-160	9.705	7026	99.9,99.9
170	25.76	25.10	24.74	24.59	26.32	25.68	25.19	24.58	160-170	6.803	7033	100,100
180	27.46	26.41	26.50	25.57	27.52	26.45	26.53	25.60	170-180	2.445	7035	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:2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	50101	3219
80	56041	8072
75	64520	18422
70	73503	25303
65	83494	32935
60	94370	37324
55	106204	42571
50	117600	50626
45	127671	65269

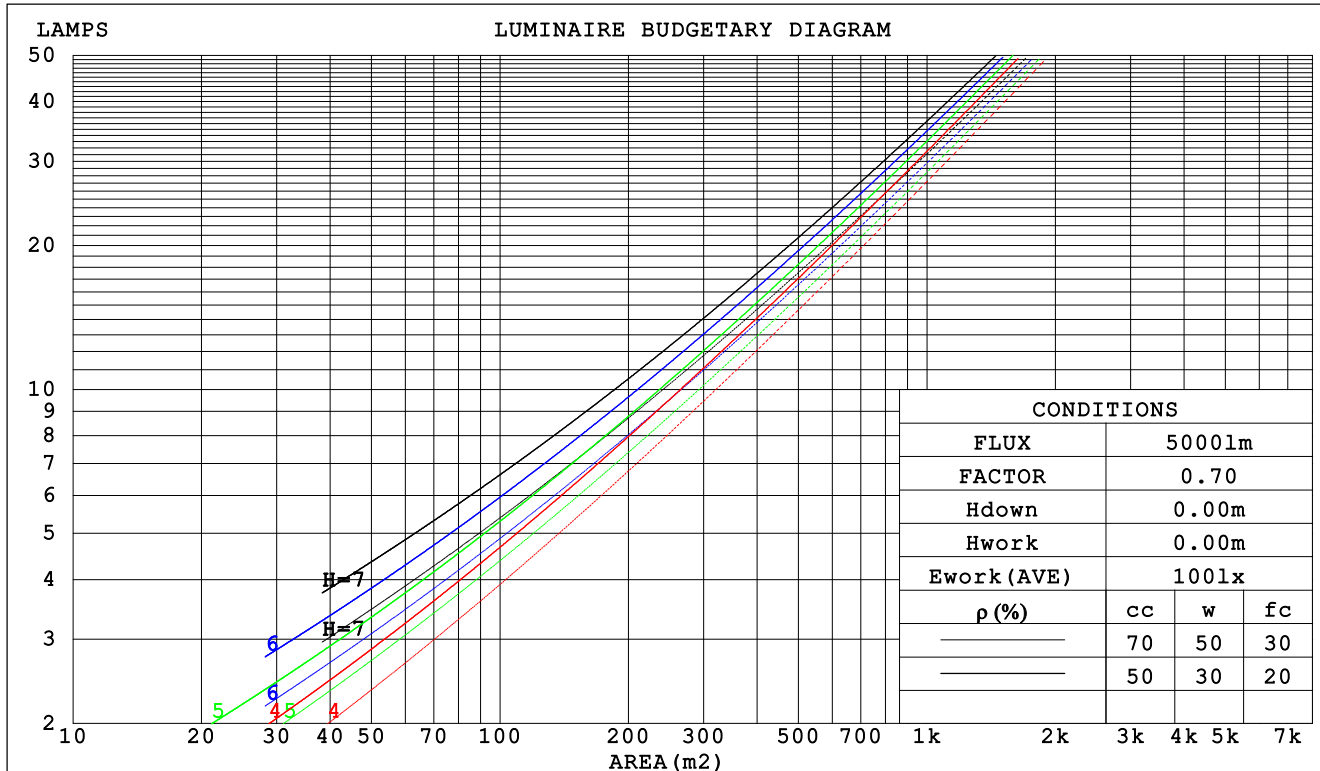
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	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	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.05	1.01	.98	1.03	.99	.96	.98	.96	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.93	.87	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.72	.68	.64	.62
4.0	.74	.65	.59	.72	.65	.59	.70	.63	.58	.67	.61	.57	.65	.60	.56	.54
5.0	.66	.58	.51	.65	.57	.51	.63	.56	.51	.61	.55	.50	.59	.54	.49	.47
6.0	.60	.51	.45	.59	.51	.45	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7.0	.55	.46	.40	.54	.46	.40	.52	.45	.40	.51	.44	.39	.49	.43	.39	.37
8.0	.50	.42	.36	.49	.41	.36	.48	.41	.36	.47	.40	.35	.45	.40	.35	.33
9.0	.46	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30
10.0	.42	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.39	.33	.29	.27



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	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	.279	.159	.050	.271	.155	.049	.258	.148	.047	.245	.141	.045	.233	.135	.044		
2.0	.266	.146	.045	.259	.143	.044	.247	.137	.043	.236	.132	.041	.226	.128	.040		
3.0	.248	.132	.040	.243	.130	.039	.232	.126	.038	.222	.122	.037	.213	.118	.036		
4.0	.232	.120	.035	.226	.119	.035	.217	.115	.034	.208	.112	.034	.200	.109	.033		
5.0	.216	.110	.032	.211	.108	.032	.203	.106	.031	.195	.103	.031	.188	.100	.030		
6.0	.202	.101	.029	.198	.100	.029	.190	.097	.028	.183	.095	.028	.176	.093	.028		
7.0	.189	.093	.026	.185	.092	.026	.178	.090	.026	.172	.088	.026	.166	.086	.025		
8.0	.177	.087	.024	.174	.086	.024	.168	.084	.024	.162	.082	.024	.157	.080	.023		
9.0	.167	.081	.023	.164	.080	.022	.158	.078	.022	.153	.077	.022	.148	.075	.022		
10.0	.157	.075	.021	.155	.075	.021	.150	.073	.021	.145	.072	.020	.141	.071	.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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.188	.166	.146	.160	.142	.126	.110	.098	.087	.063	.057	.051	.020	.018	.016	
2.0	.178	.141	.111	.153	.122	.096	.105	.084	.067	.060	.049	.039	.019	.016	.013	
3.0	.170	.124	.087	.146	.107	.075	.100	.074	.053	.058	.043	.031	.019	.014	.010	
4.0	.162	.110	.070	.139	.095	.061	.096	.066	.043	.055	.039	.026	.018	.013	.008	
5.0	.155	.100	.059	.133	.086	.051	.092	.060	.036	.053	.035	.021	.017	.012	.007	
6.0	.148	.091	.050	.127	.079	.044	.088	.055	.031	.051	.032	.018	.016	.011	.006	
7.0	.141	.084	.044	.121	.073	.039	.084	.051	.027	.049	.030	.016	.016	.010	.005	
8.0	.135	.078	.039	.116	.068	.034	.080	.048	.024	.047	.028	.015	.015	.009	.005	
9.0	.129	.073	.036	.111	.064	.031	.077	.045	.022	.045	.026	.013	.015	.009	.004	
10.0	.124	.069	.033	.107	.060	.029	.074	.042	.020	.043	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm											
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: EVERFINE						SUR.: 0.204*0.104		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	27.4	28.9	27.7	29.2	29.6	23.0	24.5	23.4	24.9	25.2	
	28.8	30.2	29.2	30.5	30.9	24.0	25.4	24.4	25.7	26.1	
	29.4	30.6	29.8	31.0	31.4	24.2	25.5	24.6	25.9	26.3	
	29.8	30.9	30.2	31.3	31.8	24.2	25.4	24.7	25.8	26.2	
	29.9	31.0	30.3	31.4	31.9	24.2	25.3	24.7	25.7	26.2	
	30.0	31.0	30.4	31.4	31.9	24.2	25.2	24.6	25.7	26.1	
4H 2H	27.7	29.0	28.2	29.4	29.8	24.6	25.9	25.1	26.3	26.7	
	29.4	30.5	29.8	30.9	31.3	25.8	26.8	26.2	27.3	27.7	
	30.1	31.0	30.5	31.5	31.9	26.0	27.0	26.5	27.4	27.9	
	30.6	31.4	31.1	31.9	32.4	26.1	26.9	26.5	27.3	27.8	
	30.8	31.5	31.2	32.0	32.5	26.0	26.8	26.5	27.3	27.8	
	30.9	31.6	31.4	32.1	32.6	26.0	26.7	26.5	27.2	27.7	
8H 4H	30.1	30.9	30.6	31.4	31.9	26.6	27.4	27.1	27.8	28.3	
	30.7	31.4	31.3	31.9	32.4	26.7	27.3	27.2	27.8	28.3	
	30.9	31.5	31.5	32.0	32.6	26.6	27.2	27.2	27.8	28.3	
	31.1	31.6	31.6	32.1	32.7	26.6	27.1	27.1	27.6	28.2	
12H 4H	30.1	30.8	30.6	31.3	31.8	26.7	27.4	27.2	27.9	28.4	
	30.7	31.3	31.3	31.8	32.3	26.8	27.4	27.3	27.9	28.4	
	30.9	31.4	31.5	32.0	32.6	26.8	27.3	27.3	27.8	28.4	
CIE190: 2010											

CIE190: 2010
Area: 0.021 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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

UTILIZATION FACTORS TABLE

Test:U:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:

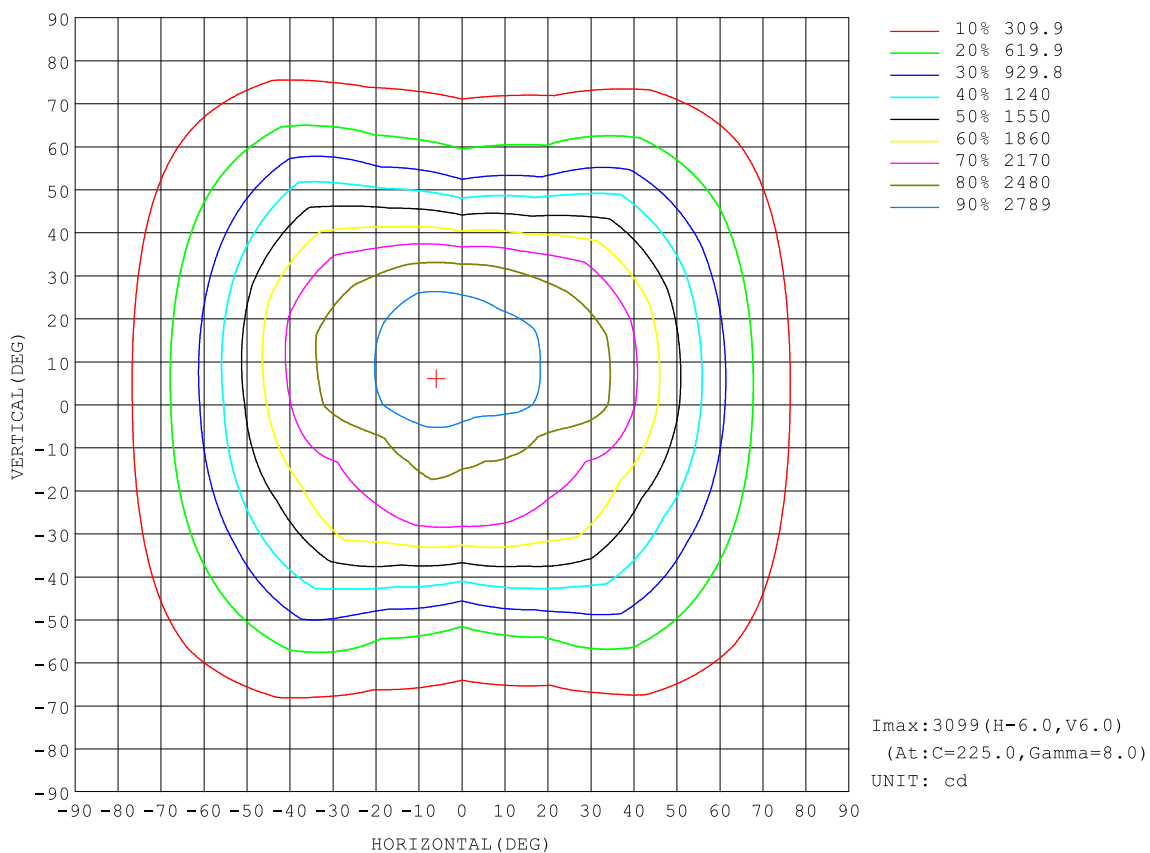
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	50	44	61	50	44	59	50	44	38
0.80	71	61	54	70	60	54	69	59	53	47
1.00	80	70	63	78	69	63	76	70	62	55
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	89	81	75	86	79	74	67
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
5.00	110	105	102	107	103	100	102	99	97	87
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: 2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:

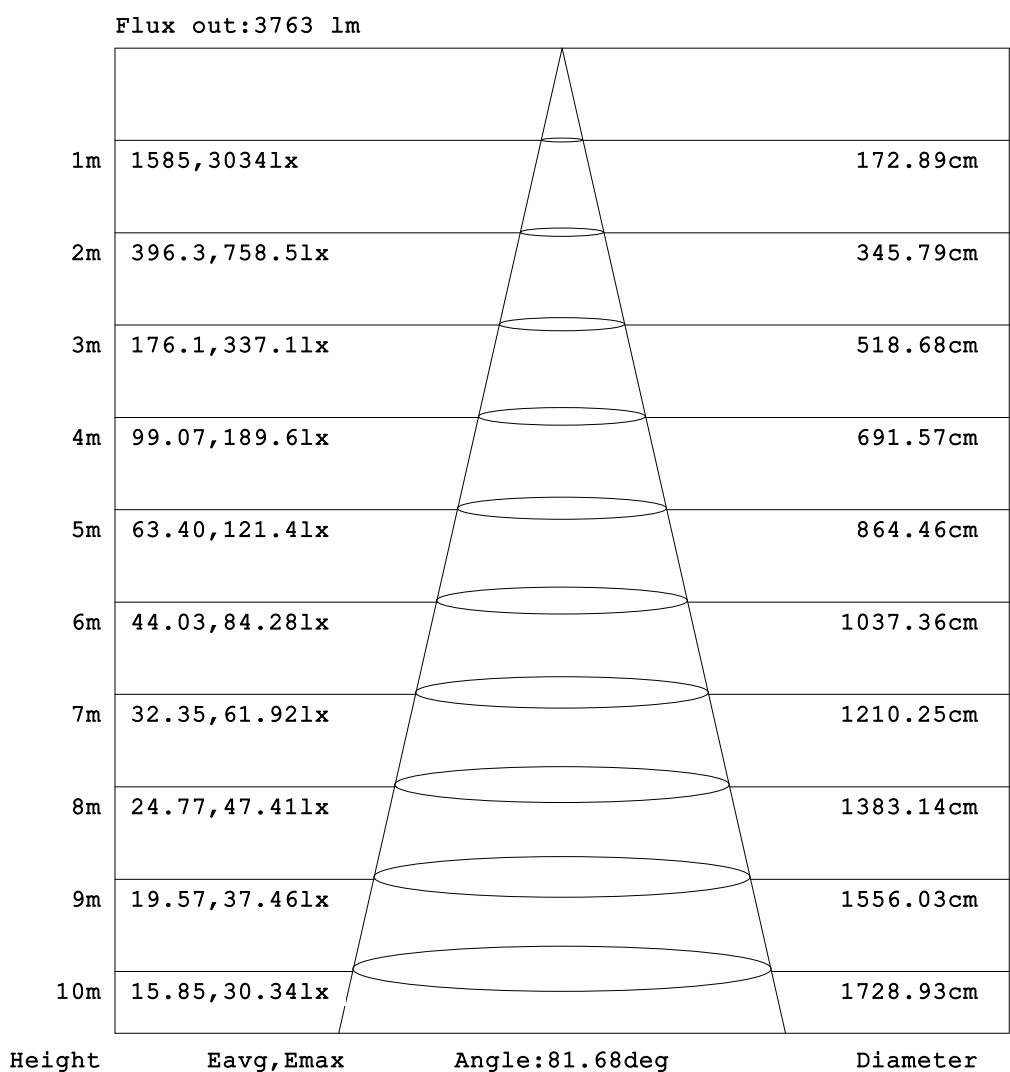


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:



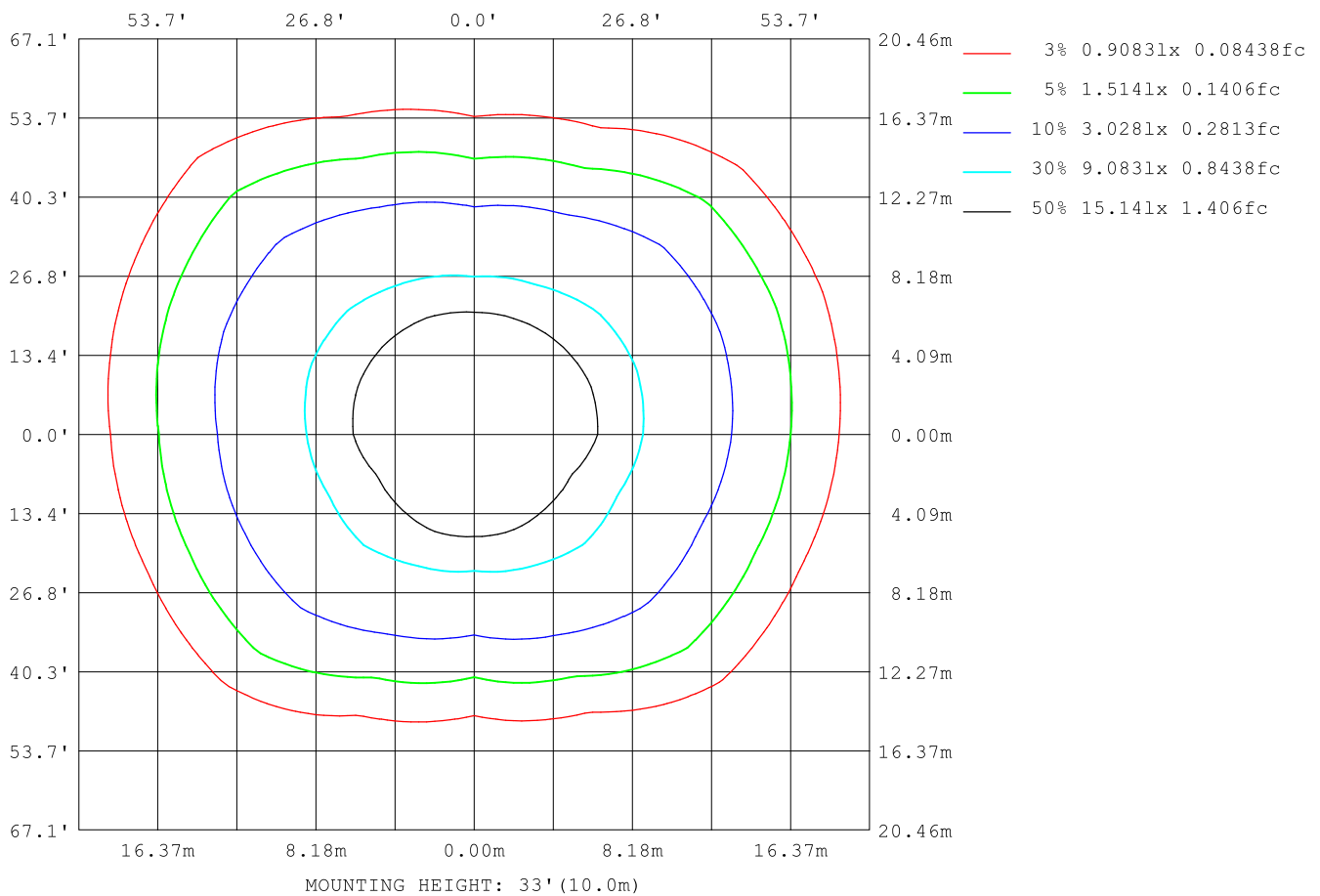
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
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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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	Shielding Angle:

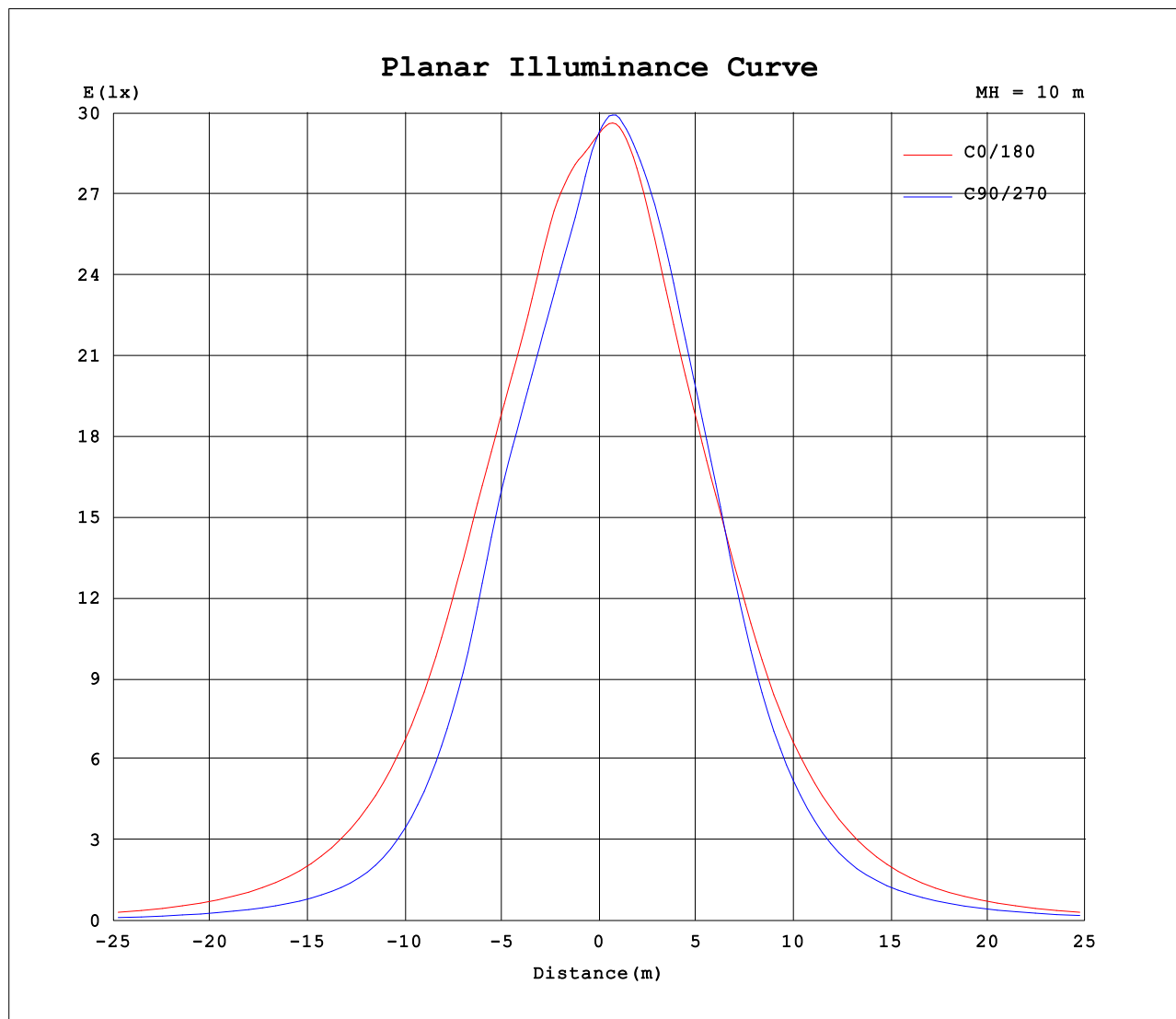
AvgL	cd/m2
L_0~180 (65) av	83508
L_0~180 (75) av	65066
L_0~180 (85) av	56034
L_90~270 (65) av	41837
L_90~270 (75) av	30578
L_90~270 (85) av	21596
L_45 (65) av	85728
L_45 (75) av	64789
L_45 (85) av	43170

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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: 2023-10-28

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:120.47V I:0.4184A P:49.996W PF:0.9918 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:7035.03x1 lm		
NAME: 1000012004 TS-FL0805-50W-80*110-D-Y-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.204*0.104	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	2925	2929	2927	2932	2930	2933	2931	2927	2925	2929	2927	2932	2930	2933	2931	2927			
5	2874	2817	2762	2741	2745	2794	2857	2932	2995	3043	3069	3060	3029	2992	2955	2921			
10	2866	2733	2627	2577	2590	2655	2712	2828	2971	3068	3093	3081	3024	2966	2955	2935			
15	2821	2617	2513	2465	2479	2552	2572	2651	2877	2991	3031	3066	3003	2934	2922	2904			
20	2714	2448	2392	2373	2383	2454	2426	2464	2748	2846	2933	3009	2935	2874	2878	2783			
25	2658	2314	2264	2275	2289	2337	2299	2319	2638	2721	2817	2881	2804	2754	2765	2686			
30	2588	2203	2156	2142	2065	2164	2175	2206	2535	2627	2685	2707	2630	2610	2623	2625			
35	2439	2072	2038	1857	1677	1848	2058	2088	2389	2534	2536	2462	2304	2372	2485	2539			
40	2186	1870	1859	1534	1314	1518	1897	1915	2158	2383	2366	2122	1885	2009	2301	2343			
45	1896	1612	1575	1238	969	1220	1621	1668	1881	2137	2141	1755	1477	1628	2030	2062			
50	1587	1347	1311	928	683	916	1362	1431	1585	1847	1868	1409	1086	1268	1729	1753			
55	1279	1113	1076	664	513	673	1132	1181	1264	1504	1580	1069	795	934	1433	1431			
60	991	872	848	486	392	512	889	895	980	1150	1287	797	600	699	1133	1117			
65	741	656	614	357	292	382	637	672	741	856	962	601	450	530	831	837			
70	528	477	423	231	182	258	449	487	527	621	689	434	331	388	593	597			
75	351	322	257	130	100	143	278	336	357	420	466	308	232	267	408	405			
80	204	181	107	45.1	29.4	52.8	127	203	221	262	295	195	146	162	245	241			
85	91.7	57.5	20.4	11.5	5.89	10.8	25.8	77.4	113	140	151	100	73.2	77.9	118	117			
90	19.5	11.8	6.88	6.77	5.95	5.91	6.52	14.1	26.2	46.2	55.3	31.6	15.8	19.3	24.5	23.0			
95	6.53	7.14	7.31	6.85	6.15	6.41	6.69	6.56	15.2	12.6	16.8	13.2	6.72	11.8	11.9	8.40			
100	7.33	7.97	7.99	7.33	6.68	6.85	7.35	7.22	9.17	8.95	8.52	7.84	7.08	7.00	7.83	8.33			
105	8.30	8.92	8.81	8.07	7.53	7.83	8.24	8.08	10.3	9.90	9.22	8.61	8.07	7.89	8.54	9.19			
110	9.44	9.88	9.80	9.09	8.74	8.81	9.30	9.08	11.6	10.9	10.1	9.79	8.95	9.02	9.65	10.3			
115	10.6	10.8	10.9	10.4	10.1	10.2	10.5	10.1	13.0	12.2	11.3	10.6	10.1	10.0	10.7	11.5			
120	11.7	12.0	12.2	11.9	11.6	11.6	11.8	11.3	14.4	13.5	12.7	11.7	11.3	11.4	12.0	12.7			
125	12.9	13.1	13.5	13.5	13.2	13.1	13.0	12.5	15.8	15.0	13.8	13.0	12.7	12.9	13.3	14.0			
130	14.2	14.3	14.5	14.8	14.8	14.4	14.0	13.7	17.2	16.3	15.0	14.4	14.0	14.3	14.5	15.3			
135	15.2	15.3	15.8	15.8	15.6	15.3	15.1	14.7	18.1	17.2	16.2	15.5	15.5	15.6	15.7	16.5			
140	16.6	16.7	17.1	17.2	17.1	16.7	16.3	16.2	18.4	18.1	17.3	16.8	16.6	16.7	17.0	17.4			
145	17.8	18.1	18.6	18.3	18.3	17.9	17.7	17.3	20.5	19.2	18.5	18.2	17.4	17.8	18.1	18.4			
150	19.2	19.6	19.7	19.3	19.2	19.0	18.9	18.5	21.3	20.7	20.0	19.3	18.8	19.0	19.5	19.9			
155	21.2	21.3	21.0	20.6	20.6	20.5	20.5	20.2	22.4	22.0	21.8	21.2	20.5	20.6	21.1	21.2			
160	22.8	22.7	22.4	21.9	22.1	22.0	22.1	21.5	23.9	23.5	23.3	22.8	23.1	22.4	22.2	22.6			
165	24.6	24.4	23.8	23.8	23.8	23.7	23.7	23.3	26.0	25.5	24.8	24.6	24.9	24.2	23.6	24.0			
170	25.8	25.4	25.1	24.8	24.7	24.7	24.6	24.3	26.3	26.0	25.7	25.3	25.2	25.0	24.6	24.8			
175	26.4	26.2	26.0	25.5	25.6	25.7	25.4	24.9	27.0	26.6	26.3	25.8	25.8	25.5	25.1	25.0			
180	27.5	27.3	26.4	26.6	26.5	26.5	25.6	25.5	27.5	27.2	26.4	26.6	26.5	26.4	25.6	25.4			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

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	2925	2929	2927	2932	2930	2933	2931	2927	2925	2929
3.0	2885	2854	2830	2825	2829	2862	2900	2939	2974	3005
6.0	2874	2801	2730	2700	2707	2761	2830	2921	2998	3057
9.0	2870	2755	2648	2603	2616	2678	2741	2857	2983	3073
12.0	2859	2692	2580	2527	2543	2612	2656	2763	2940	3047
15.0	2821	2617	2513	2465	2479	2552	2572	2651	2877	2991
18.0	2755	2516	2445	2410	2421	2494	2483	2535	2799	2907
21.0	2698	2416	2364	2354	2365	2432	2399	2431	2724	2818
24.0	2668	2337	2285	2296	2311	2362	2322	2345	2658	2744
27.0	2635	2270	2221	2233	2228	2281	2251	2273	2600	2682
30.0	2588	2203	2156	2142	2065	2164	2175	2206	2535	2627
33.0	2515	2130	2088	1989	1832	1989	2104	2140	2456	2574
36.0	2396	2038	2011	1787	1604	1777	2034	2057	2352	2512
39.0	2242	1916	1903	1595	1385	1579	1936	1957	2209	2421
42.0	2071	1771	1754	1416	1171	1399	1796	1821	2048	2294
45.0	1896	1612	1575	1238	969.2	1220	1621	1668	1881	2137
48.0	1712	1451	1410	1045	788.7	1037	1459	1522	1709	1968
51.0	1524	1297	1264	872.4	643.0	859.2	1313	1385	1519	1783
54.0	1341	1158	1123	699.8	539.5	713.3	1177	1236	1327	1578
57.0	1158	1017	980.6	581.3	460.3	602.5	1039	1064	1143	1361
60.0	990.9	871.8	848.0	486.3	391.9	512.3	889.0	895.2	979.6	1150
63.0	839.8	740.9	705.7	402.8	330.6	432.6	730.0	753.8	833.0	965.6
66.0	694.0	615.5	573.8	332.7	273.2	357.9	594.7	632.7	695.7	807.1
69.0	564.8	508.4	457.1	259.8	205.2	283.4	484.6	522.0	566.2	665.4
72.0	456.0	416.0	359.6	179.1	149.8	197.7	380.1	423.7	452.9	534.7
75.0	350.7	322.0	256.7	129.8	100.1	142.7	277.7	335.6	356.6	419.5
78.0	262.6	235.5	161.5	76.97	55.87	84.06	178.7	253.5	274.4	320.3
81.0	180.9	153.6	87.99	34.56	17.36	38.17	100.7	177.3	197.9	233.7
84.0	110.7	74.86	27.29	12.40	5.891	11.38	42.16	100.1	131.5	161.6
87.0	57.20	25.58	9.982	6.999	5.873	6.207	14.25	43.49	77.54	97.82
90.0	19.48	11.80	6.878	6.767	5.945	5.909	6.521	14.08	26.23	46.21
93.0	9.341	6.870	7.100	6.781	6.037	6.170	6.518	9.605	16.38	19.01
96.0	6.669	7.300	7.420	6.890	6.245	6.535	6.756	6.672	10.98	11.48
99.0	7.175	7.793	7.828	7.205	6.543	6.690	7.193	7.077	8.965	8.794
102.0	7.704	8.318	8.277	7.614	7.009	7.332	7.689	7.555	9.644	9.323
105.0	8.304	8.919	8.812	8.074	7.533	7.834	8.236	8.078	10.35	9.895
108.0	8.981	9.508	9.384	8.639	8.183	8.328	8.873	8.662	11.12	10.49
111.0	9.676	10.06	10.01	9.338	8.978	9.070	9.531	9.285	11.88	11.13
114.0	10.36	10.61	10.66	10.16	9.775	9.924	10.24	9.916	12.72	11.91
117.0	11.03	11.24	11.43	10.98	10.79	10.75	11.02	10.59	13.54	12.73
120.0	11.73	12.01	12.23	11.92	11.57	11.63	11.81	11.34	14.36	13.53
123.0	12.43	12.72	12.98	12.89	12.46	12.54	12.55	12.03	15.26	14.40
126.0	13.20	13.37	13.68	13.85	13.58	13.40	13.17	12.70	16.13	15.24
129.0	13.97	14.10	14.29	14.65	14.49	14.18	13.76	13.43	16.92	16.07
132.0	14.52	14.69	14.99	15.09	14.94	14.64	14.36	14.12	17.69	16.51
135.0	15.24	15.28	15.77	15.82	15.63	15.34	15.06	14.71	18.08	17.16
138.0	15.96	16.07	16.58	16.59	16.41	16.03	15.77	15.52	18.02	17.78
141.0	16.76	17.02	17.39	17.52	17.33	17.04	16.58	16.50	18.72	18.27
144.0	17.59	17.89	18.28	18.22	18.11	17.84	17.44	17.21	20.17	18.88
147.0	18.42	18.60	19.10	18.66	18.74	18.23	18.30	17.67	20.92	19.83
150.0	19.25	19.56	19.70	19.32	19.15	18.98	18.94	18.52	21.33	20.74
153.0	20.34	20.55	20.39	20.03	19.93	19.87	19.76	19.44	21.60	21.44
156.0	21.58	21.60	21.38	20.86	21.04	20.82	20.94	20.52	22.91	22.37
159.0	22.46	22.43	22.19	21.66	21.86	21.72	21.88	21.27	23.72	23.23
162.0	23.40	23.36	23.01	22.71	22.83	22.68	22.80	22.18	25.17	24.77
165.0	24.55	24.37	23.85	23.77	23.77	23.66	23.66	23.28	25.95	25.51
168.0	25.36	25.07	24.57	24.49	24.42	24.34	24.26	24.01	26.13	25.84
171.0	25.91	25.52	25.37	24.97	24.95	24.96	24.81	24.51	26.43	26.08
174.0	26.30	25.91	25.93	25.40	25.50	25.40	25.25	24.87	26.82	26.51
177.0	26.93	26.73	26.36	26.20	26.25	26.34	25.68	25.29	27.59	27.04
180.0	27.46	27.25	26.41	26.61	26.50	26.45	25.57	25.48	27.52	27.19
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	2927	2932	2930	2933	2931	2927				
3.0	3018	3022	3003	2980	2950	2916				
6.0	3084	3072	3032	2990	2959	2925				
9.0	3099	3081	3027	2972	2957	2935				
12.0	3073	3077	3016	2953	2944	2933				
15.0	3031	3066	3003	2934	2922	2904				
18.0	2976	3041	2972	2906	2901	2837				
21.0	2912	2988	2912	2855	2861	2757				
24.0	2842	2912	2833	2781	2793	2700				
27.0	2766	2816	2743	2700	2709	2662				
30.0	2685	2707	2630	2610	2623	2625				

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ 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	2597	2575	2455	2486	2541	2582
36.0	2505	2399	2221	2305	2455	2510
39.0	2403	2195	1969	2087	2344	2391
42.0	2284	1973	1719	1854	2204	2237
45.0	2141	1755	1477	1628	2030	2062
48.0	1980	1545	1239	1410	1850	1879
51.0	1809	1338	1016	1198	1669	1689
54.0	1637	1135	841.9	994.8	1491	1496
57.0	1465	946.8	709.4	828.0	1315	1303
60.0	1287	797.5	599.6	699.0	1133	1117
63.0	1092	668.9	505.6	593.2	947.5	941.6
66.0	901.0	566.6	424.6	500.1	777.8	788.0
69.0	737.7	460.5	353.5	415.3	636.3	642.2
72.0	591.9	387.4	290.4	337.1	514.2	512.3
75.0	466.5	308.2	232.3	266.9	407.8	405.3
78.0	360.4	237.8	179.5	201.9	307.6	302.2
81.0	262.5	174.0	131.0	143.8	218.8	215.5
84.0	176.0	117.4	86.78	92.77	140.9	139.6
87.0	106.6	68.75	47.87	51.07	81.30	76.26
90.0	55.35	31.57	15.79	19.29	24.49	22.95
93.0	19.85	14.54	7.864	12.38	18.47	15.00
96.0	13.81	11.49	6.699	9.812	7.831	7.784
99.0	8.417	7.794	6.919	6.888	7.702	8.173
102.0	8.800	8.192	7.525	7.459	8.120	8.660
105.0	9.218	8.614	8.075	7.892	8.542	9.189
108.0	9.697	9.153	8.459	8.343	9.095	9.805
111.0	10.26	9.987	9.290	9.214	9.838	10.50
114.0	10.98	10.50	9.852	9.778	10.45	11.21
117.0	11.81	11.01	10.51	10.53	11.19	11.91
120.0	12.66	11.70	11.28	11.39	11.97	12.67
123.0	13.31	12.48	12.09	12.31	12.84	13.47
126.0	14.09	13.26	12.94	13.23	13.55	14.25
129.0	14.73	14.09	13.76	14.09	14.26	14.97
132.0	15.57	14.86	14.65	14.82	15.04	15.81
135.0	16.23	15.49	15.53	15.63	15.74	16.48
138.0	16.83	16.32	16.25	16.27	16.38	16.97
141.0	17.48	17.17	16.66	16.89	17.20	17.56
144.0	18.16	17.93	17.19	17.57	17.84	18.15
147.0	19.09	18.62	17.95	18.31	18.66	19.06
150.0	19.98	19.34	18.81	19.03	19.53	19.93
153.0	21.09	20.59	20.37	20.05	20.49	20.58
156.0	22.08	21.57	20.70	20.95	21.33	21.43
159.0	23.09	22.59	22.77	22.07	22.04	22.34
162.0	24.13	23.70	23.99	23.30	22.96	23.42
165.0	24.82	24.58	24.94	24.25	23.65	23.97
168.0	25.41	25.01	24.84	24.76	24.25	24.57
171.0	25.79	25.42	25.33	25.07	24.72	24.90
174.0	26.15	25.66	25.67	25.44	25.04	25.04
177.0	26.38	26.13	26.37	25.85	25.27	25.23
180.0	26.45	26.56	26.53	26.41	25.60	25.45

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-10-28

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: