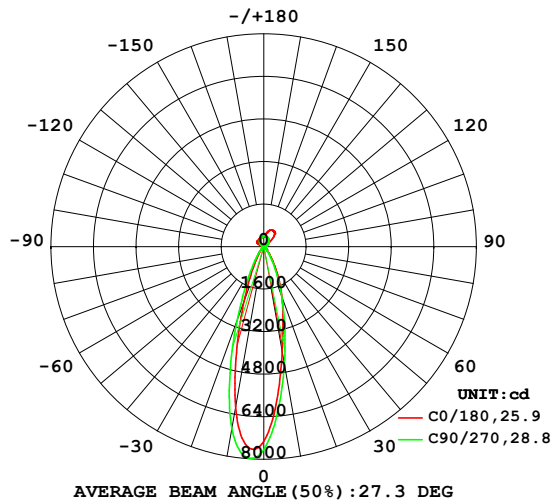


LUMINAIRE PHOTOMETRIC TEST REPORT

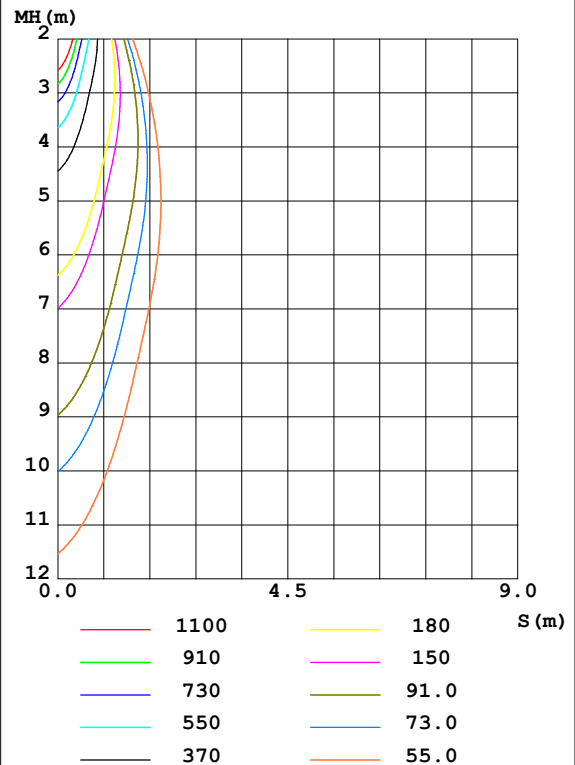
NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.33 lm/W
MODEL		I _{max} (cd)	8182	S/MH (C0/180)	0.37	
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH (C90/270)	0.57	
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	3983.6	η UP,DN (C0-180)	16.9,30.3	
NOMINAL FLUX(lm)	3983.61	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	16.4,36.3	
LAMPS INSIDE	1	η up (%)	33.3	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	120.0	η down (%)	66.7	CIBSE SHR MAX	0.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

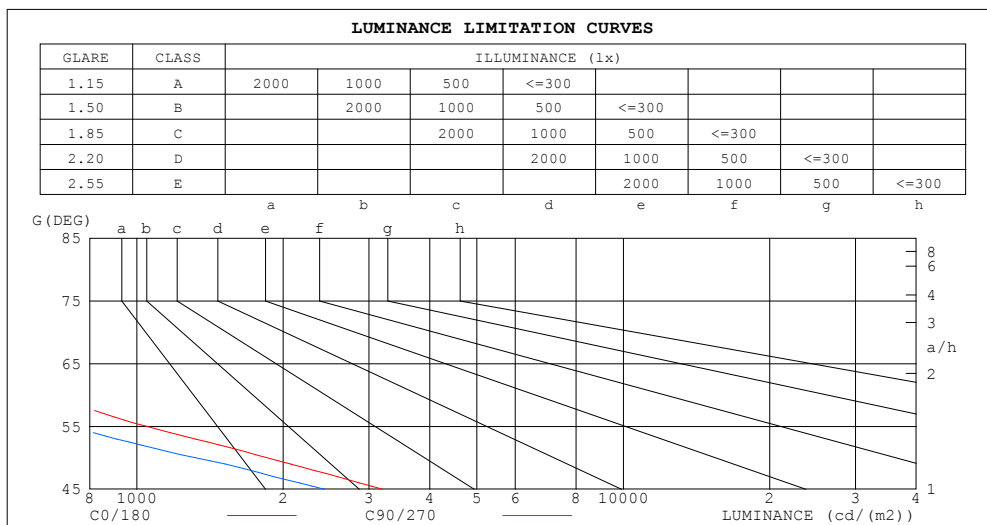
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4000	4045	4483	5480	6119	7098	6933	5086	0- 10	610.9	610.9	15.3,15.3
20	2002	1947	1972	2121	2170	2614	2953	2271	10- 20	1010	1621	40.7,40.7
30	824.4	804.7	698.1	647.0	597.3	693.1	851.2	804.7	20- 30	612.5	2233	56.1,56.1
40	268.2	262.0	211.4	200.5	194.2	222.5	264.0	251.9	30- 40	269.7	2503	62.8,62.8
50	76.95	81.42	54.79	67.27	56.83	77.73	71.68	81.64	40- 50	105.1	2608	65.5,65.5
60	21.52	22.15	14.61	18.37	18.32	21.67	17.83	23.06	50- 60	35.74	2644	66.4,66.4
70	2.515	5.862	0.2058	4.431	0.1017	7.557	0.8357	6.563	60- 70	11.15	2655	66.7,66.7
80	0.2565	0.0629	0.0388	0.0508	0	0.1091	0.1911	0.2084	70- 80	0.6573	2656	66.7,66.7
90	0.0218	0.1826	1.116	0.6819	0.0481	0.7017	0.0726	0.2538	80- 90	0.1589	2656	66.7,66.7
100	0.9304	2.151	33.15	9.889	3.842	9.196	16.58	2.142	90-100	3.946	2660	66.8,66.8
110	6.307	28.31	84.14	144.0	73.48	144.7	63.37	33.92	100-110	38.56	2698	67.7,67.7
120	59.15	242.5	145.0	202.9	300.0	202.0	121.1	271.4	110-120	132.5	2831	71.1,71.1
130	341.7	493.7	210.4	242.8	325.8	239.9	185.4	490.3	120-130	236.3	3067	77,77
140	641.3	586.8	273.6	288.4	323.9	286.0	251.5	565.5	130-140	284.4	3352	84.1,84.1
150	700.4	607.1	329.6	329.7	341.9	327.3	309.8	577.1	140-150	266.2	3618	90.8,90.8
160	658.0	555.8	371.2	358.9	361.3	356.1	357.9	516.4	150-160	205.1	3823	96,96
170	497.7	467.0	397.4	379.6	374.0	378.1	390.1	441.9	160-170	121.7	3945	99,99
180	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	170-180	38.96	3984	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18	0
80	23	3
75	23	6
70	113	9
65	476	220
60	664	451
55	1046	734
50	1847	1316
45	3201	2433

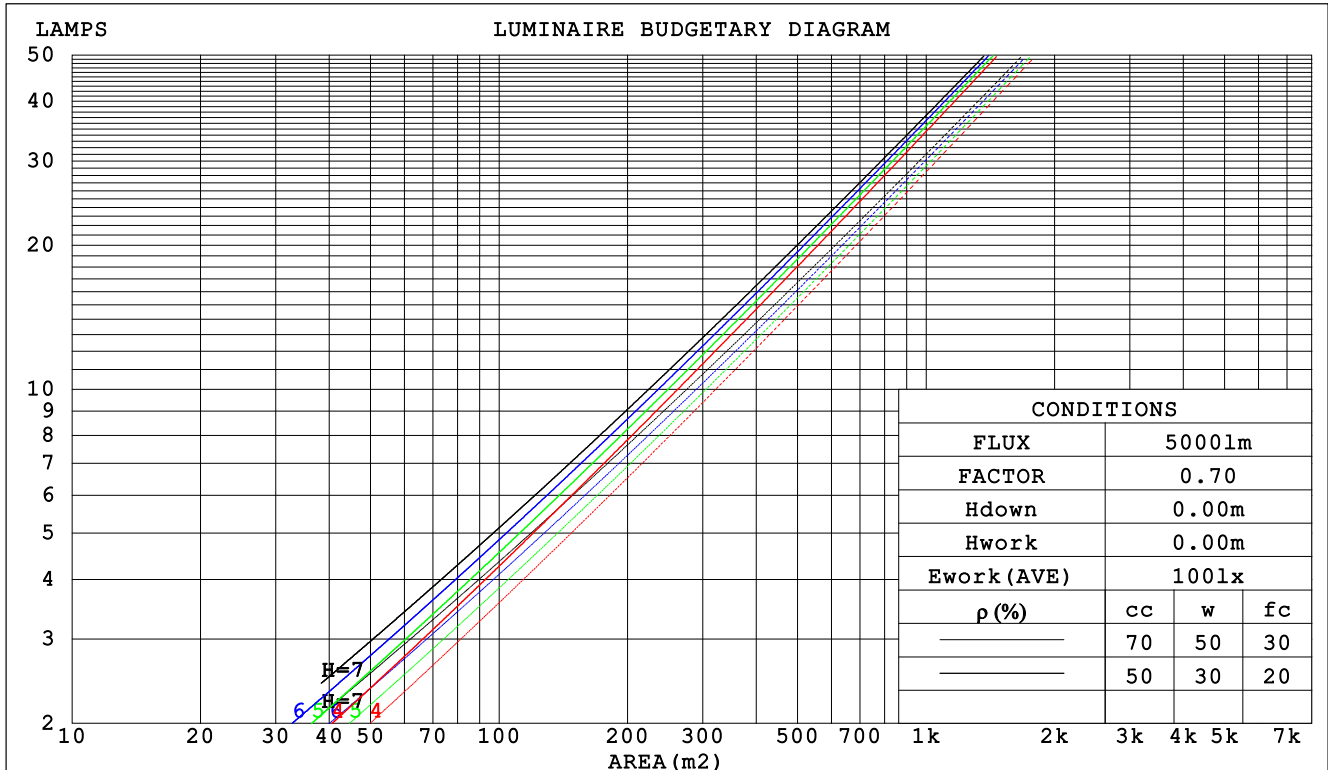
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	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	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.82	.82	.82	.71	.71	.71	.67
1.0	1.02	.99	.97	.97	.94	.92	.87	.85	.84	.77	.76	.75	.69	.68	.67	.63
2.0	.94	.90	.87	.90	.86	.83	.81	.78	.76	.73	.71	.70	.66	.65	.64	.60
3.0	.87	.82	.78	.84	.79	.76	.76	.73	.70	.69	.67	.65	.63	.61	.60	.57
4.0	.81	.76	.72	.78	.73	.70	.72	.68	.65	.66	.63	.61	.60	.58	.57	.54
5.0	.76	.71	.66	.73	.68	.64	.68	.64	.61	.63	.60	.57	.58	.56	.54	.52
6.0	.72	.66	.62	.69	.64	.60	.64	.60	.57	.60	.57	.54	.56	.53	.51	.49
7.0	.68	.62	.58	.65	.60	.56	.61	.57	.54	.57	.54	.51	.53	.51	.49	.47
8.0	.64	.58	.54	.62	.57	.53	.58	.54	.51	.55	.51	.49	.51	.49	.47	.45
9.0	.61	.55	.51	.59	.54	.50	.56	.51	.49	.52	.49	.47	.49	.47	.45	.43
10.0	.58	.52	.49	.56	.51	.48	.53	.49	.46	.50	.47	.45	.48	.45	.43	.42



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.191	.108	.034	.174	.099	.031	.142	.082	.026	.113	.065	.021	.087	.050	.016		
2.0	.178	.097	.030	.163	.090	.028	.135	.075	.023	.109	.061	.019	.085	.048	.015		
3.0	.166	.089	.027	.153	.082	.025	.127	.069	.021	.104	.057	.017	.082	.045	.014		
4.0	.156	.081	.024	.144	.075	.022	.121	.064	.019	.099	.053	.016	.079	.043	.013		
5.0	.147	.075	.022	.136	.070	.020	.114	.060	.018	.095	.050	.015	.077	.041	.012		
6.0	.138	.069	.020	.128	.065	.019	.109	.056	.016	.091	.047	.014	.074	.039	.012		
7.0	.131	.065	.018	.121	.060	.017	.104	.052	.015	.087	.045	.013	.071	.037	.011		
8.0	.124	.061	.017	.115	.057	.016	.099	.049	.014	.083	.042	.012	.069	.035	.010		
9.0	.118	.057	.016	.110	.053	.015	.094	.047	.013	.080	.040	.011	.066	.034	.010		
10.0	.112	.054	.015	.105	.050	.014	.090	.044	.012	.077	.038	.011	.064	.032	.009		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.444	.444	.444	.380	.380	.380	.259	.259	.259	.149	.149	.149	.048	.048	.048	
1.0	.428	.413	.400	.366	.355	.344	.251	.244	.238	.144	.141	.138	.046	.045	.045	
2.0	.415	.390	.370	.355	.336	.319	.243	.232	.223	.140	.135	.131	.045	.044	.043	
3.0	.404	.373	.348	.346	.322	.302	.238	.223	.212	.137	.130	.125	.044	.042	.041	
4.0	.394	.359	.332	.338	.310	.289	.233	.216	.203	.135	.127	.120	.043	.041	.040	
5.0	.386	.348	.321	.331	.301	.279	.228	.211	.197	.132	.124	.117	.043	.040	.039	
6.0	.379	.340	.312	.325	.294	.272	.225	.206	.192	.130	.121	.114	.042	.040	.038	
7.0	.372	.333	.305	.320	.288	.266	.221	.202	.188	.129	.119	.112	.042	.039	.037	
8.0	.367	.327	.300	.316	.284	.261	.218	.199	.185	.127	.117	.110	.041	.039	.037	
9.0	.361	.322	.295	.311	.280	.258	.216	.196	.183	.126	.116	.109	.041	.038	.036	
10.0	.357	.318	.292	.308	.276	.255	.213	.194	.181	.124	.115	.108	.040	.038	.036	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: GEN10					TYPE:3500K					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: EVERFINE					SUR.:1.2*0.054					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					8.4	9.1	9.0	9.7	10.4	7.3	8.0	8.0	8.6	9.3
3H					8.1	8.8	8.8	9.4	10.2	7.0	7.7	7.7	8.3	9.1
4H					8.0	8.6	8.7	9.3	10.1	6.9	7.5	7.6	8.2	9.0
6H					7.8	8.4	8.6	9.1	9.9	6.7	7.3	7.5	8.0	8.9
8H					7.8	8.3	8.5	9.0	9.9	6.7	7.2	7.4	7.9	8.8
12H					7.7	8.2	8.5	8.9	9.8	6.6	7.1	7.4	7.8	8.7
4H 2H					8.0	8.6	8.7	9.3	10.1	7.0	7.6	7.7	8.3	9.1
3H					7.8	8.3	8.5	9.0	9.9	6.7	7.2	7.5	7.9	8.8
4H					7.6	8.1	8.4	8.8	9.7	6.5	7.0	7.3	7.8	8.7
6H					7.4	7.8	8.3	8.6	9.6	6.4	6.8	7.2	7.6	8.5
8H					7.4	7.7	8.2	8.5	9.5	6.3	6.7	7.1	7.5	8.4
12H					7.3	7.6	8.1	8.4	9.4	6.2	6.5	7.0	7.4	8.4
8H 4H					7.4	7.7	8.2	8.5	9.5	6.3	6.7	7.1	7.5	8.4
6H					7.2	7.5	8.0	8.3	9.3	6.1	6.4	7.0	7.3	8.3
8H					7.1	7.4	8.0	8.2	9.3	6.0	6.3	6.9	7.1	8.2
12H					7.0	7.2	7.9	8.1	9.2	5.9	6.2	6.8	7.0	8.1
12H 4H					7.3	7.6	8.1	8.4	9.4	6.2	6.5	7.1	7.4	8.4
6H					7.1	7.4	8.0	8.2	9.3	6.0	6.3	6.9	7.1	8.2
8H					7.0	7.2	7.9	8.1	9.2	5.9	6.2	6.8	7.0	8.1
Variations with the observer position at spacings:														
S = 1.0H					+ 2.6 / - 7.0					+ 2.4 / - 7.8				
1.5H					+ 4.0 / - 4.6					+ 3.6 / - 5.0				
2.0H					+ 4.7 / - 5.4					+ 4.5 / - 5.6				

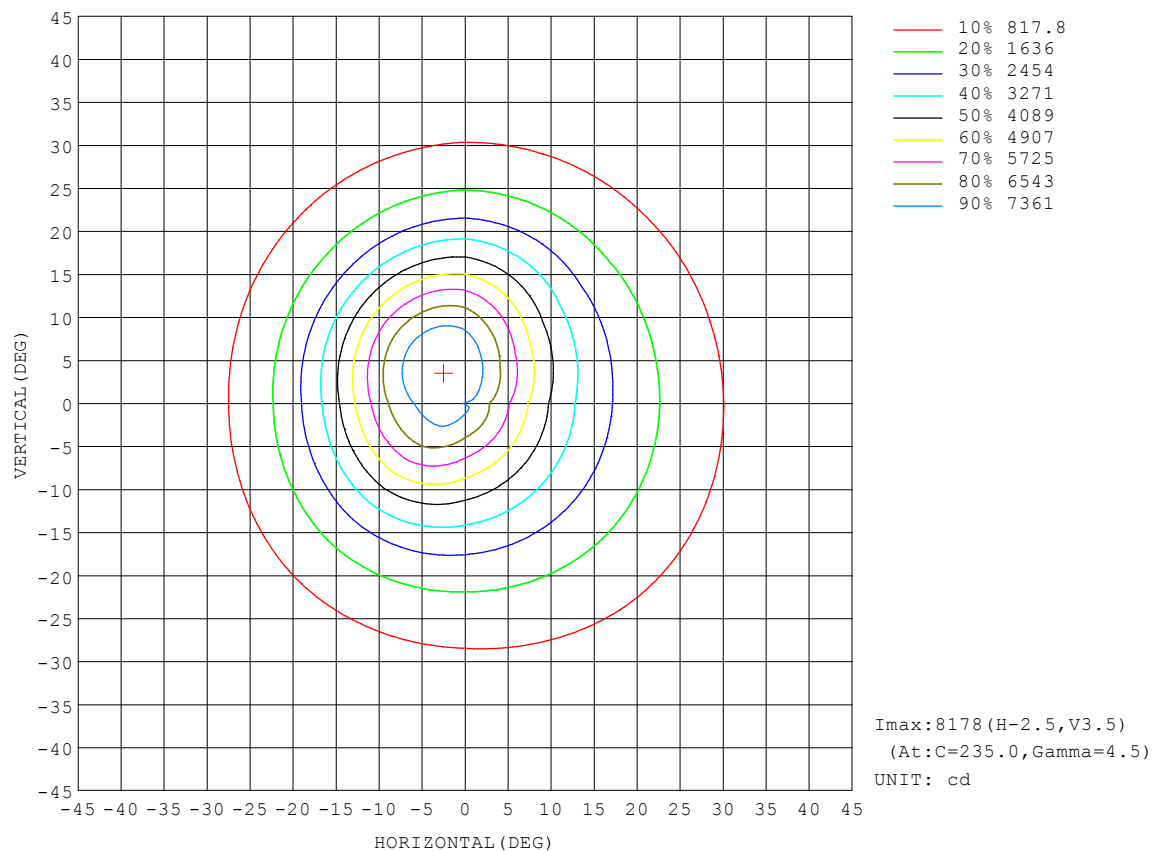
CIE Pub.117 Corrected 3984 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

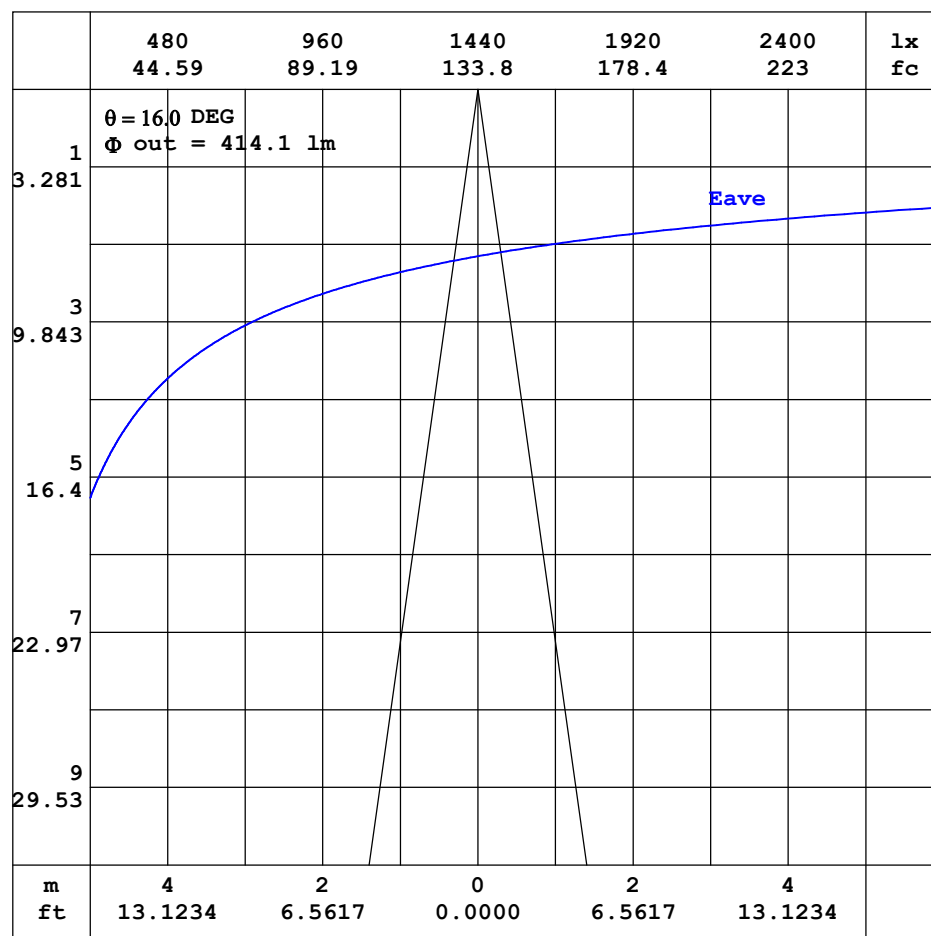


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:



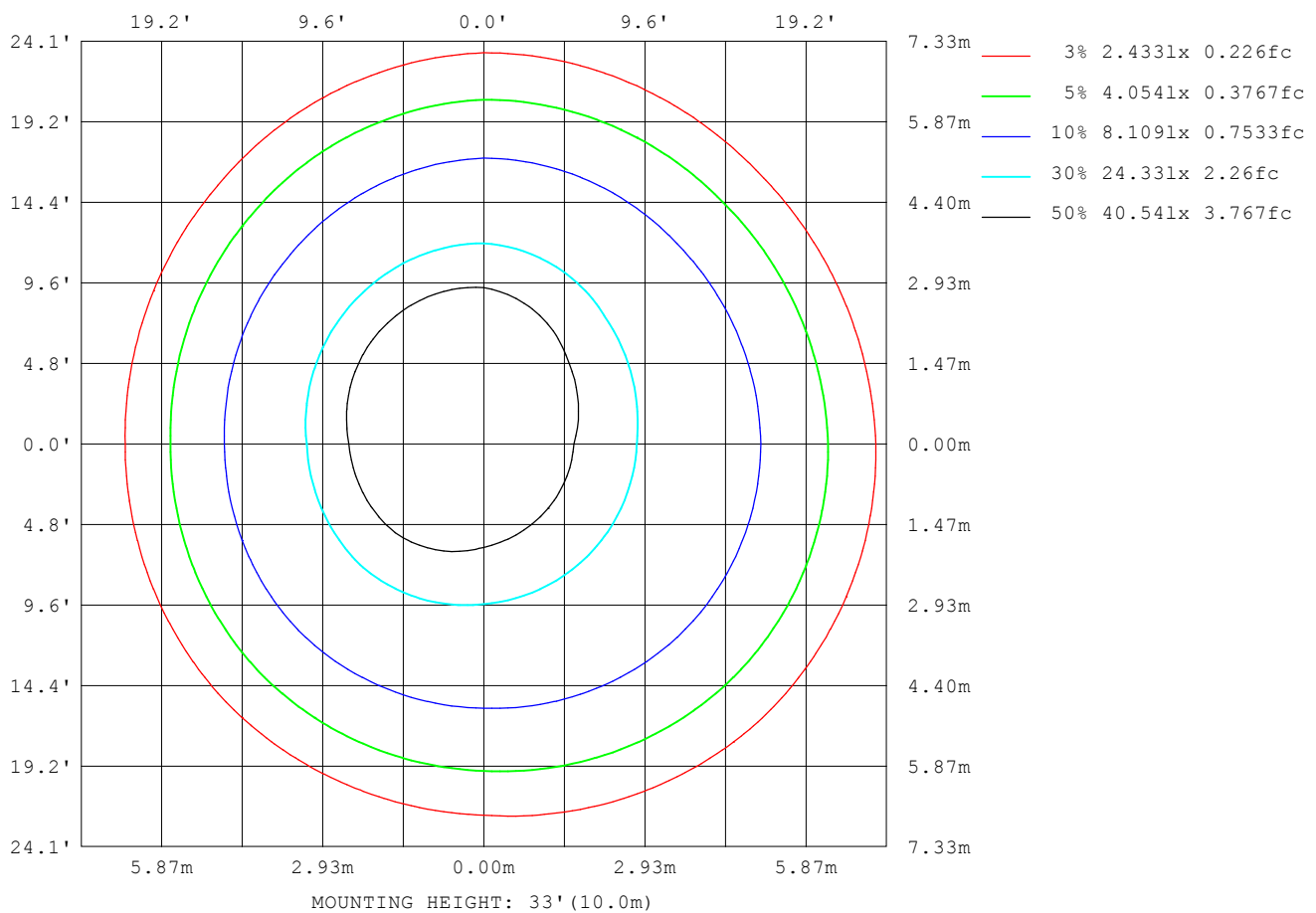
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

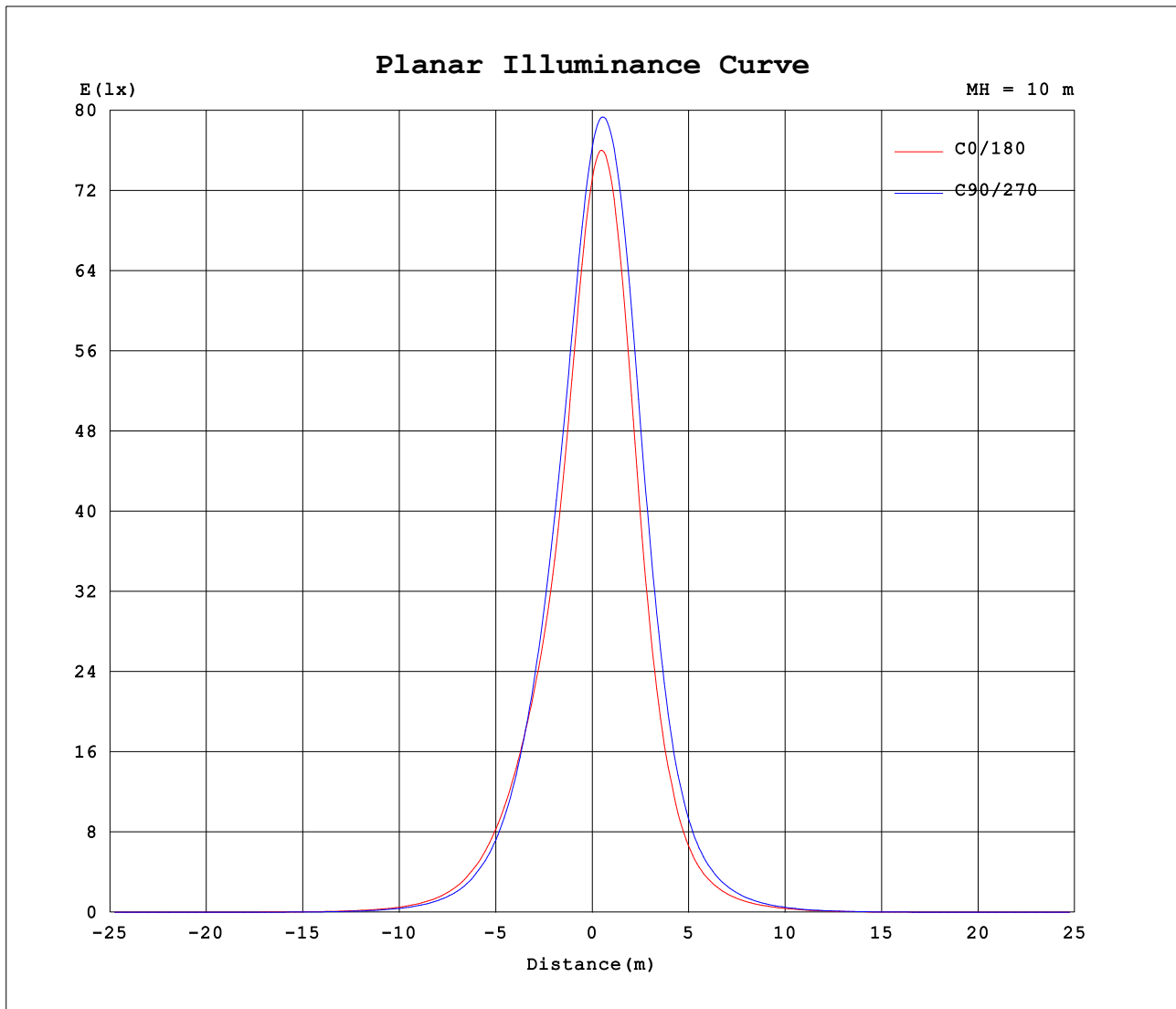
AvgL	cd/m2
L_0~180 (65) av	459
L_0~180 (75) av	12
L_0~180 (85) av	9
L_90~270 (65) av	279
L_90~270 (75) av	12
L_90~270 (85) av	10
L_45 (65) av	465
L_45 (75) av	11
L_45 (85) av	29

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	7315	7350	7384	7415	7444	7471	7496	7519	7540	7558	7573	7587	7598	7607	7615	7621	7626	7629	7631
5	5777	5761	5749	5742	5739	5741	5748	5759	5775	5796	5819	5846	5879	5917	5960	6010	6065	6126	6193
10	4000	3985	3976	3971	3971	3976	3986	4001	4021	4045	4071	4102	4139	4181	4229	4283	4343	4410	4483
15	2823	2812	2804	2798	2796	2796	2799	2804	2813	2824	2837	2852	2870	2892	2917	2945	2977	3013	3052
20	2002	1992	1983	1975	1968	1961	1956	1952	1949	1947	1945	1944	1944	1945	1948	1952	1957	1963	1972
25	1337	1334	1331	1327	1322	1317	1311	1305	1298	1290	1279	1268	1256	1245	1233	1222	1212	1202	1193
30	824	827	828	828	826	824	821	817	811	805	795	783	772	760	747	734	722	710	698
35	478	481	483	485	485	484	482	479	476	471	463	453	444	434	423	413	403	393	383
40	268	270	271	271	271	270	269	267	265	262	257	252	246	240	234	228	222	217	211
45	147	148	150	150	151	151	150	149	148	146	143	139	135	131	127	122	118	115	111
50	76.9	79.0	80.6	81.9	82.8	83.3	83.4	83.1	82.5	81.4	78.7	75.7	72.5	69.3	66.0	62.8	59.8	57.1	54.8
55	38.9	40.6	42.0	43.1	44.0	44.6	44.9	44.9	44.7	44.2	42.5	40.6	38.6	36.5	34.4	32.4	30.5	28.7	27.3
60	21.5	22.0	22.4	22.6	22.8	22.9	22.8	22.7	22.5	22.2	21.4	20.5	19.6	18.7	17.7	16.8	16.0	15.2	14.6
65	13.0	13.1	13.2	13.2	13.2	13.0	12.9	12.6	12.3	12.0	11.2	10.5	9.72	8.95	8.22	7.53	6.93	6.42	6.03
70	2.51	3.33	4.04	4.63	5.11	5.49	5.75	5.90	5.93	5.86	5.33	4.72	4.04	3.34	2.62	1.93	1.27	0.69	0.21
75	0.38	0.34	0.30	0.27	0.24	0.21	0.18	0.16	0.14	0.12	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10
80	0.26	0.23	0.20	0.17	0.15	0.13	0.11	0.09	0.08	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
85	0.10	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
90	0.02	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.13	0.18	0.29	0.40	0.51	0.63	0.74	0.85	0.95	1.04	1.12
95	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.66	2.09	3.63	5.21	6.79	8.34	9.79	11.1	12.2	13.2
100	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	2.15	5.66	9.43	13.3	17.2	21.1	24.7	28.0	30.9	33.2
105	3.01	0.70	0.00	0.00	0.00	0.00	0.00	0.00	2.05	4.75	9.49	14.7	20.4	26.4	32.6	38.9	45.1	51.3	57.2
110	6.31	7.08	8.27	9.88	11.9	14.4	17.2	20.5	24.2	28.3	33.4	38.8	44.6	50.7	57.1	63.6	70.3	77.2	84.1
115	16.5	31.5	45.3	58.0	69.5	80.0	89.3	97.5	105	111	113	114	114	114	114	113	113	113	114
120	59.2	93.4	124	151	175	196	213	226	236	243	238	230	220	208	195	182	169	156	145
125	156	204	246	283	315	341	361	376	386	390	375	356	334	309	282	254	227	201	177
130	342	380	413	441	463	480	491	498	498	494	470	442	411	377	342	307	273	240	210
135	540	557	571	580	586	587	584	578	567	553	522	489	453	416	378	341	306	272	242
140	641	648	652	652	649	643	634	621	606	587	554	519	482	445	407	371	336	303	274
145	685	687	686	682	676	667	656	641	624	604	572	538	502	466	430	395	362	331	303
150	700	699	696	690	682	671	659	644	627	607	577	545	512	479	446	414	384	355	330
155	693	689	682	674	665	653	640	625	609	591	564	537	508	480	452	424	398	374	353
160	658	651	642	633	623	611	599	586	571	556	535	513	491	469	447	426	406	388	371
165	583	577	571	565	557	549	541	532	522	511	497	482	467	453	438	424	410	398	386
170	498	496	494	492	489	485	482	477	472	467	460	452	444	435	427	419	412	404	397
175	435	436	436	436	436	436	435	434	432	431	428	425	422	419	415	412	408	405	402
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:10.000m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	7636	7640	7642	7643	7641	7636	7630	7620	7607	7573	7537	7500	7463	7427	7393	7362	7336	7315	7328
5	6289	6390	6495	6602	6709	6816	6921	7021	7117	7173	7223	7269	7311	7352	7390	7429	7468	7510	7588
10	4583	4688	4798	4911	5027	5142	5257	5370	5480	5556	5628	5698	5767	5835	5903	5972	6044	6119	6238
15	3107	3165	3226	3288	3352	3415	3478	3540	3599	3631	3661	3691	3721	3753	3787	3825	3868	3917	4014
20	1986	2002	2019	2036	2054	2071	2089	2105	2121	2123	2123	2124	2126	2129	2134	2143	2154	2170	2209
25	1190	1188	1187	1186	1186	1186	1186	1185	1185	1176	1168	1159	1152	1145	1140	1136	1135	1137	1149
30	691	684	678	672	666	661	656	652	647	639	631	623	616	610	605	601	598	597	602
35	379	374	371	367	365	363	360	359	357	353	350	346	343	341	339	337	336	336	339
40	209	207	205	204	203	202	201	201	201	199	198	196	195	195	194	194	194	194	196
45	111	110	110	111	111	112	113	114	114	114	113	112	111	110	110	109	109	109	111
50	55.4	56.4	57.7	59.2	60.9	62.6	64.3	65.9	67.3	66.2	65.0	63.7	62.2	60.8	59.5	58.3	57.4	56.8	58.7
55	27.8	28.5	29.5	30.6	31.8	33.0	34.3	35.4	36.4	35.7	35.0	34.1	33.2	32.2	31.4	30.6	30.0	29.6	30.9
60	14.7	15.0	15.4	15.8	16.3	16.8	17.3	17.9	18.4	18.4	18.4	18.4	18.4	18.4	18.3	18.3	18.3	18.3	18.7
65	6.39	6.87	7.44	8.09	8.79	9.52	10.3	11.0	11.6	11.8	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.4
70	0.52	0.94	1.43	1.96	2.51	3.06	3.58	4.05	4.43	4.00	3.49	2.93	2.35	1.78	1.24	0.76	0.37	0.10	0.82
75	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.09	0.08	0.07	0.05	0.04	0.03	0.03	0.02	0.02	0.04
80	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.01
85	0.02	0.05	0.08	0.11	0.13	0.16	0.18	0.20	0.21	0.20	0.17	0.15	0.12	0.09	0.06	0.04	0.02	0.00	0.02
90	1.11	1.10	1.07	1.02	0.97	0.91	0.84	0.76	0.68	0.59	0.51	0.42	0.34	0.26	0.19	0.13	0.08	0.05	0.10
95	12.6	11.8	10.8	9.63	8.37	7.05	5.70	4.36	3.09	2.57	2.15	1.82	1.57	1.39	1.29	1.24	1.26	1.32	1.45
100	31.9	30.2	27.9	25.3	22.4	19.3	16.1	12.9	9.89	8.47	7.26	6.25	5.42	4.78	4.30	4.00	3.84	3.84	4.05
105	62.8	67.9	72.5	76.5	79.7	82.1	83.6	84.0	83.3	75.4	66.7	57.4	47.9	38.5	29.5	21.4	14.4	8.91	14.7
110	93.0	102	110	118	125	132	137	141	144	138	130	122	113	103	94.7	86.5	79.3	73.5	79.8
115	119	126	133	141	148	156	164	172	180	186	192	198	203	207	211	214	216	217	217
120	146	149	153	158	165	174	183	192	203	216	229	242	255	267	278	287	295	300	295
125	173	172	174	178	184	191	201	211	223	236	249	263	276	289	300	310	318	324	318
130	203	200	199	202	206	213	222	232	243	254	265	276	286	297	306	314	321	326	321
135	234	229	228	229	233	239	246	255	265	273	280	288	296	303	309	315	320	323	320
140	265	259	257	258	261	266	273	280	288	293	298	303	307	312	316	319	322	324	322
145	294	289	286	286	288	292	298	304	311	314	316	319	321	324	326	328	330	331	330
150	321	315	312	311	312	315	319	324	330	331	333	334	336	337	339	340	341	342	341
155	344	339	335	334	334	335	338	341	345	346	347	348	349	350	351	352	353	354	353
160	364	359	356	354	353	354	355	357	359	359	359	359	359	359	360	360	361	361	361
165	381	377	374	371	370	369	369	369	370	369	369	368	368	367	367	367	367	367	367
170	394	390	388	385	384	382	381	380	380	378	377	376	376	375	375	374	374	374	374
175	400	398	396	394	392	391	390	389	388	387	386	385	384	384	383	383	383	383	383
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:10.000m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	7348	7371	7399	7429	7461	7494	7527	7558	7573	7587	7598	7607	7615	7621	7626	7629	7631	7636	7640
5	7668	7747	7826	7901	7972	8036	8094	8142	8162	8171	8169	8157	8134	8099	8054	7997	7928	7827	7715
10	6359	6481	6600	6716	6825	6927	7018	7098	7146	7179	7196	7198	7182	7148	7096	7024	6933	6766	6582
15	4115	4220	4327	4433	4536	4636	4729	4815	4879	4932	4973	5001	5016	5015	4999	4965	4914	4788	4645
20	2252	2299	2348	2400	2453	2507	2561	2614	2673	2730	2784	2832	2874	2908	2934	2949	2953	2902	2839
25	1164	1182	1202	1224	1248	1273	1300	1328	1364	1400	1436	1471	1503	1532	1558	1580	1597	1586	1570
30	609	617	627	638	650	664	678	693	712	732	752	772	790	808	824	839	851	851	849
35	342	346	351	357	363	370	377	385	396	407	417	428	439	449	458	466	473	473	472
40	198	201	204	207	211	214	218	222	228	233	238	243	248	253	257	261	264	264	263
45	113	115	117	120	123	125	128	130	133	135	136	138	140	141	143	144	145	145	145
50	60.8	63.2	65.7	68.3	70.9	73.4	75.7	77.7	77.6	77.2	76.6	75.8	74.9	74.0	73.2	72.3	71.7	72.6	73.6
55	32.4	34.0	35.8	37.5	39.2	40.7	42.1	43.3	42.6	41.6	40.5	39.3	38.0	36.7	35.5	34.5	33.6	34.6	35.7
60	19.1	19.6	20.0	20.4	20.8	21.2	21.5	21.7	21.3	20.9	20.4	19.9	19.4	18.9	18.5	18.1	17.8	18.2	18.8
65	12.7	12.9	13.2	13.4	13.6	13.8	13.8	13.9	13.4	12.9	12.3	11.7	11.1	10.6	10.0	9.60	9.25	9.52	9.88
70	1.65	2.56	3.50	4.45	5.37	6.21	6.95	7.56	7.02	6.35	5.58	4.74	3.87	3.01	2.19	1.45	0.84	1.26	1.82
75	0.06	0.08	0.11	0.14	0.16	0.19	0.22	0.24	0.25	0.26	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29
80	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20
85	0.05	0.07	0.11	0.14	0.17	0.20	0.23	0.25	0.25	0.24	0.22	0.21	0.19	0.17	0.15	0.13	0.11	0.11	0.12
90	0.17	0.25	0.33	0.42	0.50	0.58	0.65	0.70	0.66	0.60	0.53	0.46	0.38	0.30	0.22	0.14	0.07	0.08	0.09
95	1.62	1.81	2.02	2.24	2.47	2.68	2.88	3.05	3.04	3.00	2.94	2.85	2.74	2.61	2.46	2.30	2.14	1.97	1.81
100	4.38	4.82	5.37	6.01	6.72	7.50	8.33	9.20	10.4	11.5	12.6	13.6	14.6	15.4	16.0	16.4	16.6	15.4	14.0
105	21.9	30.2	39.3	48.7	58.2	67.3	75.6	82.8	81.3	78.6	74.7	69.9	64.4	58.2	51.7	45.0	38.2	33.6	29.1
110	87.4	96.0	105	114	123	132	139	145	139	133	124	115	105	94.8	84.2	73.6	63.4	58.4	54.1
115	215	212	209	205	200	194	188	181	170	159	148	137	126	116	106	97.8	90.9	93.8	98.0
120	288	279	268	256	243	230	216	202	188	175	163	151	141	133	127	123	121	137	155
125	310	300	289	276	263	249	235	220	206	192	180	169	160	154	150	150	153	180	210
130	314	306	297	286	275	263	252	240	226	214	202	192	185	180	178	180	185	216	251
135	315	309	302	295	287	279	270	262	250	239	229	220	214	210	209	212	219	249	283
140	319	316	312	307	302	297	291	286	276	266	257	250	244	241	241	244	251	280	312
145	328	326	324	321	318	315	312	309	300	292	284	278	273	271	272	275	282	309	339
150	340	339	337	336	334	332	330	327	320	314	308	303	300	298	299	303	310	333	360
155	352	351	350	349	347	346	345	343	338	333	329	326	324	324	325	329	335	354	375
160	360	360	359	358	358	357	357	356	353	351	349	347	347	347	349	353	358	371	386
165	367	367	367	367	367	367	368	368	367	366	366	366	366	368	370	373	377	385	394
170	374	374	375	375	376	376	377	378	378	379	380	381	382	383	385	387	390	395	399
175	383	384	385	385	386	387	388	389	390	391	392	393	394	395	396	397	398	400	401
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:10.000m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	7642	7643	7641	7636	7630	7620	7607	7588	7565	7540	7510	7478	7442	7403	7361				
5	7594	7466	7333	7196	7056	6915	6774	6656	6539	6425	6312	6201	6092	5985	5880				
10	6384	6175	5958	5738	5517	5299	5086	4928	4779	4640	4510	4389	4277	4175	4083				
15	4491	4327	4156	3983	3809	3639	3476	3365	3263	3171	3089	3016	2953	2900	2857				
20	2768	2691	2608	2523	2437	2353	2271	2221	2176	2136	2101	2071	2046	2026	2012				
25	1550	1527	1501	1474	1446	1418	1391	1378	1366	1356	1348	1342	1338	1336	1335				
30	845	840	833	826	819	811	805	804	803	804	805	807	810	814	819				
35	469	466	463	459	456	452	449	450	451	453	455	459	463	467	472				
40	262	260	259	257	255	253	252	252	253	254	256	257	260	262	265				
45	145	145	144	144	144	143	143	143	143	143	144	144	145	145	146				
50	74.7	76.0	77.2	78.4	79.6	80.7	81.6	81.8	81.9	81.7	81.4	80.8	80.1	79.3	78.2				
55	37.0	38.4	39.9	41.3	42.7	44.0	45.1	45.3	45.3	45.0	44.5	43.8	42.9	41.8	40.5				
60	19.3	20.0	20.6	21.3	21.9	22.5	23.1	23.2	23.3	23.3	23.2	23.0	22.8	22.4	22.0				
65	10.3	10.8	11.3	11.9	12.4	12.9	13.4	13.6	13.7	13.8	13.8	13.8	13.7	13.5	13.3				
70	2.46	3.17	3.90	4.64	5.35	6.00	6.56	6.60	6.51	6.30	5.97	5.52	4.95	4.26	3.45				
75	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.30	0.31	0.32	0.34	0.35	0.37				
80	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25				
85	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.12	0.11				
90	0.10	0.13	0.15	0.18	0.21	0.23	0.25	0.25	0.24	0.22	0.20	0.18	0.15	0.11	0.07				
95	1.64	1.47	1.30	1.14	0.97	0.82	0.67	0.56	0.46	0.37	0.29	0.22	0.16	0.11	0.07				
100	12.5	10.8	9.01	7.22	5.44	3.73	2.14	1.35	0.73	0.27	0.00	0.00	0.00	0.06	0.41				
105	24.9	20.8	17.0	13.5	10.3	7.43	4.91	3.15	1.78	0.79	0.19	0.00	0.15	0.72	1.67				
110	50.3	46.8	43.8	41.1	38.5	36.2	33.9	30.8	27.6	24.5	21.4	18.4	15.3	12.3	9.28				
115	103	108	114	119	123	127	129	124	117	108	97.3	84.9	70.5	54.4	36.4				
120	175	195	214	232	248	262	271	266	256	241	222	198	170	138	101				
125	242	275	307	337	365	388	406	403	394	379	357	329	295	255	208				
130	287	325	362	399	433	464	490	496	496	491	480	464	442	414	381				
135	319	357	395	434	471	506	538	554	566	574	578	578	575	567	556				
140	346	383	420	458	496	532	565	586	603	617	629	637	643	645	645				
145	371	406	441	477	513	548	581	602	621	637	651	663	672	679	683				
150	388	419	451	483	515	547	577	598	617	634	650	663	675	685	694				
155	398	423	449	475	502	528	554	573	592	609	626	641	656	669	682				
160	402	419	438	457	477	496	516	533	549	565	581	597	613	628	643				
165	404	415	427	439	452	465	478	489	501	512	524	535	547	559	571				
170	405	410	416	422	429	435	442	448	454	460	466	472	479	485	491				
175	403	405	407	408	410	412	414	416	418	421	423	425	428	430	432				
180	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393				

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:10.000m [K=1.0000]

Remarks: