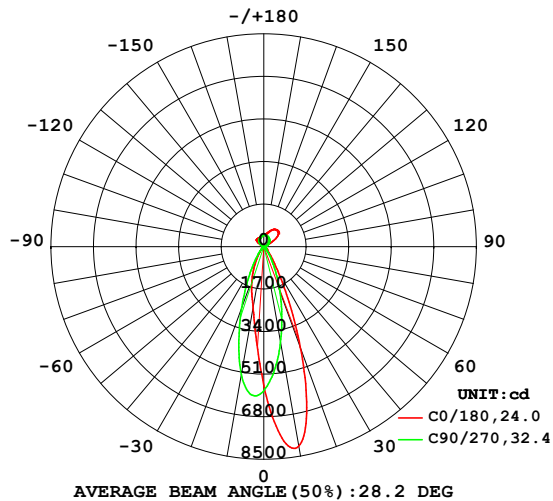


LUMINAIRE PHOTOMETRIC TEST REPORT

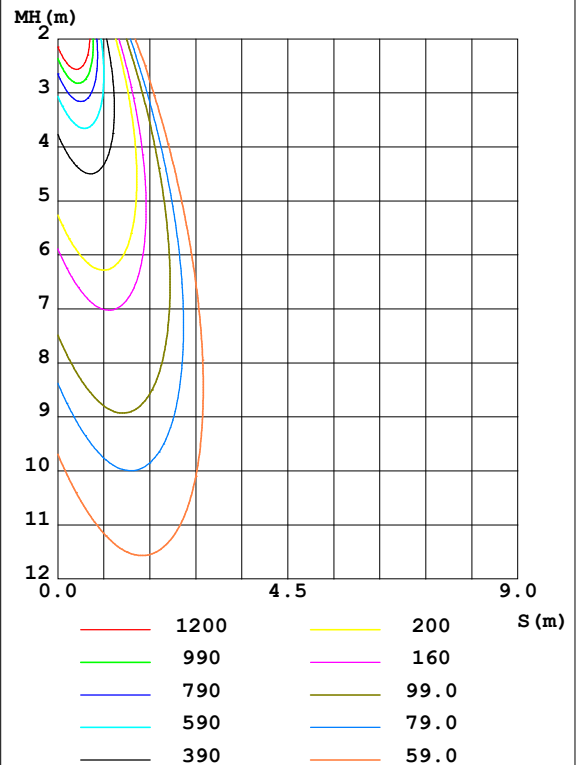
NAME: GEN10	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.16 lm/W			
MODEL		I _{max} (cd)	8473	S/MH (C0/180)	0.70
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH (C90/270)	0.61
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4291.9	η UP,DN (C0-180)	19.8,29.5
NOMINAL FLUX(lm)	4291.91	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	18.4,32.3
LAMPS INSIDE	1	η up (%)	38.2	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120.0	η down (%)	61.8	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:

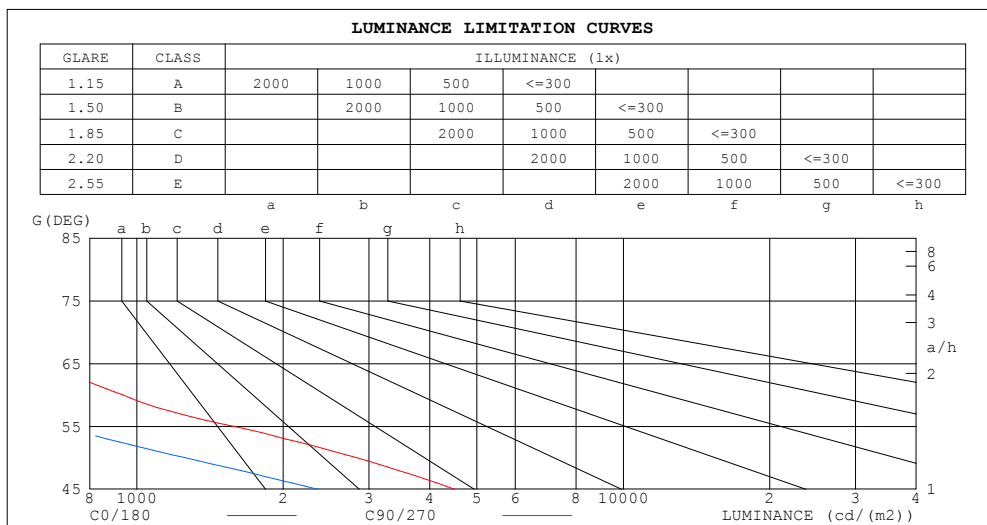
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8092	5687	3875	3188	2489	2816	5180	7848	0- 10	511.0	511.0	11.9,11.9
20	4287	2864	1884	1699	1377	1540	2594	3613	10- 20	1013	1524	35.5,35.5
30	1136	909.4	685.7	747.0	585.9	641.3	888.6	916.6	20- 30	674.7	2199	51.2,51.2
40	341.0	278.5	206.1	243.9	182.2	203.8	262.6	289.0	30- 40	290.7	2490	58,58
50	117.8	91.01	52.29	73.70	48.55	65.71	70.80	101.2	40- 50	112.6	2602	60.6,60.6
60	30.30	25.81	13.94	19.55	14.68	18.69	19.74	27.22	50- 60	38.84	2641	61.5,61.5
70	10.59	9.515	0.1997	3.189	0.2714	2.912	1.216	9.233	60- 70	11.64	2653	61.8,61.8
80	0.0654	0.1092	0.0413	0.1161	0.0582	0.4387	0.2299	0.2228	70- 80	1.017	2654	61.8,61.8
90	0.6678	1.286	0.4576	0.0875	0.0170	0.1429	0.1065	0.9775	80- 90	0.2732	2654	61.8,61.8
100	6.951	16.27	36.93	2.144	0.1469	1.613	19.78	9.312	90-100	4.687	2659	61.9,61.9
110	61.33	258.2	96.30	48.59	5.046	36.58	75.05	227.6	100-110	51.31	2710	63.1,63.1
120	373.4	545.6	166.8	230.5	110.8	212.3	141.5	524.4	110-120	199.7	2910	67.8,67.8
130	765.1	633.9	245.0	299.9	384.1	284.0	217.3	616.2	120-130	334.5	3244	75.6,75.6
140	844.7	637.4	320.2	338.7	414.5	324.8	295.5	615.5	130-140	351.9	3596	83.8,83.8
150	799.3	587.3	382.7	385.8	408.1	370.8	362.0	561.8	140-150	298.3	3895	90.7,90.7
160	645.7	528.6	431.6	430.1	427.1	415.6	411.9	505.1	150-160	219.9	4114	95.9,95.9
170	516.3	491.1	459.7	453.8	449.7	447.1	448.0	476.3	160-170	132.9	4247	99,99
180	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	170-180	44.57	4292	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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9	1
80	6	4
75	13	6
70	478	9
65	687	187
60	935	430
55	1579	701
50	2828	1255
45	4501	2356

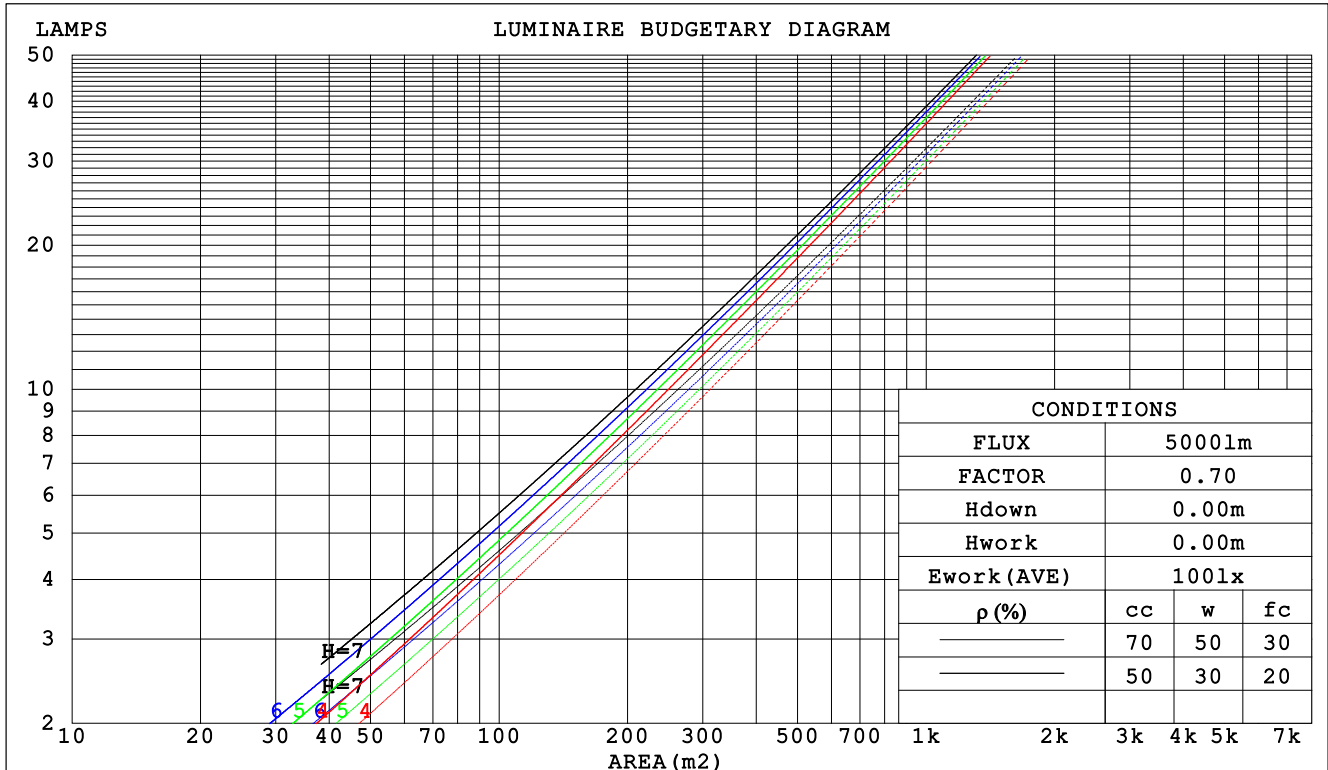
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:5000K	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	1.10	1.10	1.10	1.03	1.03	1.03	.90	.90	.90	.78	.78	.78	.67	.67	.67	.62
1.0	1.01	.98	.95	.95	.92	.90	.84	.82	.81	.74	.72	.71	.64	.64	.63	.59
2.0	.92	.88	.84	.87	.84	.80	.78	.75	.73	.69	.67	.66	.61	.60	.59	.55
3.0	.85	.80	.76	.81	.76	.73	.73	.70	.67	.65	.63	.61	.59	.57	.56	.52
4.0	.79	.73	.69	.75	.70	.66	.68	.65	.62	.62	.59	.57	.56	.54	.52	.50
5.0	.74	.68	.63	.70	.65	.61	.64	.60	.57	.59	.56	.53	.53	.51	.50	.47
6.0	.69	.63	.58	.66	.61	.57	.61	.57	.53	.56	.53	.50	.51	.49	.47	.45
7.0	.65	.59	.54	.62	.57	.53	.57	.53	.50	.53	.50	.47	.49	.46	.45	.43
8.0	.61	.55	.51	.59	.53	.50	.54	.50	.47	.51	.47	.45	.47	.44	.42	.41
9.0	.58	.52	.48	.56	.50	.47	.52	.48	.45	.48	.45	.43	.45	.42	.41	.39
10.0	.55	.49	.45	.53	.48	.44	.49	.45	.42	.46	.43	.41	.43	.41	.39	.37



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:5000K	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	.198	.113	.036	.180	.102	.033	.145	.083	.027	.114	.066	.021	.085	.049	.016		
2.0	.185	.101	.031	.168	.093	.029	.138	.077	.024	.109	.061	.019	.083	.047	.015		
3.0	.173	.092	.028	.158	.085	.025	.130	.071	.021	.104	.057	.018	.081	.045	.014		
4.0	.162	.084	.025	.149	.078	.023	.123	.065	.020	.100	.054	.016	.078	.042	.013		
5.0	.152	.078	.022	.140	.072	.021	.117	.061	.018	.095	.050	.015	.075	.040	.012		
6.0	.144	.072	.021	.132	.067	.019	.111	.057	.017	.091	.047	.014	.072	.038	.011		
7.0	.136	.067	.019	.125	.062	.018	.106	.053	.015	.087	.045	.013	.070	.036	.011		
8.0	.128	.063	.018	.119	.059	.017	.101	.050	.014	.083	.042	.012	.067	.035	.010		
9.0	.122	.059	.016	.113	.055	.015	.096	.047	.013	.080	.040	.011	.065	.033	.010		
10.0	.116	.056	.015	.108	.052	.015	.092	.045	.013	.077	.038	.011	.063	.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	.481	.481	.481	.411	.411	.411	.281	.281	.281	.161	.161	.161	.052	.052	.052	
1.0	.466	.450	.436	.398	.386	.376	.273	.266	.260	.157	.154	.151	.050	.050	.049	
2.0	.453	.428	.406	.388	.368	.351	.266	.255	.245	.153	.148	.144	.049	.048	.047	
3.0	.442	.410	.385	.379	.354	.334	.260	.246	.234	.150	.144	.138	.048	.047	.045	
4.0	.433	.397	.369	.372	.343	.321	.256	.239	.226	.148	.140	.134	.048	.046	.044	
5.0	.425	.387	.358	.365	.334	.311	.252	.234	.220	.146	.137	.130	.047	.045	.043	
6.0	.418	.378	.349	.360	.327	.304	.248	.229	.215	.144	.135	.128	.046	.044	.042	
7.0	.412	.371	.343	.355	.322	.298	.245	.226	.212	.142	.133	.126	.046	.044	.042	
8.0	.407	.366	.337	.350	.317	.294	.242	.223	.209	.141	.131	.124	.046	.043	.041	
9.0	.402	.361	.333	.346	.313	.291	.240	.220	.206	.140	.130	.123	.045	.043	.041	
10.0	.397	.357	.330	.342	.310	.288	.237	.218	.204	.138	.129	.122	.045	.042	.040	

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:5000K			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	9.3	10.0	10.0	10.7	11.5	7.0	7.8	7.7	8.4	9.2
3H	9.1	9.8	9.9	10.5	11.3	6.8	7.4	7.5	8.1	9.0
4H	9.0	9.6	9.7	10.3	11.2	6.6	7.2	7.4	8.0	8.8
6H	8.8	9.4	9.6	10.1	11.0	6.5	7.0	7.2	7.8	8.7
8H	8.7	9.3	9.5	10.0	11.0	6.4	6.9	7.2	7.7	8.6
12H	8.6	9.2	9.5	9.9	10.9	6.3	6.8	7.1	7.6	8.5
4H 2H	8.9	9.5	9.7	10.3	11.2	6.7	7.3	7.5	8.1	9.0
3H	8.7	9.2	9.5	10.0	11.0	6.4	7.0	7.3	7.7	8.7
4H	8.6	9.0	9.4	9.8	10.8	6.3	6.7	7.1	7.5	8.5
6H	8.4	8.8	9.3	9.6	10.7	6.1	6.5	7.0	7.3	8.4
8H	8.3	8.7	9.2	9.5	10.6	6.0	6.4	6.9	7.2	8.3
12H	8.2	8.5	9.1	9.4	10.5	5.9	6.3	6.8	7.1	8.2
8H 4H	8.3	8.7	9.2	9.5	10.6	6.0	6.4	6.9	7.3	8.3
6H	8.1	8.4	9.0	9.3	10.4	5.8	6.1	6.8	7.0	8.1
8H	8.0	8.3	9.0	9.2	10.3	5.8	6.0	6.7	6.9	8.1
12H	7.9	8.2	8.9	9.1	10.2	5.7	5.9	6.6	6.8	8.0
12H 4H	8.2	8.6	9.1	9.4	10.5	5.9	6.3	6.8	7.1	8.2
6H	8.0	8.3	9.0	9.2	10.3	5.8	6.0	6.7	6.9	8.1
8H	7.9	8.2	8.9	9.1	10.2	5.7	5.9	6.6	6.8	8.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 5.6					+ 2.4 / - 7.5				
1.5H	+ 4.0 / - 4.4					+ 3.4 / - 5.2				
2.0H	+ 5.2 / - 5.9					+ 4.2 / - 5.4				

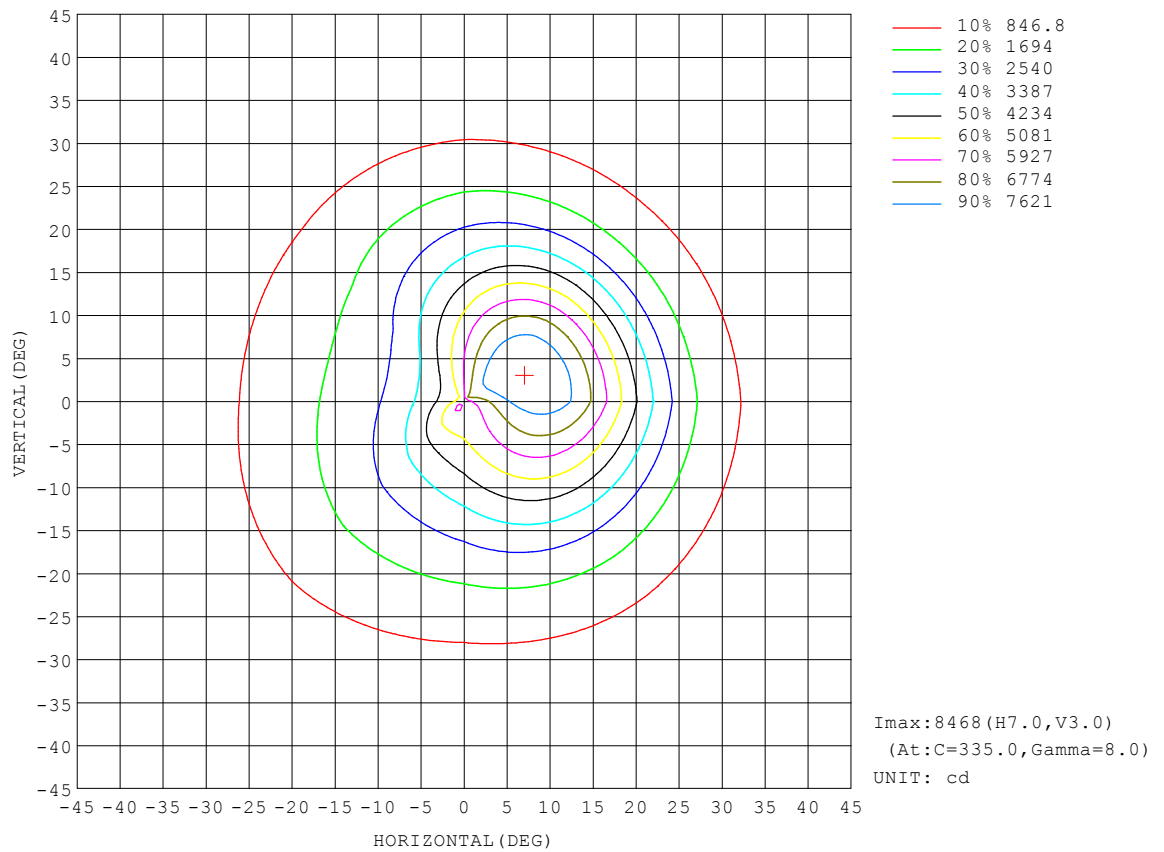
CIE Pub.117 Corrected 4292 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.1)

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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

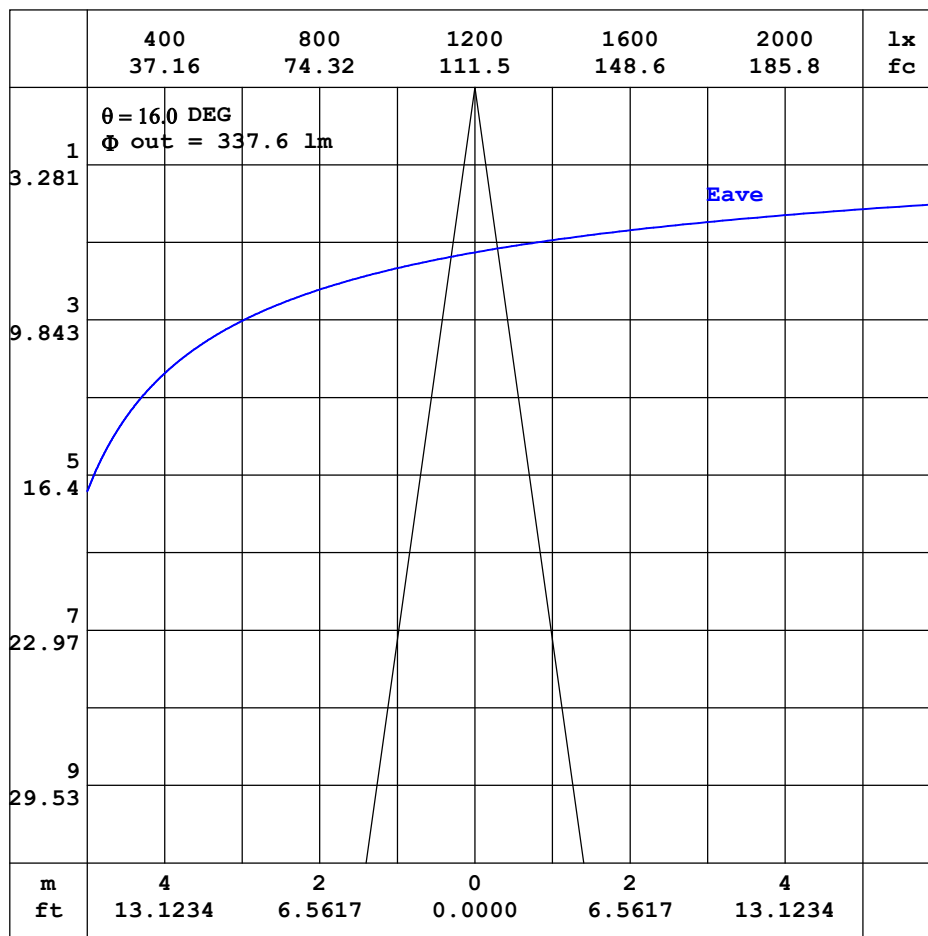


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:



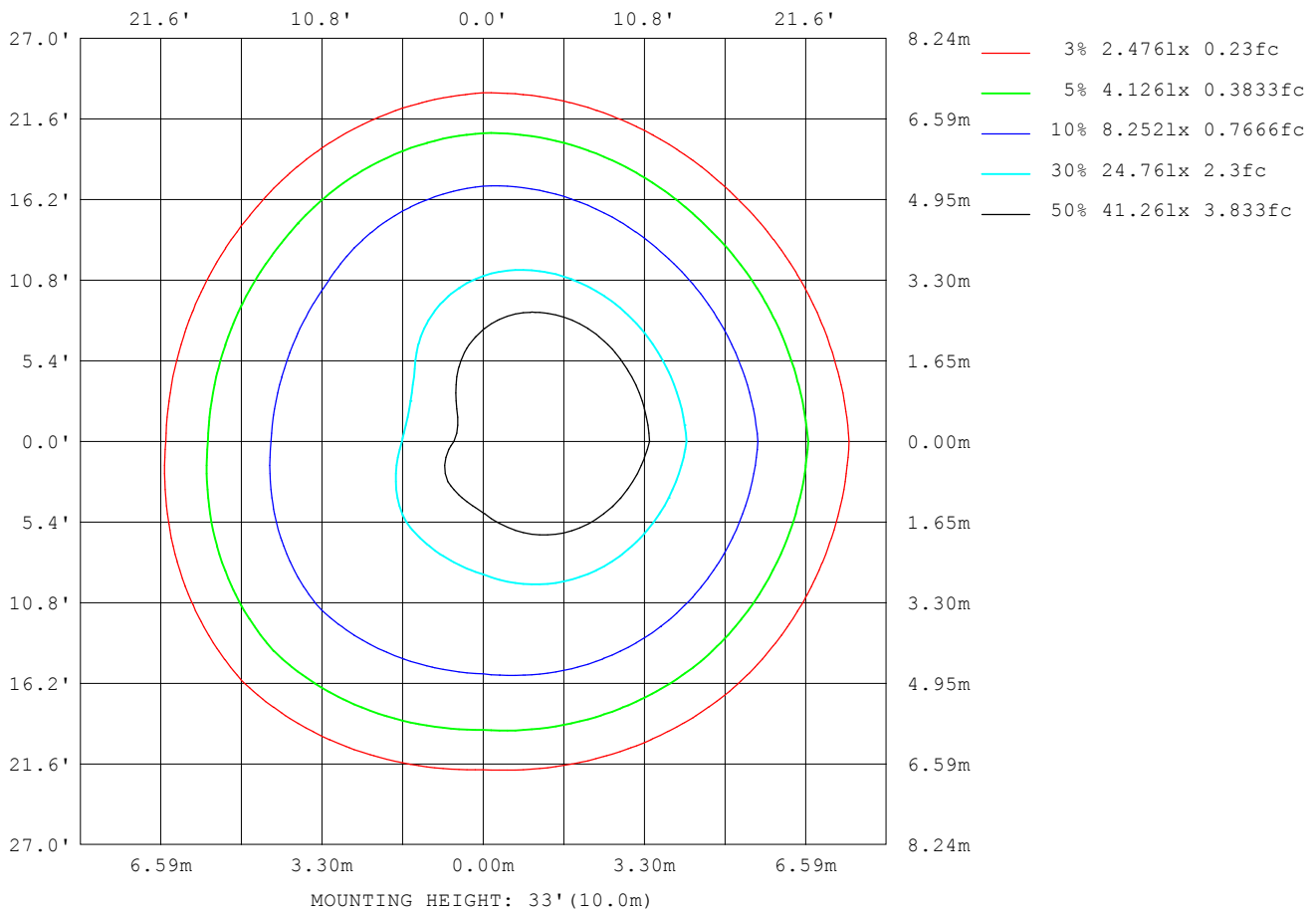
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:5000K	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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.054	Shielding Angle:

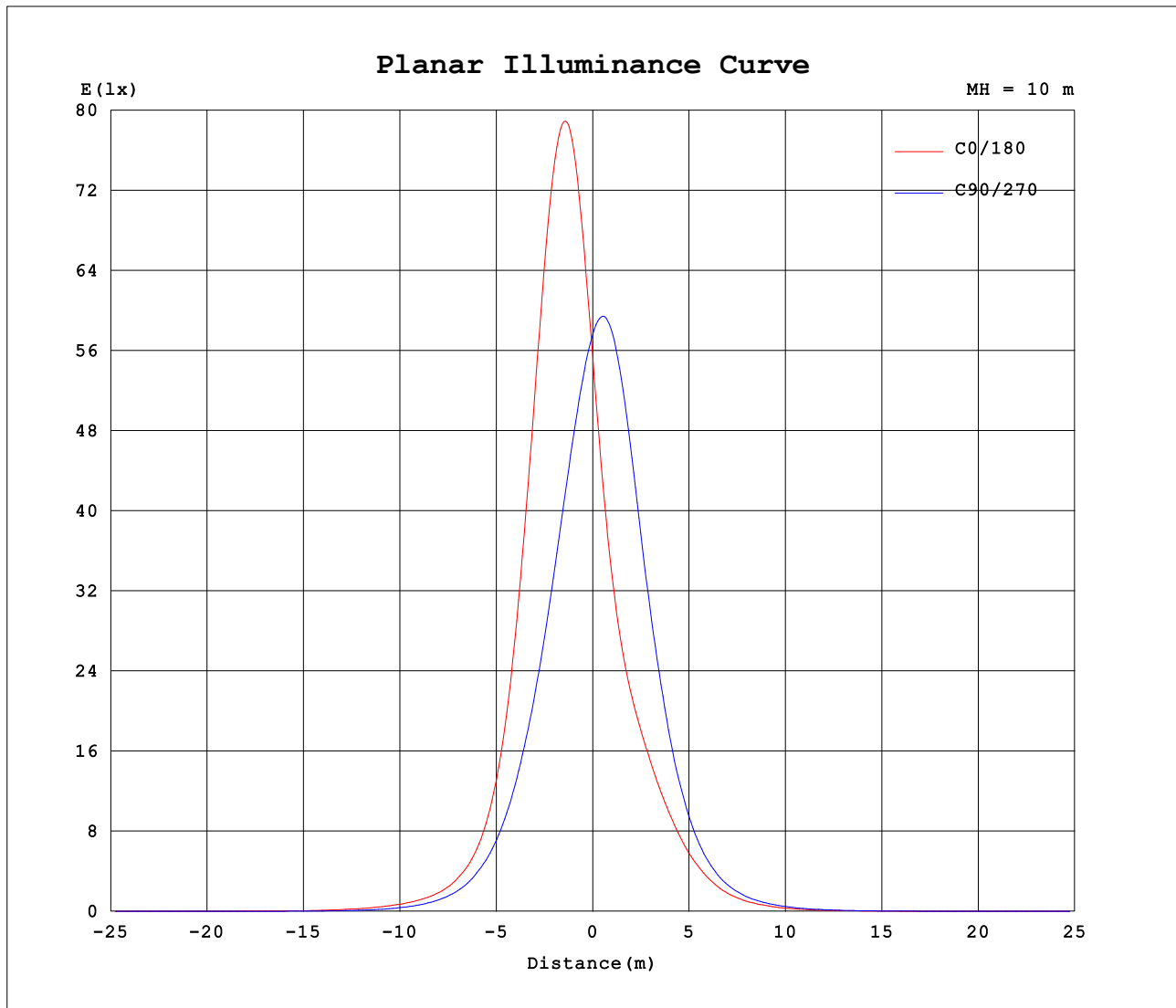
AvgL	cd/m2
L_0~180 (65) av	422
L_0~180 (75) av	11
L_0~180 (85) av	7
L_90~270 (65) av	288
L_90~270 (75) av	13
L_90~270 (85) av	13
L_45 (65) av	470
L_45 (75) av	20
L_45 (85) av	69

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:5000K	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	5544	5476	5418	5369	5329	5299	5278	5266	5264	5271	5296	5330	5372	5422	5478	5540	5608	5681	5759
5	7539	7359	7183	7011	6844	6680	6522	6367	6217	6071	5923	5779	5641	5509	5383	5264	5153	5050	4955
10	8092	7796	7506	7225	6950	6683	6423	6170	5925	5687	5447	5214	4991	4777	4573	4380	4199	4030	3875
15	6661	6373	6094	5823	5561	5308	5063	4827	4600	4381	4163	3955	3756	3567	3389	3223	3069	2927	2799
20	4287	4107	3932	3763	3600	3442	3289	3142	3000	2864	2727	2596	2471	2353	2242	2140	2046	1960	1884
25	2274	2200	2128	2057	1987	1920	1853	1788	1725	1663	1595	1529	1466	1406	1350	1298	1250	1207	1170
30	1136	1111	1086	1060	1035	1010	985	960	934	909	879	849	821	793	767	743	721	702	686
35	607	596	584	573	561	549	537	525	512	500	483	467	451	436	421	408	396	386	378
40	341	334	328	321	314	307	300	293	286	278	269	259	250	240	232	224	217	211	206
45	206	201	196	191	186	181	175	170	165	159	152	145	139	132	126	121	116	111	108
50	118	115	113	110	107	104	101	98.0	94.6	91.0	86.0	80.9	75.9	71.0	66.4	62.1	58.2	54.9	52.3
55	58.7	58.8	58.6	58.3	57.7	56.9	55.8	54.6	53.1	51.4	48.5	45.4	42.2	39.0	36.0	33.0	30.4	28.0	26.0
60	30.3	30.2	29.9	29.6	29.2	28.7	28.1	27.4	26.7	25.8	24.4	22.9	21.4	20.0	18.5	17.2	15.9	14.8	13.9
65	18.8	18.6	18.3	17.9	17.5	17.0	16.5	15.9	15.2	14.5	13.4	12.2	11.0	9.79	8.66	7.60	6.64	5.81	5.13
70	10.6	10.9	11.1	11.1	11.1	11.0	10.8	10.5	10.0	9.51	8.51	7.43	6.31	5.17	4.04	2.95	1.93	1.00	0.20
75	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19	0.18	0.17	0.16	0.14	0.13	0.12	0.11	0.11	0.10
80	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.05	0.04
85	0.05	0.19	0.32	0.42	0.51	0.58	0.64	0.68	0.70	0.71	0.66	0.59	0.52	0.44	0.35	0.26	0.17	0.08	0.00
90	0.67	0.81	0.93	1.03	1.12	1.19	1.24	1.27	1.29	1.29	1.23	1.16	1.08	0.98	0.88	0.78	0.67	0.56	0.46
95	3.39	2.98	2.69	2.51	2.45	2.50	2.68	2.97	3.38	3.90	5.14	6.46	7.80	9.12	10.4	11.5	12.5	13.3	13.9
100	6.95	7.43	8.04	8.80	9.69	10.7	11.9	13.2	14.7	16.3	19.2	22.2	25.2	28.0	30.6	32.9	34.8	36.1	36.9
105	16.6	33.1	48.1	61.4	73.0	83.1	91.5	98.3	103	107	107	105	102	97.8	92.7	86.6	79.9	72.7	65.1
110	61.3	101	136	167	193	215	232	245	254	258	249	237	221	202	182	161	139	117	96.3
115	170	225	275	317	352	381	402	417	425	427	405	378	346	311	274	236	199	163	130
120	373	420	459	492	518	537	549	555	554	546	513	474	432	386	340	293	248	205	167
125	615	633	647	656	660	659	653	642	627	607	566	521	474	425	377	329	284	242	205
130	765	763	758	750	739	724	706	685	661	634	591	545	498	451	405	360	318	279	245
135	826	815	801	785	767	747	724	700	673	644	602	559	515	472	429	389	350	315	284
140	845	827	808	788	766	743	719	693	666	637	599	561	522	484	446	411	377	347	320
145	836	814	791	767	743	719	694	668	642	616	583	550	517	485	455	426	399	375	353
150	799	775	752	728	704	681	657	634	611	587	561	534	508	484	460	438	417	399	383
155	730	710	689	670	650	631	612	593	575	557	537	517	499	481	464	448	433	420	409
160	646	632	618	604	591	578	565	553	541	529	515	503	490	478	467	457	448	439	432
165	572	564	557	549	542	534	527	520	513	506	498	491	483	476	470	463	457	452	448
170	516	514	511	509	506	503	500	497	494	491	487	484	480	476	472	469	466	463	460
175	487	486	485	485	484	483	482	481	480	479	478	476	475	473	471	470	468	467	466
180	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460

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:5000K	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	5869	5980	6089	6193	6289	6375	6448	6504	6541	6472	6385	6283	6169	6046	5919	5791	5665	5544	5477
5	4900	4852	4810	4771	4735	4698	4660	4619	4572	4460	4345	4227	4110	3995	3887	3786	3697	3620	3586
10	3764	3665	3577	3498	3427	3362	3302	3244	3188	3092	2997	2905	2817	2735	2659	2592	2535	2489	2456
15	2712	2637	2573	2518	2471	2430	2394	2361	2330	2267	2205	2146	2089	2036	1987	1945	1909	1880	1855
20	1841	1807	1780	1759	1743	1730	1719	1709	1699	1659	1617	1576	1536	1497	1461	1429	1400	1377	1364
25	1159	1153	1152	1153	1157	1162	1167	1171	1173	1148	1121	1093	1064	1035	1008	982	958	938	931
30	688	693	700	708	717	726	735	742	747	732	715	696	677	657	637	618	601	586	582
35	382	388	395	403	411	419	427	433	438	429	418	406	393	379	366	353	342	331	329
40	209	212	217	222	227	232	237	241	244	239	232	225	218	210	203	195	188	182	181
45	110	112	115	118	122	125	128	131	134	130	126	122	117	112	107	103	98.5	94.9	95.2
50	53.6	55.6	58.0	60.7	63.6	66.5	69.2	71.7	73.7	71.6	69.0	66.1	63.0	59.8	56.6	53.6	50.9	48.5	49.4
55	26.7	27.8	29.2	30.8	32.5	34.2	35.9	37.5	38.8	37.8	36.5	35.0	33.5	31.8	30.2	28.7	27.3	26.1	26.7
60	14.2	14.7	15.2	15.9	16.7	17.5	18.2	18.9	19.5	19.2	18.7	18.1	17.5	16.9	16.3	15.7	15.1	14.7	14.9
65	5.48	5.97	6.57	7.25	7.96	8.67	9.36	9.97	10.5	9.92	9.26	8.52	7.74	6.95	6.18	5.46	4.83	4.32	4.72
70	0.26	0.44	0.73	1.09	1.51	1.95	2.39	2.82	3.19	2.95	2.65	2.31	1.94	1.56	1.19	0.84	0.53	0.27	0.47
75	0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.19	0.18	0.17	0.15	0.14	0.14	0.13	0.14	0.15	0.20
80	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.11	0.09	0.08	0.07	0.06	0.06	0.05	0.05	0.06	0.10
85	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.06	0.06	0.05	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.04
90	0.40	0.34	0.29	0.25	0.21	0.17	0.14	0.11	0.09	0.07	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.02	0.03
95	12.9	11.7	10.3	8.77	7.14	5.47	3.81	2.20	0.70	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05
100	34.2	30.9	27.1	23.1	18.8	14.5	10.1	6.00	2.14	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
105	57.9	50.7	43.5	36.3	29.3	22.7	16.4	10.6	5.36	3.13	1.53	0.49	0.02	0.01	0.02	0.52	1.23	2.09	1.51
110	87.4	79.7	73.1	67.5	62.7	58.6	55.0	51.7	48.6	42.3	36.1	30.1	24.5	19.3	14.7	10.7	7.47	5.05	6.09
115	125	124	126	129	134	140	145	150	153	138	121	104	86.2	68.8	52.3	37.3	24.4	14.1	22.2
120	164	165	170	178	188	199	210	221	231	219	206	191	176	161	146	133	121	111	118
125	199	199	202	210	220	232	246	260	275	278	281	283	285	286	286	286	285	284	283
130	237	233	234	239	247	258	271	285	300	312	324	335	346	357	366	374	380	384	378
135	275	270	269	271	277	285	295	306	319	332	345	357	370	382	392	401	409	414	407
140	311	305	303	303	307	312	320	329	339	348	358	369	379	388	397	404	410	414	409
145	345	340	337	337	339	343	348	355	362	368	374	380	386	392	397	402	406	408	404
150	376	372	370	370	371	373	377	381	386	389	392	395	398	401	403	406	407	408	405
155	404	401	400	400	400	402	404	407	410	411	412	413	413	414	415	415	415	415	413
160	428	426	425	425	425	426	427	429	430	430	430	430	429	429	429	428	428	427	426
165	445	444	443	442	442	443	443	443	444	444	443	443	443	442	442	441	441	440	439
170	458	457	456	455	455	454	454	454	454	453	453	452	452	451	451	450	450	450	449
175	465	464	463	462	461	461	460	460	459	459	459	458	458	458	458	458	458	458	458
180	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460

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:5000K	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	5420	5371	5331	5301	5279	5267	5265	5271	5296	5330	5372	5422	5478	5540	5608	5681	5759	5869	5980
5	3567	3566	3582	3616	3668	3739	3830	3941	4107	4292	4493	4709	4937	5175	5421	5673	5929	6210	6488
10	2438	2434	2448	2479	2531	2603	2698	2816	3010	3226	3463	3718	3989	4272	4567	4870	5180	5511	5842
15	1841	1836	1844	1865	1900	1950	2017	2101	2242	2399	2572	2760	2960	3171	3392	3621	3857	4111	4367
20	1357	1358	1366	1382	1407	1441	1485	1540	1630	1729	1838	1953	2074	2200	2330	2461	2594	2714	2834
25	928	930	936	946	962	983	1008	1039	1091	1147	1207	1269	1333	1397	1460	1522	1581	1614	1644
30	580	582	585	592	600	612	625	641	667	694	723	752	781	810	838	864	889	895	899
35	329	330	333	337	342	349	357	366	379	392	406	419	433	447	460	473	484	487	489
40	181	182	184	187	190	194	199	204	210	216	223	229	236	243	250	256	263	266	269
45	96.1	97.6	99.6	102	105	108	111	115	118	121	123	126	130	133	136	139	142	145	148
50	50.6	52.3	54.2	56.3	58.6	61.0	63.4	65.7	66.2	66.6	66.9	67.2	67.6	68.1	68.8	69.7	70.8	73.6	76.7
55	27.5	28.5	29.6	30.9	32.1	33.4	34.7	35.9	35.9	35.7	35.6	35.4	35.3	35.2	35.3	35.5	36.0	37.9	39.9
60	15.2	15.6	16.1	16.6	17.1	17.6	18.2	18.7	18.8	18.8	18.9	19.0	19.0	19.1	19.3	19.5	19.7	20.5	21.2
65	5.25	5.88	6.59	7.35	8.13	8.92	9.69	10.4	10.5	10.6	10.6	10.6	10.5	10.5	10.5	10.6	10.6	11.1	11.7
70	0.73	1.02	1.35	1.69	2.03	2.35	2.65	2.91	2.68	2.42	2.13	1.86	1.61	1.40	1.25	1.18	1.22	1.93	2.73
75	0.26	0.32	0.39	0.45	0.51	0.57	0.62	0.66	0.65	0.62	0.59	0.55	0.51	0.47	0.42	0.38	0.34	0.33	0.32
80	0.14	0.19	0.24	0.28	0.33	0.37	0.41	0.44	0.43	0.42	0.40	0.37	0.34	0.32	0.29	0.26	0.23	0.23	0.22
85	0.07	0.10	0.12	0.15	0.18	0.20	0.23	0.24	0.23	0.22	0.21	0.19	0.17	0.16	0.15	0.14	0.14	0.19	0.24
90	0.04	0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.13	0.11	0.10	0.08	0.07	0.07	0.07	0.09	0.11	0.20	0.30
95	0.09	0.15	0.22	0.30	0.40	0.50	0.62	0.74	0.87	1.00	1.14	1.28	1.43	1.58	1.74	1.89	2.05	2.23	2.40
100	0.00	0.00	0.00	0.00	0.00	0.31	0.87	1.61	3.64	5.80	8.05	10.3	12.5	14.7	16.6	18.3	19.8	19.4	18.6
105	1.05	0.75	0.65	0.80	1.25	2.04	3.20	4.79	8.20	12.0	16.2	20.7	25.4	30.3	35.3	40.4	45.5	51.5	57.4
110	7.97	10.6	13.8	17.7	21.9	26.6	31.5	36.6	38.6	40.8	43.3	46.5	50.2	54.8	60.4	67.1	75.1	94.3	114
115	33.1	46.0	60.4	75.8	91.6	107	122	136	131	126	120	114	108	104	102	103	107	139	174
120	128	140	152	165	178	191	202	212	202	189	177	165	154	146	140	138	141	180	222
125	282	280	277	274	271	267	262	257	241	225	210	196	185	177	172	173	178	215	258
130	370	360	349	337	324	311	297	284	267	251	237	225	215	209	207	210	217	252	291
135	398	387	375	361	347	333	318	304	290	276	264	255	248	244	244	249	257	288	324
140	401	392	382	371	359	347	336	325	313	303	294	287	283	281	282	287	296	322	352
145	398	392	385	377	370	362	354	347	338	331	325	320	317	317	318	323	331	351	375
150	402	398	394	389	384	380	375	371	365	360	356	353	351	351	352	356	362	377	394
155	411	409	407	404	402	400	397	395	391	388	385	382	381	381	382	384	389	399	411
160	425	423	422	421	419	418	417	416	413	411	409	408	407	407	407	409	412	418	426
165	439	438	437	436	435	434	433	433	431	430	429	428	428	428	429	430	432	436	440
170	449	449	448	448	448	447	447	447	447	446	446	446	446	446	446	447	448	450	452
175	458	458	457	457	457	457	457	457	457	457	457	458	458	458	458	459	459	460	461
180	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460

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:5000K	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	6089	6193	6289	6375	6448	6504	6541	6518	6473	6406	6317	6207	6074	5919	5743				
5	6761	7023	7273	7505	7715	7901	8058	8131	8171	8179	8154	8097	8006	7883	7728				
10	6170	6490	6799	7093	7368	7621	7848	7995	8112	8199	8256	8283	8280	8247	8185				
15	4623	4876	5124	5364	5593	5808	6008	6154	6282	6392	6483	6555	6610	6645	6662				
20	2953	3070	3184	3297	3406	3512	3613	3705	3793	3876	3956	4030	4101	4167	4229				
25	1672	1699	1724	1749	1775	1801	1830	1869	1911	1956	2003	2052	2104	2158	2215				
30	902	904	905	906	908	912	917	932	949	969	991	1015	1042	1071	1102				
35	491	492	492	493	494	496	499	506	515	525	535	547	561	575	590				
40	272	275	278	280	283	286	289	294	298	303	309	315	321	327	334				
45	152	155	158	161	164	168	171	175	179	182	186	190	194	198	202				
50	80.0	83.5	87.1	90.7	94.2	97.8	101	104	106	108	110	112	114	115	117				
55	42.2	44.5	46.9	49.2	51.5	53.7	55.7	56.9	57.8	58.6	59.1	59.4	59.6	59.5	59.2				
60	22.1	22.9	23.8	24.7	25.6	26.4	27.2	27.8	28.3	28.7	29.1	29.5	29.8	30.0	30.2				
65	12.3	12.9	13.5	14.2	14.8	15.5	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6				
70	3.62	4.55	5.52	6.49	7.45	8.37	9.23	9.71	10.1	10.4	10.7	10.8	10.9	10.9	10.8				
75	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.29	0.28	0.27	0.26	0.24	0.23				
80	0.22	0.22	0.22	0.22	0.23	0.22	0.22	0.21	0.20	0.19	0.17	0.15	0.13	0.11	0.09				
85	0.29	0.35	0.40	0.45	0.49	0.53	0.56	0.54	0.52	0.49	0.45	0.39	0.32	0.24	0.15				
90	0.40	0.51	0.61	0.72	0.81	0.90	0.98	1.00	1.01	1.01	0.99	0.95	0.90	0.84	0.76				
95	2.58	2.74	2.90	3.05	3.19	3.32	3.43	3.49	3.54	3.57	3.58	3.58	3.56	3.52	3.46				
100	17.7	16.5	15.1	13.7	12.2	10.7	9.31	8.65	8.09	7.62	7.26	7.00	6.84	6.77	6.81				
105	62.9	68.0	72.5	76.3	79.2	81.1	82.0	79.7	76.2	71.5	65.5	58.2	49.7	39.9	28.9				
110	135	154	173	191	206	218	228	225	218	208	193	175	152	126	95.5				
115	210	247	283	317	349	376	398	398	392	379	361	335	303	265	221				
120	267	314	361	407	451	490	524	534	537	533	523	506	483	453	417				
125	303	351	401	450	499	545	587	609	626	639	647	650	648	642	631				
130	334	380	427	476	524	571	616	645	671	694	713	730	743	754	761				
135	363	404	448	493	538	582	626	656	685	711	736	758	778	796	812				
140	385	421	458	497	537	576	615	645	674	702	729	754	778	802	824				
145	401	429	460	491	524	557	591	619	646	674	701	729	756	783	810				
150	414	435	458	483	508	535	562	586	611	637	663	689	716	743	771				
155	424	440	456	474	492	512	532	552	572	592	613	635	658	681	705				
160	435	444	455	466	479	492	505	518	532	547	562	577	594	610	628				
165	445	451	457	464	471	479	487	495	503	512	521	531	540	551	561				
170	455	458	461	465	468	472	476	480	484	488	493	497	502	506	511				
175	462	463	464	465	466	468	469	471	472	474	476	478	480	482	484				
180	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460				

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: