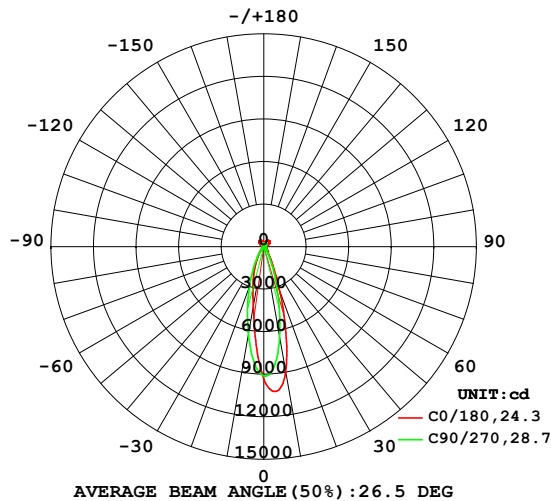


LUMINAIRE PHOTOMETRIC TEST REPORT

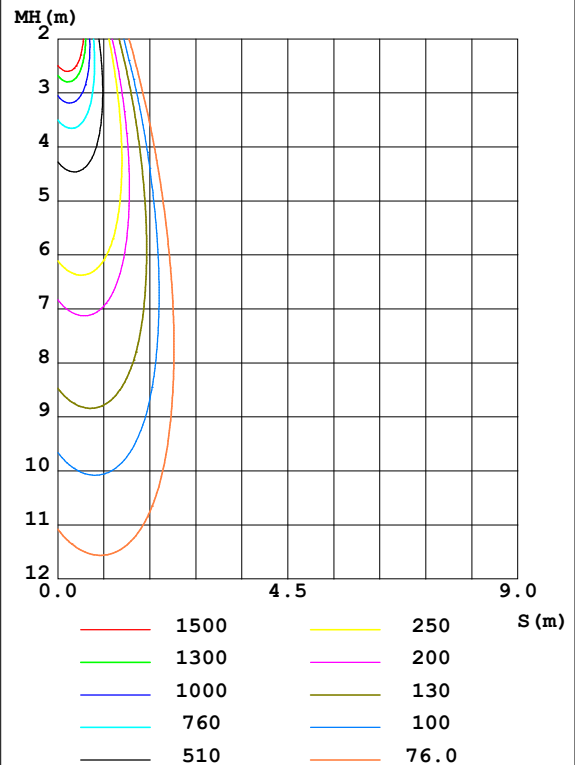
NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.69 lm/W
MODEL		Imax(cd)	10248	S/MH(C0/180)		0.55
NOMINAL POWER(W)	56	LOR(%)	100.0	S/MH(C90/270)		0.48
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5060.5	η UP,DN(C0-180)		15.7,33.9
NOMINAL FLUX(lm)	5060.54	CIE CLASS	SEMI-D.	η UP,DN(C180-360)		14.9,35.6
LAMPS INSIDE	1	η up(%)	30.6	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	120.0	η down(%)	69.4	CIBSE SHR MAX		1.00

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:

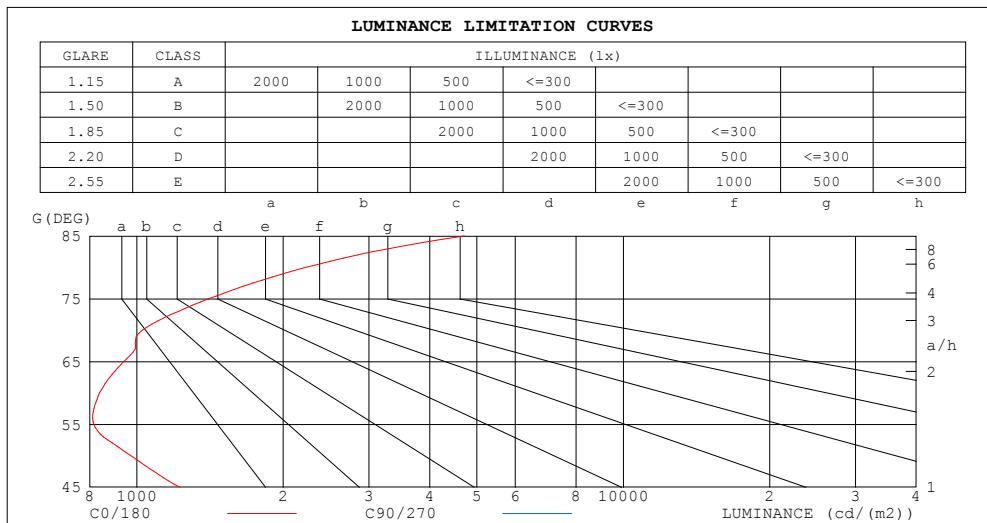
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	893.5	804.2	647.2	515.8	430.7	471.1	627.3	785.2	0- 10	736.0	736.0	14.5,14.5
20	328.8	283.8	241.9	221.2	208.5	239.5	297.3	316.7	10- 20	1197	1933	38.2,38.2
30	90.82	82.05	71.72	81.99	86.45	100.6	107.5	96.50	20- 30	730.0	2663	52.6,52.6
40	35.56	31.67	22.14	29.56	33.11	36.59	32.95	34.62	30- 40	340.8	3004	59.4,59.4
50	18.00	16.59	5.848	14.04	15.55	16.56	9.022	17.00	40- 50	164.3	3168	62.6,62.6
60	12.07	10.93	1.751	9.588	10.61	9.789	2.470	11.16	50- 60	95.56	3264	64.5,64.5
70	10.11	10.35	0.2544	8.144	9.226	9.010	0.3913	10.35	60- 70	78.48	3342	66,66
80	11.12	10.81	0.1657	9.604	10.34	9.722	0.1617	10.53	70- 80	78.79	3421	67.6,67.6
90	12.60	12.42	0.1440	11.73	11.64	10.82	0.1280	12.49	80- 90	92.72	3514	69.4,69.4
100	15.07	16.08	2.582	13.04	13.64	12.39	1.548	14.58	90-100	109.1	3623	71.6,71.6
110	22.14	27.25	6.574	19.08	16.55	17.47	5.438	24.27	100-110	147.8	3771	74.5,74.5
120	38.71	35.45	10.93	30.78	26.76	27.95	9.646	34.94	110-120	221.2	3992	78.9,78.9
130	51.51	39.86	15.25	39.52	42.34	37.14	13.98	39.01	120-130	278.8	4271	84.4,84.4
140	54.23	39.91	19.29	42.47	51.59	39.96	18.16	38.09	130-140	283.4	4554	90,90
150	50.01	35.41	23.05	41.04	50.77	38.08	21.85	33.88	140-150	235.1	4789	94.6,94.6
160	38.74	27.50	25.92	35.13	42.14	33.40	24.94	29.33	150-160	158.8	4948	97.8,97.8
170	28.86	27.54	27.56	29.25	31.99	28.90	27.04	27.88	160-170	85.63	5034	99.5,99.5
180	27.89	27.89	27.89	27.89	27.89	27.89	27.89	27.89	170-180	26.93	5061	100,100
DEG	LUMINOUS INTENSITY:×10cd									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*0.24	Shielding Angle:



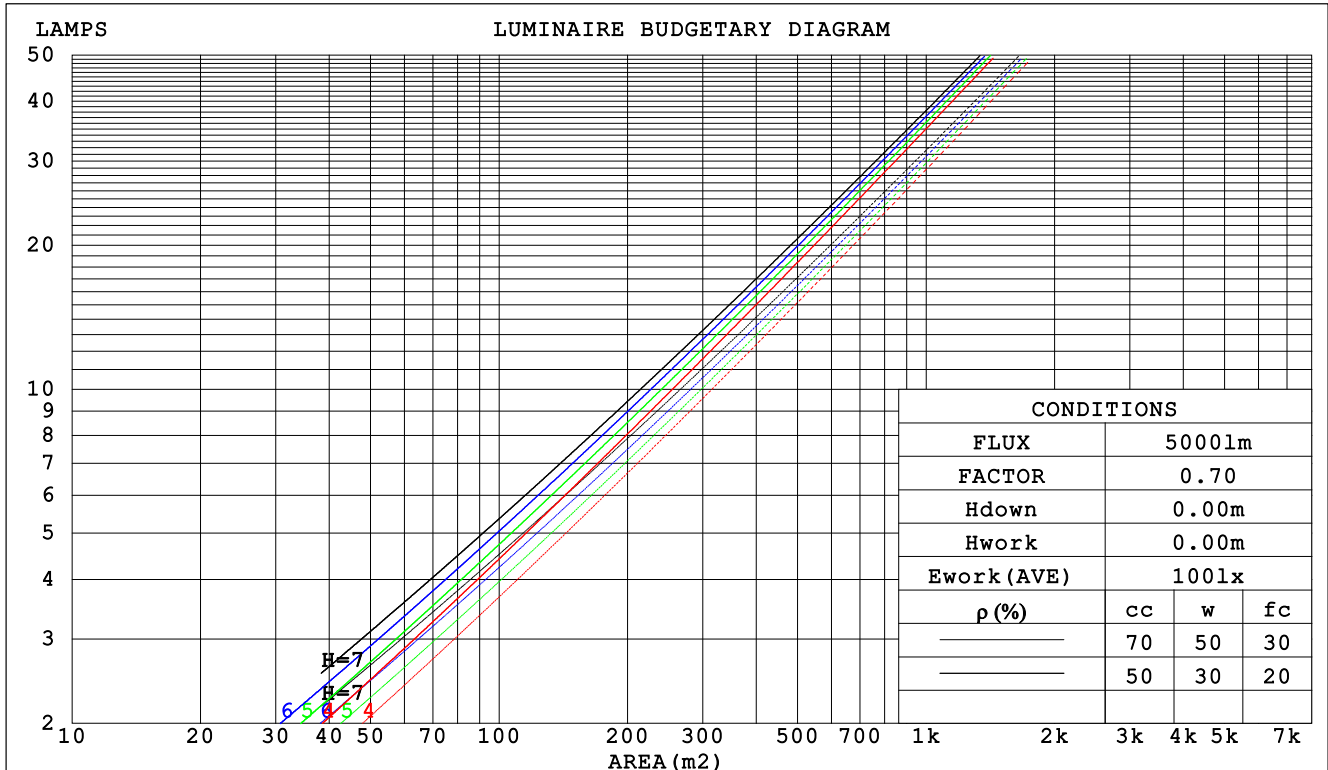
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	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	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.69
1.0	1.01	.98	.95	.96	.93	.91	.86	.84	.82	.77	.76	.75	.69	.68	.67	.63
2.0	.93	.88	.84	.88	.84	.81	.80	.77	.74	.72	.70	.68	.65	.64	.62	.59
3.0	.85	.80	.75	.82	.77	.73	.75	.71	.68	.68	.65	.63	.62	.60	.58	.55
4.0	.79	.73	.69	.76	.71	.67	.70	.66	.63	.64	.61	.59	.59	.57	.55	.52
5.0	.74	.68	.63	.71	.66	.61	.66	.62	.58	.61	.58	.55	.56	.54	.52	.49
6.0	.69	.63	.59	.67	.61	.57	.62	.58	.54	.58	.54	.52	.54	.51	.49	.47
7.0	.65	.59	.55	.63	.58	.54	.59	.55	.51	.55	.52	.49	.52	.49	.47	.45
8.0	.62	.56	.52	.60	.54	.51	.56	.52	.49	.53	.49	.47	.50	.47	.45	.43
9.0	.59	.53	.49	.57	.51	.48	.54	.49	.46	.51	.47	.44	.48	.45	.43	.41
10.0	.56	.50	.46	.54	.49	.45	.51	.47	.44	.49	.45	.42	.46	.43	.41	.39



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*0.24	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	.223	.127	.040	.207	.118	.038	.177	.101	.032	.149	.086	.028	.124	.072	.023		
2.0	.201	.110	.034	.186	.103	.032	.159	.089	.028	.135	.075	.024	.112	.063	.020		
3.0	.184	.098	.029	.171	.092	.028	.147	.079	.024	.124	.068	.021	.103	.057	.018		
4.0	.170	.088	.026	.158	.083	.024	.136	.072	.022	.116	.062	.019	.097	.053	.016		
5.0	.158	.081	.023	.148	.076	.022	.128	.066	.020	.109	.057	.017	.091	.049	.015		
6.0	.148	.074	.021	.138	.070	.020	.120	.061	.018	.103	.053	.016	.087	.046	.014		
7.0	.139	.069	.019	.130	.065	.018	.113	.057	.016	.097	.050	.015	.082	.043	.013		
8.0	.131	.064	.018	.123	.060	.017	.107	.054	.015	.093	.047	.014	.079	.040	.012		
9.0	.124	.060	.017	.116	.057	.016	.102	.050	.014	.088	.044	.013	.075	.038	.011		
10.0	.118	.056	.016	.111	.053	.015	.097	.048	.013	.084	.042	.012	.072	.036	.010		

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	.423	.423	.423	.362	.362	.362	.247	.247	.247	.142	.142	.142	.045	.045	.045	
1.0	.409	.392	.376	.350	.336	.324	.239	.231	.224	.138	.134	.130	.044	.043	.042	
2.0	.396	.369	.345	.340	.317	.299	.233	.220	.208	.134	.128	.122	.043	.041	.040	
3.0	.386	.351	.324	.331	.303	.281	.227	.211	.197	.131	.123	.116	.042	.040	.038	
4.0	.376	.338	.309	.323	.292	.268	.222	.203	.189	.128	.119	.112	.041	.039	.037	
5.0	.368	.327	.297	.316	.283	.259	.217	.198	.183	.126	.116	.108	.041	.038	.036	
6.0	.360	.319	.289	.310	.276	.252	.214	.193	.178	.124	.114	.106	.040	.037	.035	
7.0	.354	.312	.282	.304	.270	.246	.210	.189	.174	.122	.112	.104	.039	.037	.034	
8.0	.348	.306	.277	.299	.265	.242	.207	.186	.171	.120	.110	.102	.039	.036	.034	
9.0	.342	.301	.273	.295	.261	.238	.204	.184	.169	.119	.108	.101	.039	.036	.033	
10.0	.338	.297	.269	.291	.258	.235	.202	.181	.167	.118	.107	.100	.038	.035	.033	

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*0.24					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					6.7	7.5	7.3	8.1	8.8	3.2	4.0	3.8	4.6	5.2
					8.6	9.3	9.3	10.0	10.7	3.3	4.1	4.0	4.7	5.4
					9.9	10.6	10.6	11.3	12.0	3.4	4.1	4.1	4.7	5.5
					11.7	12.4	12.4	13.1	13.9	3.5	4.1	4.2	4.8	5.6
					12.9	13.5	13.6	14.2	15.0	3.5	4.1	4.2	4.8	5.6
					14.2	14.8	14.9	15.5	16.3	3.5	4.1	4.2	4.8	5.6
4H					2H	7.0	7.7	7.7	8.4	9.1	4.4	5.1	5.1	5.7
					3H	9.4	10.0	10.1	10.7	11.5	5.3	5.9	6.0	6.6
					4H	11.0	11.6	11.8	12.3	13.2	5.8	6.3	6.6	7.1
					6H	13.2	13.6	13.9	14.4	15.3	6.3	6.7	7.1	7.5
					8H	14.4	14.9	15.2	15.6	16.6	6.4	6.9	7.2	7.6
					12H	15.9	16.3	16.7	17.1	18.1	6.6	7.0	7.4	7.8
8H					4H	11.5	12.0	12.3	12.7	13.7	7.9	8.4	8.7	9.2
					6H	14.1	14.4	14.9	15.2	16.2	9.2	9.5	10.0	10.4
					8H	15.6	15.9	16.4	16.7	17.8	9.8	10.1	10.6	10.9
					12H	17.4	17.6	18.2	18.5	19.5	10.2	10.5	11.1	11.3
12H					4H	11.6	12.0	12.4	12.8	13.7	8.7	9.1	9.5	9.8
					6H	14.3	14.6	15.1	15.4	16.5	10.4	10.7	11.2	11.5
					8H	16.0	16.2	16.8	17.1	18.1	11.3	11.6	12.2	12.4
Variations with the observer position at spacings:														
S = 1.0H					+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H					+ 0.2 / - 0.2					+ 0.1 / - 0.1				
2.0H					+ 0.3 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5061 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

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:

UTILIZATION FACTORS TABLE

NAME: GEN10	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:

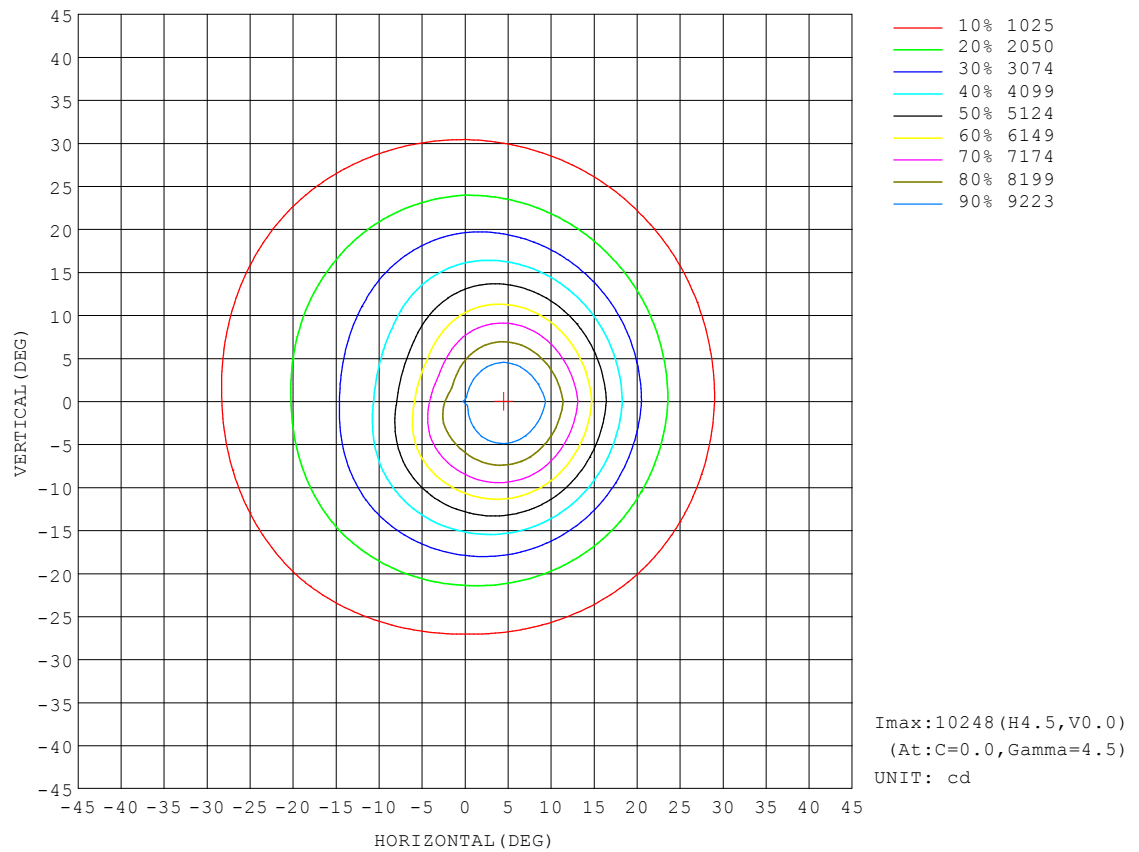
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	66	58	54	65	57	53	62	56	52	47
0.80	74	66	61	72	65	60	68	62	58	52
1.00	80	71	66	77	70	65	73	67	63	55
1.25	85	77	71	82	75	70	76	71	67	58
1.50	89	81	76	85	78	74	79	74	70	59
2.00	93	86	81	89	83	78	82	77	74	61
2.50	96	90	85	92	86	82	84	80	76	62
3.00	98	93	88	94	89	85	85	82	79	63
4.00	101	97	93	96	92	89	87	84	82	65
5.00	103	99	96	98	95	92	89	86	84	66
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

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*0.24	Shielding Angle:

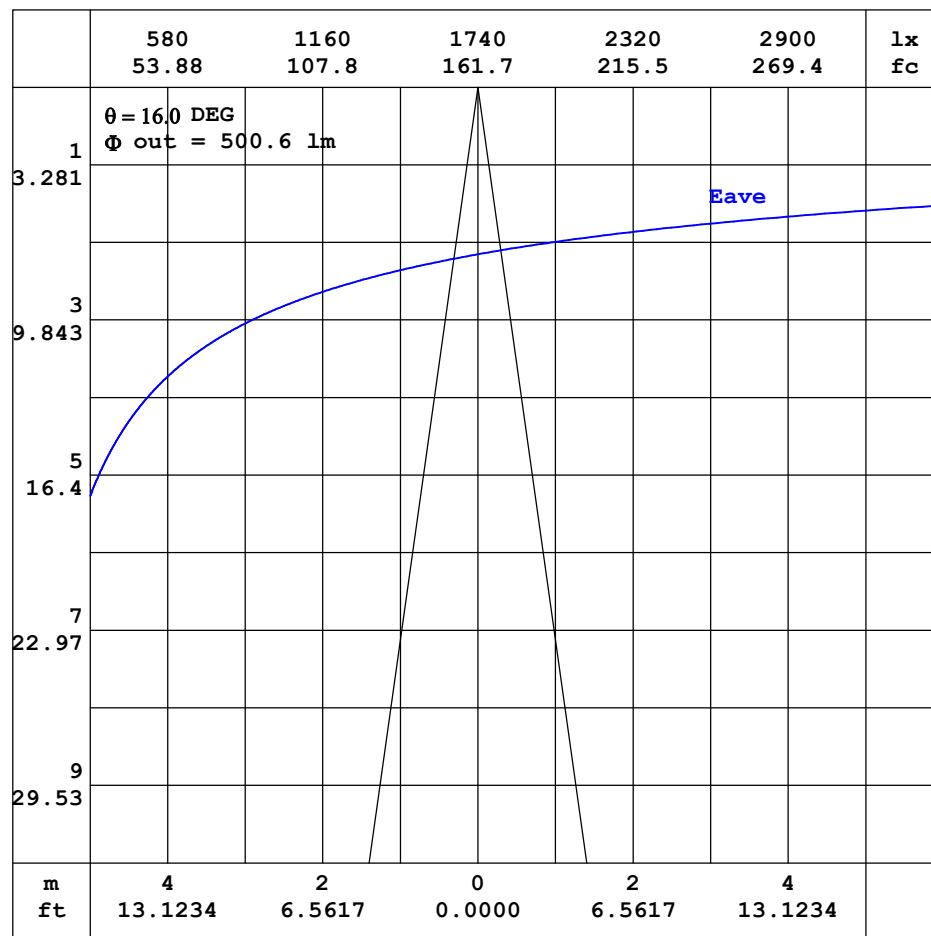


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

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*0.24	Shielding Angle:



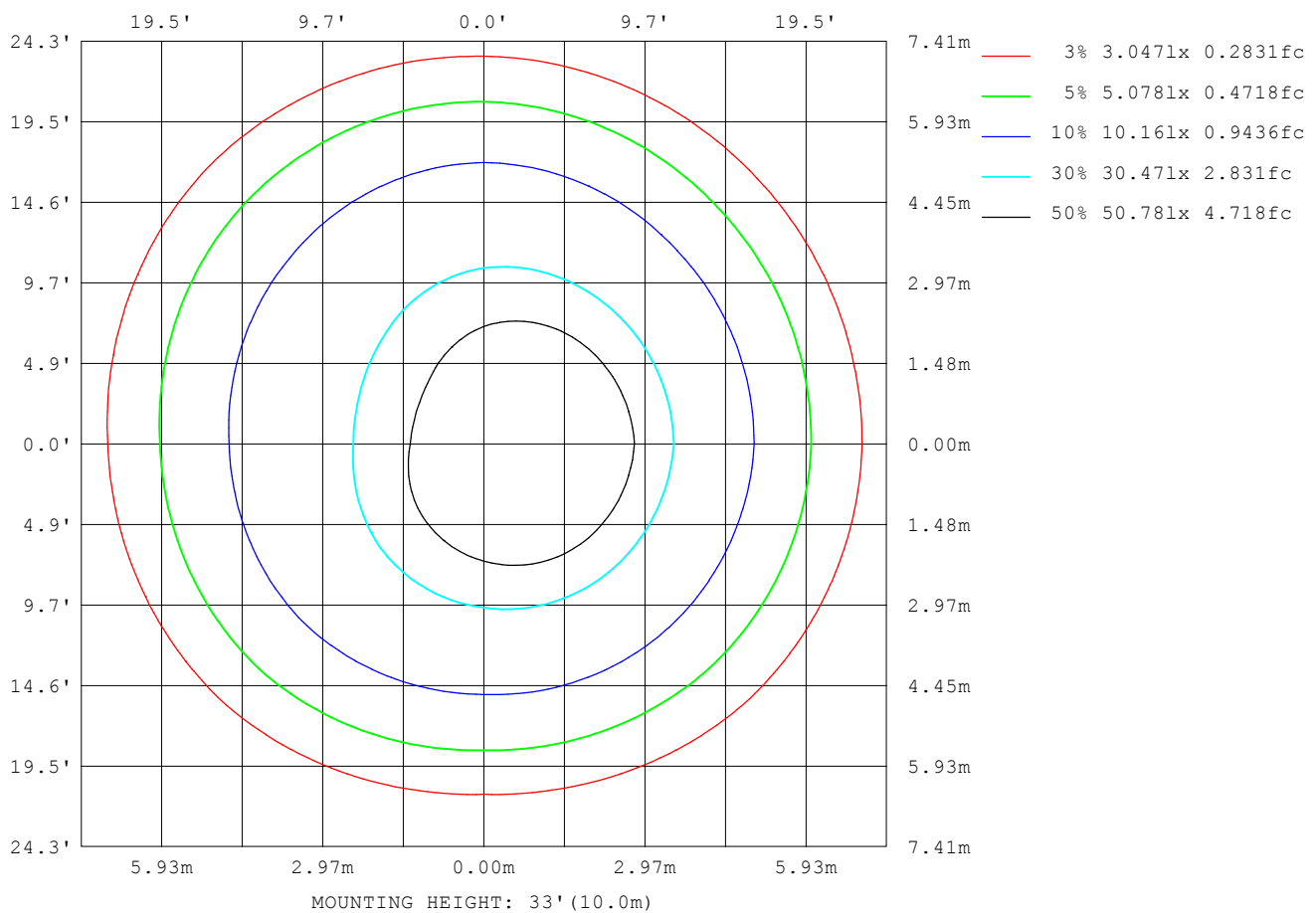
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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*0.24	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*0.24	Shielding Angle:

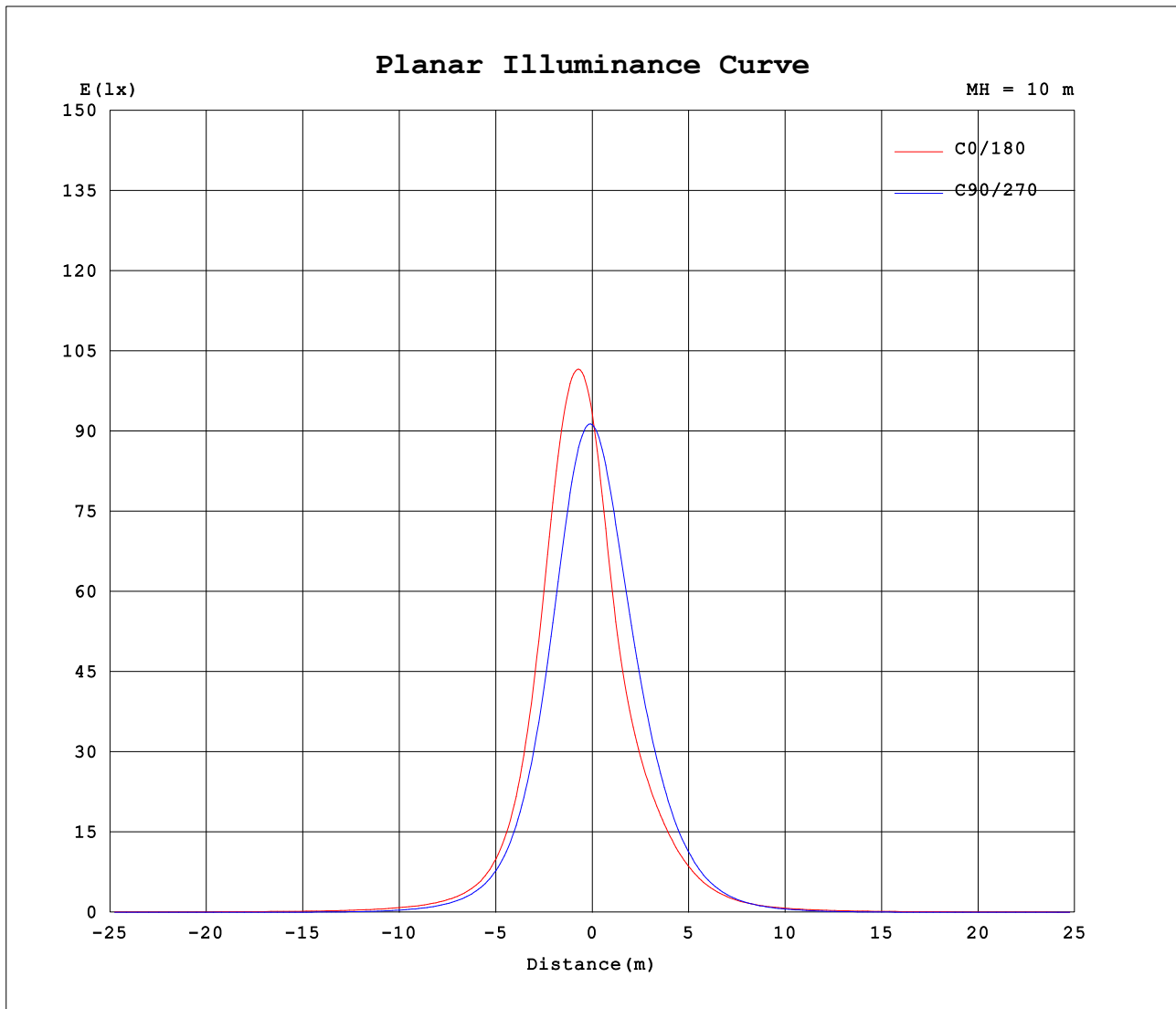
AvgL	cd/m2
L_0~180 (65) av	882
L_0~180 (75) av	1352
L_0~180 (85) av	4553
L_90~270 (65) av	88
L_90~270 (75) av	27
L_90~270 (85) av	54
L_45 (65) av	803
L_45 (75) av	1263
L_45 (85) av	4380

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*0.24	Shielding Angle:

Table--1

UNIT: ×10cd

γ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	933	929	925	921	918	915	912	910	909	907	906	906	906	906	907	908	909	910	912
5	1024	1019	1014	1008	1001	994	986	978	969	960	949	937	926	913	901	889	876	863	851
10	894	887	880	871	862	852	841	830	817	804	788	772	755	737	719	701	683	665	647
15	598	592	585	578	570	562	554	545	536	526	514	502	490	478	466	453	441	429	417
20	329	324	319	313	308	303	298	294	289	284	279	274	269	264	259	254	250	246	242
25	170	168	166	164	162	160	158	156	153	151	149	146	144	141	139	137	135	133	132
30	90.8	89.9	89.0	88.1	87.1	86.1	85.1	84.1	83.1	82.0	80.6	79.1	77.7	76.3	75.1	74.0	73.0	72.3	71.7
35	54.4	54.0	53.5	53.0	52.5	51.9	51.3	50.6	49.9	49.1	47.9	46.6	45.4	44.2	43.1	42.1	41.2	40.4	39.9
40	35.6	35.4	35.2	34.9	34.5	34.1	33.6	33.0	32.4	31.7	30.5	29.2	28.0	26.8	25.6	24.6	23.6	22.8	22.1
45	24.9	25.1	25.1	25.0	24.9	24.6	24.2	23.8	23.2	22.5	21.3	19.9	18.6	17.3	16.0	14.7	13.6	12.7	11.9
50	18.0	18.3	18.5	18.6	18.5	18.4	18.1	17.7	17.2	16.6	15.3	14.0	12.7	11.3	9.97	8.72	7.60	6.62	5.85
55	13.5	13.9	14.1	14.2	14.3	14.2	14.0	13.7	13.3	12.8	11.6	10.4	9.21	7.98	6.77	5.64	4.62	3.75	3.05
60	12.1	12.3	12.5	12.6	12.6	12.4	12.2	11.9	11.5	10.9	9.85	8.70	7.53	6.36	5.22	4.16	3.20	2.39	1.75
65	11.4	11.8	12.1	12.2	12.3	12.2	12.0	11.7	11.3	10.7	9.57	8.35	7.08	5.81	4.57	3.41	2.36	1.46	0.74
70	10.1	10.6	11.1	11.3	11.5	11.5	11.4	11.2	10.8	10.3	9.22	8.00	6.73	5.45	4.20	3.02	1.94	1.01	0.25
75	10.5	10.9	11.3	11.5	11.6	11.6	11.4	11.2	10.8	10.3	9.14	7.91	6.63	5.35	4.10	2.92	1.86	0.94	0.21
80	11.1	11.6	11.9	12.2	12.3	12.2	12.1	11.8	11.4	10.8	9.58	8.26	6.91	5.54	4.22	2.98	1.87	0.91	0.17
85	11.8	12.3	12.7	13.0	13.1	13.0	12.9	12.6	12.1	11.5	10.2	8.79	7.33	5.87	4.45	3.13	1.93	0.92	0.14
90	12.6	13.2	13.6	13.9	14.0	14.0	13.8	13.5	13.0	12.4	11.0	9.47	7.90	6.32	4.79	3.36	2.08	0.99	0.14
95	13.8	14.4	14.8	15.0	15.1	15.1	14.9	14.5	14.0	13.4	12.0	10.4	8.84	7.25	5.71	4.27	2.97	1.88	1.02
100	15.1	15.9	16.5	17.0	17.3	17.4	17.4	17.1	16.7	16.1	14.6	13.0	11.3	9.59	7.91	6.32	4.87	3.60	2.58
105	17.5	18.9	20.1	21.0	21.7	22.1	22.3	22.2	21.9	21.3	19.6	17.7	15.6	13.5	11.4	9.42	7.54	5.87	4.46
110	22.1	24.0	25.5	26.7	27.6	28.2	28.4	28.3	28.0	27.3	25.1	22.8	20.3	17.7	15.2	12.7	10.4	8.31	6.57
115	29.7	31.3	32.5	33.4	34.0	34.3	34.3	33.9	33.2	32.2	29.7	27.0	24.1	21.1	18.2	15.4	12.9	10.6	8.75
120	38.7	39.4	39.8	40.0	39.9	39.5	38.9	38.0	36.9	35.4	32.6	29.5	26.4	23.3	20.2	17.4	14.9	12.7	10.9
125	46.6	46.4	46.1	45.6	44.8	43.9	42.8	41.4	39.9	38.1	35.0	31.7	28.4	25.2	22.1	19.3	16.8	14.7	13.1
130	51.5	50.9	50.0	49.1	47.9	46.6	45.2	43.6	41.8	39.9	36.6	33.3	30.0	26.8	23.8	21.1	18.7	16.7	15.2
135	53.9	52.9	51.8	50.5	49.2	47.7	46.1	44.3	42.5	40.5	37.4	34.2	31.0	28.0	25.2	22.6	20.4	18.6	17.3
140	54.2	53.0	51.6	50.2	48.6	47.1	45.4	43.6	41.8	39.9	37.0	34.1	31.3	28.5	26.0	23.8	21.9	20.3	19.3
145	52.9	51.4	49.9	48.4	46.8	45.2	43.5	41.9	40.2	38.4	35.9	33.4	31.0	28.7	26.6	24.7	23.2	22.0	21.2
150	50.0	48.3	46.6	44.9	43.2	41.6	40.0	38.5	36.9	35.4	33.4	31.5	29.7	28.0	26.5	25.2	24.2	23.4	23.1
155	45.2	43.0	41.0	39.1	37.3	35.6	34.0	32.6	31.3	30.1	28.8	27.7	26.7	25.9	25.2	24.7	24.5	24.4	24.6
160	38.7	37.0	35.4	33.9	32.6	31.3	30.2	29.2	28.3	27.5	26.8	26.3	25.8	25.5	25.4	25.3	25.4	25.6	25.9
165	32.8	31.9	31.1	30.4	29.7	29.1	28.5	28.1	27.6	27.3	27.0	26.7	26.6	26.4	26.4	26.4	26.5	26.7	26.9
170	28.9	28.6	28.5	28.3	28.1	28.0	27.8	27.7	27.6	27.5	27.5	27.4	27.4	27.4	27.4	27.4	27.4	27.5	27.6
175	28.3	28.2	28.1	28.0	27.9	27.8	27.8	27.7	27.7	27.6	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.9
180	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9

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*0.24	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	915	918	921	924	927	930	933	936	938	939	939	939	939	938	938	936	935	933	930
5	839	828	817	806	795	784	774	763	753	741	729	717	707	696	687	678	671	664	661
10	631	615	600	584	570	556	542	529	516	503	490	478	468	458	449	442	435	431	429
15	407	398	388	379	371	363	355	348	341	334	327	321	315	311	306	303	301	299	299
20	239	236	233	231	229	227	225	223	221	219	216	214	212	211	210	209	208	208	210
25	132	132	132	133	133	134	135	136	137	137	137	137	137	137	137	137	138	138	140
30	72.3	73.2	74.2	75.3	76.6	77.9	79.3	80.7	82.0	82.5	82.9	83.4	83.8	84.2	84.7	85.2	85.8	86.4	87.8
35	40.4	41.0	41.9	42.8	43.9	45.0	46.2	47.3	48.5	49.1	49.6	50.1	50.6	51.1	51.6	52.1	52.6	53.1	54.1
40	22.5	23.1	23.8	24.6	25.5	26.5	27.5	28.5	29.6	30.1	30.6	31.0	31.4	31.8	32.1	32.5	32.8	33.1	33.6
45	12.3	12.9	13.7	14.5	15.5	16.5	17.6	18.7	19.7	20.1	20.5	20.8	21.1	21.4	21.6	21.7	21.9	22.0	22.3
50	6.29	6.93	7.74	8.67	9.70	10.8	11.9	13.0	14.0	14.4	14.7	15.0	15.2	15.3	15.4	15.5	15.5	15.6	15.8
55	3.52	4.17	4.97	5.88	6.88	7.93	8.99	10.0	11.0	11.4	11.6	11.8	11.9	12.0	12.0	12.0	12.0	12.0	12.2
60	2.22	2.86	3.65	4.55	5.53	6.56	7.60	8.62	9.59	9.95	10.2	10.4	10.6	10.7	10.7	10.7	10.7	10.6	10.7
65	1.19	1.83	2.63	3.55	4.55	5.61	6.68	7.74	8.75	9.14	9.46	9.70	9.88	10.0	10.1	10.1	10.1	10.0	10.1
70	0.70	1.33	2.11	3.01	4.00	5.05	6.11	7.15	8.14	8.50	8.78	8.99	9.14	9.23	9.28	9.29	9.27	9.23	9.40
75	0.69	1.36	2.19	3.14	4.17	5.26	6.37	7.46	8.50	8.88	9.19	9.43	9.59	9.70	9.76	9.77	9.75	9.69	9.82
80	0.75	1.54	2.50	3.59	4.77	6.00	7.25	8.46	9.60	9.98	10.3	10.5	10.6	10.6	10.6	10.5	10.5	10.3	10.5
85	0.81	1.72	2.81	4.03	5.36	6.73	8.11	9.45	10.7	11.1	11.3	11.5	11.6	11.6	11.5	11.4	11.2	11.0	11.2
90	0.90	1.91	3.11	4.46	5.91	7.41	8.92	10.4	11.7	12.1	12.3	12.5	12.5	12.4	12.3	12.1	11.9	11.6	11.8
95	1.77	2.76	3.95	5.28	6.72	8.21	9.71	11.2	12.5	12.9	13.1	13.3	13.3	13.3	13.2	13.0	12.8	12.6	12.7
100	3.18	4.03	5.08	6.28	7.60	8.98	10.4	11.8	13.0	13.5	13.7	13.9	14.0	14.1	14.0	13.9	13.8	13.6	13.7
105	4.95	5.72	6.72	7.89	9.20	10.6	12.0	13.4	14.7	15.0	15.2	15.4	15.4	15.3	15.2	15.0	14.8	14.6	14.7
110	7.21	8.18	9.44	10.9	12.5	14.2	15.9	17.6	19.1	19.2	19.2	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.8
115	9.65	11.0	12.6	14.5	16.5	18.6	20.7	22.8	24.6	24.7	24.6	24.3	23.9	23.4	22.8	22.2	21.5	20.9	21.2
120	12.2	13.9	16.0	18.3	20.8	23.4	26.0	28.5	30.8	31.0	30.9	30.7	30.2	29.6	29.0	28.2	27.5	26.8	27.1
125	14.6	16.6	19.0	21.6	24.5	27.5	30.4	33.3	35.9	36.5	36.7	36.7	36.6	36.2	35.8	35.2	34.6	34.0	34.2
130	16.8	18.9	21.4	24.2	27.2	30.3	33.5	36.6	39.5	40.6	41.5	42.2	42.6	42.9	43.0	42.9	42.7	42.3	42.3
135	18.9	20.9	23.4	26.2	29.2	32.3	35.5	38.7	41.7	43.3	44.7	45.9	46.9	47.6	48.2	48.5	48.7	48.6	48.3
140	20.8	22.7	25.0	27.6	30.5	33.4	36.5	39.5	42.5	44.3	45.9	47.4	48.7	49.7	50.5	51.1	51.5	51.6	51.1
145	22.6	24.4	26.5	28.8	31.4	34.1	36.9	39.6	42.3	44.2	45.9	47.4	48.8	49.9	50.8	51.5	52.0	52.2	51.6
150	24.3	25.8	27.6	29.6	31.8	34.1	36.4	38.7	41.0	42.8	44.4	45.9	47.2	48.4	49.3	50.1	50.5	50.8	50.1
155	25.6	26.8	28.1	29.7	31.3	33.0	34.7	36.5	38.2	39.8	41.3	42.7	44.0	45.1	46.1	46.8	47.4	47.7	47.0
160	26.6	27.5	28.4	29.5	30.5	31.7	32.8	34.0	35.1	36.3	37.4	38.4	39.3	40.2	40.9	41.5	41.9	42.1	41.7
165	27.3	27.8	28.3	28.9	29.5	30.1	30.8	31.5	32.1	32.8	33.5	34.1	34.7	35.3	35.8	36.1	36.4	36.6	36.3
170	27.7	27.8	28.0	28.1	28.3	28.5	28.8	29.0	29.3	29.6	30.0	30.4	30.7	31.1	31.4	31.6	31.8	32.0	31.8
175	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.7
180	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9

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*0.24	Shielding Angle:

Table--3

UNIT: ×10cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	927	924	921	918	915	912	909	907	906	906	906	906	907	908	909	910	912	915	918
5	659	658	659	661	664	669	675	682	693	705	718	732	747	763	779	795	812	829	845
10	429	431	434	438	444	452	461	471	485	500	516	533	551	569	588	608	627	646	664
15	301	303	307	311	317	323	330	338	348	359	370	383	395	408	420	433	446	457	467
20	212	215	218	221	225	230	234	239	246	252	259	266	272	279	285	292	297	301	304
25	142	144	146	149	151	154	157	159	163	166	169	172	175	178	180	183	184	184	184
30	89.3	90.9	92.5	94.2	95.8	97.5	99.1	101	102	103	104	105	106	107	107	107	108	107	106
35	55.1	56.0	57.0	58.0	58.9	59.7	60.5	61.1	61.4	61.5	61.5	61.4	61.3	61.1	60.8	60.4	60.0	59.6	59.1
40	34.1	34.6	35.1	35.5	35.9	36.2	36.4	36.6	36.3	36.0	35.6	35.1	34.6	34.2	33.7	33.3	33.0	33.0	33.1
45	22.6	22.9	23.1	23.3	23.4	23.5	23.5	23.4	22.9	22.2	21.5	20.8	20.1	19.4	18.8	18.3	17.9	18.2	18.7
50	16.1	16.3	16.5	16.7	16.8	16.8	16.7	16.6	15.7	14.8	13.8	12.8	11.9	11.0	10.2	9.53	9.02	9.55	10.2
55	12.3	12.5	12.6	12.7	12.7	12.6	12.5	12.2	11.3	10.3	9.31	8.30	7.32	6.42	5.62	4.95	4.46	5.07	5.85
60	10.7	10.8	10.7	10.7	10.6	10.4	10.1	9.79	8.88	7.93	6.96	6.00	5.08	4.24	3.51	2.90	2.47	3.08	3.86
65	10.2	10.2	10.2	10.1	9.95	9.75	9.47	9.12	8.16	7.16	6.13	5.12	4.16	3.27	2.49	1.86	1.40	2.03	2.84
70	9.54	9.65	9.71	9.72	9.66	9.53	9.32	9.01	7.97	6.87	5.74	4.61	3.53	2.53	1.65	0.92	0.39	1.11	2.01
75	9.92	9.97	9.98	9.93	9.82	9.63	9.35	8.99	7.92	6.80	5.64	4.50	3.40	2.39	1.49	0.75	0.20	0.87	1.73
80	10.6	10.7	10.7	10.6	10.5	10.4	10.1	9.72	8.57	7.35	6.10	4.86	3.67	2.56	1.58	0.77	0.16	0.87	1.79
85	11.2	11.3	11.3	11.3	11.1	10.9	10.6	10.2	9.01	7.71	6.38	5.07	3.80	2.64	1.61	0.76	0.14	0.93	1.95
90	11.8	11.9	11.9	11.9	11.7	11.5	11.2	10.8	9.52	8.14	6.73	5.33	3.99	2.76	1.67	0.78	0.13	1.01	2.13
95	12.7	12.8	12.8	12.7	12.6	12.3	12.0	11.5	10.2	8.70	7.20	5.72	4.31	3.00	1.86	0.92	0.23	1.17	2.35
100	13.8	13.8	13.8	13.7	13.5	13.2	12.9	12.4	11.0	9.63	8.19	6.76	5.41	4.16	3.07	2.19	1.55	2.48	3.66
105	14.8	14.8	14.8	14.7	14.5	14.3	14.0	13.6	12.3	10.9	9.50	8.14	6.85	5.69	4.70	3.92	3.41	4.60	6.04
110	17.0	17.3	17.5	17.7	17.8	17.8	17.7	17.5	16.0	14.4	12.7	11.1	9.58	8.18	6.99	6.05	5.44	6.95	8.78
115	21.5	21.9	22.2	22.4	22.6	22.7	22.6	22.3	20.5	18.6	16.5	14.6	12.7	10.9	9.45	8.28	7.50	9.29	11.5
120	27.4	27.8	28.1	28.4	28.5	28.5	28.3	28.0	25.7	23.3	20.9	18.5	16.1	14.0	12.2	10.7	9.65	11.5	13.8
125	34.5	34.6	34.8	34.8	34.6	34.3	33.9	33.1	30.6	27.8	25.0	22.2	19.5	17.0	14.9	13.1	11.8	13.6	15.8
130	42.2	42.0	41.6	41.1	40.4	39.5	38.4	37.1	34.2	31.2	28.1	25.1	22.3	19.6	17.3	15.4	14.0	15.5	17.5
135	47.8	47.2	46.3	45.3	44.0	42.6	41.0	39.3	36.3	33.2	30.1	27.1	24.2	21.6	19.4	17.5	16.1	17.4	19.1
140	50.4	49.5	48.4	47.0	45.5	43.8	41.9	40.0	37.1	34.2	31.3	28.4	25.8	23.4	21.2	19.5	18.2	19.1	20.6
145	50.7	49.7	48.4	46.9	45.3	43.5	41.5	39.5	36.9	34.3	31.7	29.2	26.9	24.7	22.8	21.3	20.1	20.8	21.9
150	49.2	48.1	46.8	45.3	43.6	41.9	40.0	38.1	35.9	33.7	31.5	29.4	27.5	25.7	24.1	22.8	21.9	22.2	22.9
155	46.1	45.0	43.7	42.2	40.7	39.0	37.3	35.6	33.9	32.2	30.6	29.0	27.6	26.3	25.1	24.2	23.5	23.6	24.0
160	41.0	40.2	39.2	38.2	37.1	35.9	34.6	33.4	32.2	31.1	29.9	28.9	27.9	27.0	26.2	25.5	24.9	24.9	25.1
165	35.9	35.5	34.9	34.3	33.6	32.8	32.1	31.3	30.6	29.9	29.2	28.5	27.9	27.3	26.8	26.4	26.0	26.0	26.0
170	31.6	31.3	30.9	30.5	30.1	29.7	29.3	28.9	28.6	28.3	28.1	27.8	27.6	27.4	27.3	27.1	27.0	27.0	27.1
175	28.6	28.6	28.5	28.4	28.3	28.2	28.1	28.0	27.9	27.9	27.8	27.8	27.7	27.7	27.6	27.6	27.6	27.6	27.7
180	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9

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*0.24	Shielding Angle:

Table--4

UNIT: ×10cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	921	924	927	930	933	936	938	939	940	940	940	939	938	937	935				
5	862	878	894	910	925	939	953	964	975	984	993	1001	1008	1014	1020				
10	682	700	718	735	753	769	785	800	814	827	839	851	863	874	884				
15	478	488	497	507	516	525	534	542	550	558	565	572	579	586	592				
20	306	309	311	313	314	315	317	318	320	322	323	324	326	327	328				
25	183	182	181	179	178	176	175	174	173	173	172	172	171	171	171				
30	105	103	102	101	99.3	97.9	96.5	95.6	94.8	94.0	93.3	92.7	92.1	91.6	91.2				
35	58.7	58.1	57.6	57.1	56.6	56.2	55.7	55.4	55.1	54.9	54.7	54.6	54.5	54.4	54.4				
40	33.2	33.4	33.6	33.8	34.1	34.4	34.6	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5				
45	19.2	19.8	20.4	21.1	21.8	22.5	23.2	23.5	23.9	24.2	24.4	24.6	24.7	24.9	24.9				
50	11.1	12.0	13.0	14.0	15.0	16.0	17.0	17.5	17.8	18.1	18.3	18.4	18.4	18.4	18.2				
55	6.77	7.79	8.88	10.00	11.1	12.2	13.2	13.7	14.0	14.2	14.4	14.4	14.3	14.2	13.9				
60	4.76	5.77	6.85	7.95	9.07	10.1	11.2	11.6	12.0	12.3	12.5	12.6	12.6	12.5	12.4				
65	3.79	4.84	5.97	7.12	8.29	9.42	10.5	11.0	11.4	11.7	11.9	12.0	12.0	11.9	11.7				
70	3.07	4.23	5.47	6.74	8.01	9.22	10.4	10.8	11.2	11.4	11.5	11.5	11.3	11.0	10.6				
75	2.74	3.87	5.07	6.31	7.56	8.76	9.89	10.4	10.8	11.1	11.3	11.3	11.3	11.1	10.9				
80	2.87	4.08	5.36	6.69	8.03	9.32	10.5	11.1	11.5	11.8	12.0	12.1	12.0	11.8	11.5				
85	3.15	4.47	5.89	7.34	8.79	10.2	11.5	12.1	12.5	12.8	13.0	13.0	12.9	12.7	12.3				
90	3.43	4.87	6.41	7.99	9.56	11.1	12.5	13.1	13.6	13.9	14.1	14.1	13.9	13.6	13.2				
95	3.74	5.28	6.91	8.59	10.3	11.9	13.4	14.1	14.6	14.9	15.2	15.2	15.1	14.8	14.4				
100	5.04	6.56	8.17	9.83	11.5	13.1	14.6	15.3	15.8	16.1	16.3	16.4	16.3	16.0	15.6				
105	7.68	9.47	11.3	13.2	15.1	16.9	18.5	19.2	19.7	20.0	20.1	19.9	19.6	19.1	18.4				
110	10.8	13.1	15.4	17.8	20.1	22.3	24.3	25.1	25.6	25.9	25.9	25.7	25.2	24.4	23.4				
115	13.9	16.6	19.4	22.3	25.1	27.8	30.3	31.4	32.2	32.7	32.9	32.8	32.5	31.8	30.9				
120	16.4	19.4	22.5	25.7	28.9	32.0	34.9	36.4	37.6	38.6	39.3	39.7	39.8	39.7	39.4				
125	18.4	21.4	24.5	27.9	31.2	34.6	37.8	39.6	41.2	42.6	43.8	44.8	45.5	46.1	46.4				
130	20.0	22.8	25.8	29.1	32.4	35.7	39.0	41.0	42.9	44.6	46.1	47.5	48.7	49.8	50.7				
135	21.3	23.8	26.6	29.6	32.8	35.9	39.1	41.1	43.1	44.9	46.7	48.3	49.9	51.3	52.7				
140	22.4	24.6	27.0	29.6	32.4	35.2	38.1	40.1	42.0	43.9	45.7	47.5	49.3	51.0	52.6				
145	23.3	25.0	27.0	29.1	31.4	33.9	36.3	38.1	40.0	41.8	43.6	45.5	47.3	49.2	51.0				
150	23.9	25.1	26.6	28.2	30.0	31.9	33.9	35.5	37.1	38.8	40.5	42.3	44.2	46.1	48.0				
155	24.6	25.4	26.4	27.5	28.8	30.1	31.5	32.8	34.1	35.5	36.9	38.4	40.0	41.7	43.4				
160	25.4	25.8	26.3	26.9	27.6	28.4	29.3	30.1	31.0	31.9	32.9	33.9	35.0	36.2	37.4				
165	26.1	26.3	26.5	26.8	27.2	27.6	28.0	28.4	28.8	29.3	29.8	30.3	30.9	31.5	32.1				
170	27.1	27.2	27.3	27.5	27.6	27.7	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7				
175	27.7	27.8	27.8	27.9	27.9	28.0	28.1	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.3				
180	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9				

C Range: 0 - 360DEG

C Interval: 5.0DEG

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γ Range: 0 - 180DEG

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

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