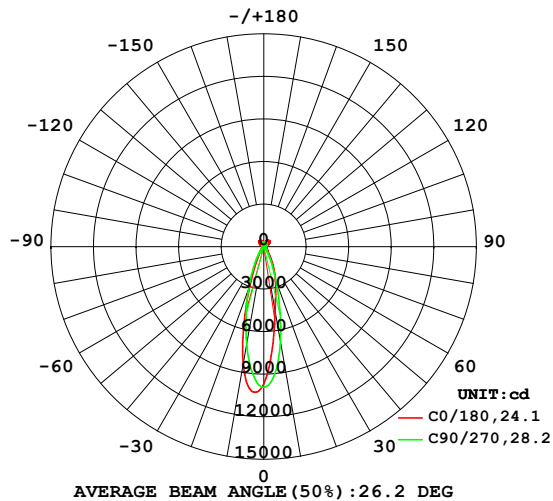


LUMINAIRE PHOTOMETRIC TEST REPORT

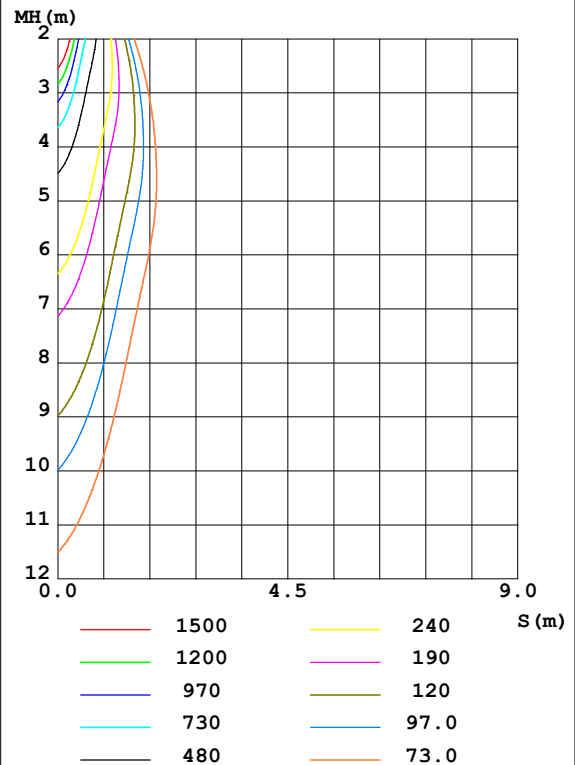
NAME: GEN10	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.29 lm/W			
MODEL		Imax(cd)	10315	S/MH(C0/180)	0.32
NOMINAL POWER(W)	56	LOR(%)	100.0	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5186.8	η UP,DN(C0-180)	15.5,33.4
NOMINAL FLUX(lm)	5186.84	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	14.4,36.6
LAMPS INSIDE	1	η up(%)	30.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120.0	η down(%)	70.0	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:

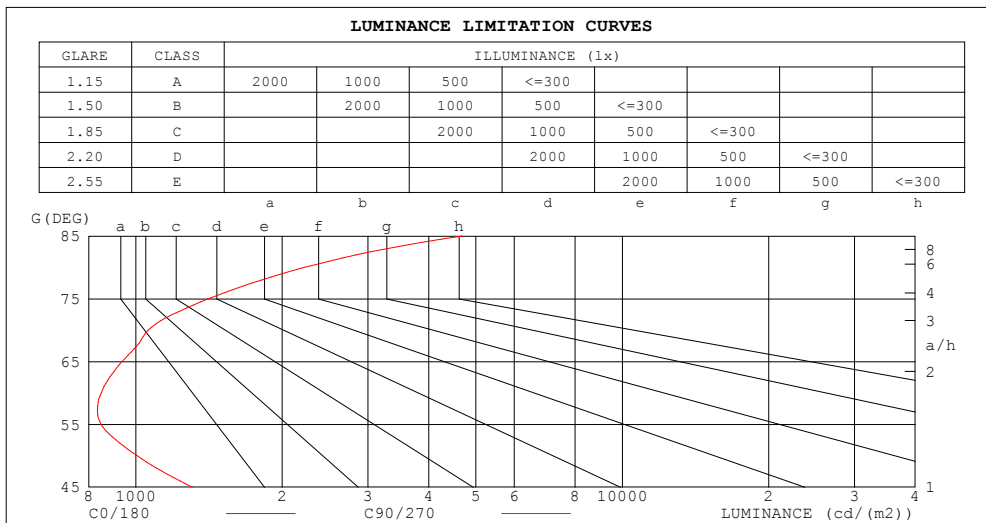
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	465.4	546.0	680.3	802.2	841.4	804.3	699.3	533.5	0- 10	775.7	775.7	15,15
20	240.2	239.1	248.7	272.1	280.5	301.3	313.7	272.5	10- 20	1226	2002	38.6,38.6
30	108.6	88.91	72.69	79.55	79.73	91.10	110.1	119.5	20- 30	749.9	2752	53,53
40	41.08	30.38	22.03	31.62	32.93	34.52	34.04	41.77	30- 40	358.3	3110	60,60
50	18.63	14.47	5.980	15.87	16.34	17.42	9.475	17.22	40- 50	169.9	3280	63.2,63.2
60	12.23	9.972	1.876	10.63	11.18	11.13	2.546	10.55	50- 60	97.31	3377	65.1,65.1
70	10.44	9.782	0.2852	9.344	9.454	10.12	0.4405	9.397	60- 70	79.98	3457	66.7,66.7
80	11.10	9.849	0.2016	11.07	10.83	10.93	0.2116	10.32	70- 80	80.58	3538	68.2,68.2
90	12.50	11.46	0.1840	13.83	12.33	12.91	0.1525	11.29	80- 90	95.34	3633	70,70
100	14.85	13.63	2.950	24.27	14.55	20.27	1.129	12.83	90-100	120.9	3754	72.4,72.4
110	19.90	15.00	7.552	32.90	18.84	29.11	5.225	14.77	100-110	162.5	3916	75.5,75.5
120	34.26	22.94	12.46	36.32	30.32	33.56	10.30	20.47	110-120	208.9	4125	79.5,79.5
130	49.85	35.77	17.57	36.46	46.24	34.06	15.65	30.94	120-130	259.6	4385	84.5,84.5
140	54.55	41.65	22.72	34.14	52.56	31.78	20.77	38.27	130-140	272.9	4658	89.8,89.8
150	51.69	44.50	27.38	29.29	49.88	27.64	25.67	41.06	140-150	233.1	4891	94.3,94.3
160	41.55	42.51	30.93	27.80	39.37	26.46	30.05	41.37	150-160	168.0	5059	97.5,97.5
170	30.29	39.35	33.31	28.80	29.70	27.38	32.77	38.96	160-170	96.69	5156	99.4,99.4
180	27.80	27.80	27.80	27.80	27.80	27.80	27.80	27.80	170-180	31.18	5187	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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:



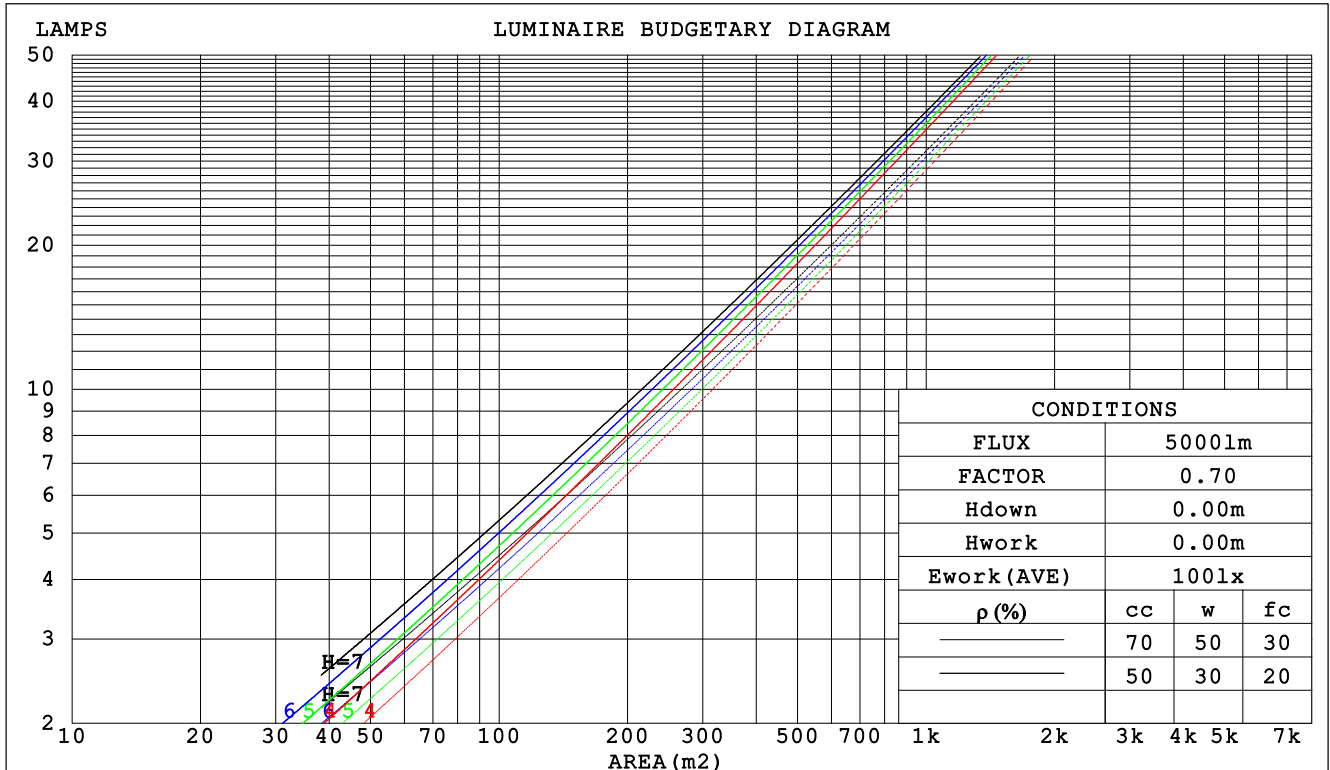
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:5000K	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	.75	.75	.75	.70
1.0	1.01	.98	.95	.96	.93	.91	.87	.85	.83	.78	.76	.75	.70	.69	.68	.64
2.0	.93	.88	.84	.88	.84	.81	.80	.77	.75	.73	.71	.69	.66	.64	.63	.60
3.0	.86	.80	.76	.82	.77	.73	.75	.71	.68	.69	.66	.63	.63	.61	.59	.56
4.0	.80	.74	.69	.76	.71	.67	.70	.66	.63	.65	.62	.59	.60	.57	.55	.53
5.0	.74	.68	.63	.72	.66	.62	.66	.62	.59	.62	.58	.55	.57	.54	.52	.50
6.0	.70	.63	.59	.67	.62	.58	.63	.58	.55	.58	.55	.52	.55	.52	.50	.48
7.0	.66	.59	.55	.64	.58	.54	.60	.55	.52	.56	.52	.49	.52	.49	.47	.45
8.0	.62	.56	.52	.60	.55	.51	.57	.52	.49	.53	.50	.47	.50	.47	.45	.43
9.0	.59	.53	.49	.57	.52	.48	.54	.50	.46	.51	.47	.45	.48	.45	.43	.42
10.0	.56	.50	.47	.55	.49	.46	.52	.47	.44	.49	.45	.43	.46	.44	.41	.40



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*0.24	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	.222	.126	.040	.206	.118	.037	.177	.101	.032	.149	.086	.028	.124	.072	.023		
2.0	.200	.110	.034	.186	.102	.032	.159	.089	.027	.135	.076	.024	.112	.063	.020		
3.0	.183	.097	.029	.170	.091	.027	.147	.079	.024	.124	.068	.021	.104	.057	.018		
4.0	.169	.088	.026	.158	.083	.024	.136	.072	.022	.116	.062	.019	.097	.053	.016		
5.0	.158	.080	.023	.147	.076	.022	.127	.066	.020	.109	.057	.017	.092	.049	.015		
6.0	.147	.074	.021	.138	.070	.020	.120	.061	.018	.103	.053	.016	.087	.046	.014		
7.0	.139	.068	.019	.130	.065	.018	.113	.057	.016	.097	.050	.015	.083	.043	.013		
8.0	.131	.064	.018	.123	.060	.017	.107	.054	.015	.093	.047	.014	.079	.041	.012		
9.0	.124	.060	.017	.116	.057	.016	.102	.050	.014	.088	.044	.013	.076	.038	.011		
10.0	.117	.056	.016	.110	.053	.015	.097	.047	.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	.419	.419	.419	.358	.358	.358	.244	.244	.244	.140	.140	.140	.045	.045	.045	
1.0	.404	.387	.371	.346	.332	.320	.237	.229	.221	.136	.132	.129	.044	.043	.042	
2.0	.392	.364	.341	.335	.313	.295	.230	.217	.205	.133	.126	.120	.043	.041	.039	
3.0	.381	.347	.319	.326	.299	.277	.224	.208	.194	.129	.121	.115	.042	.039	.038	
4.0	.371	.333	.304	.318	.288	.264	.219	.201	.186	.127	.118	.110	.041	.038	.036	
5.0	.363	.322	.293	.312	.279	.255	.215	.195	.180	.124	.114	.107	.040	.037	.035	
6.0	.355	.314	.284	.305	.272	.247	.211	.190	.175	.122	.112	.104	.039	.037	.034	
7.0	.349	.307	.277	.300	.266	.242	.207	.186	.171	.120	.110	.102	.039	.036	.034	
8.0	.343	.301	.272	.295	.261	.237	.204	.183	.168	.119	.108	.100	.038	.035	.033	
9.0	.337	.296	.268	.291	.257	.234	.201	.181	.166	.117	.107	.099	.038	.035	.033	
10.0	.333	.292	.265	.287	.253	.231	.199	.178	.164	.116	.105	.098	.038	.035	.032	

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*0.24			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	2H	6.6	7.4	7.3	8.0	8.7	2.8	3.6	3.4	4.1	4.8
	3H	8.5	9.2	9.1	9.8	10.6	2.9	3.6	3.5	4.2	5.0
	4H	9.8	10.5	10.5	11.1	11.9	2.9	3.6	3.6	4.3	5.0
	6H	11.6	12.2	12.3	12.9	13.7	3.0	3.6	3.7	4.3	5.1
	8H	12.7	13.3	13.4	14.0	14.8	2.9	3.6	3.7	4.2	5.1
	12H	14.0	14.6	14.8	15.3	16.1	2.9	3.5	3.7	4.2	5.0
4H	2H	6.9	7.5	7.5	8.2	8.9	3.9	4.6	4.6	5.2	6.0
	3H	9.2	9.8	9.9	10.5	11.3	4.8	5.3	5.5	6.0	6.9
	4H	10.8	11.3	11.6	12.1	12.9	5.2	5.7	6.0	6.5	7.3
	6H	12.9	13.4	13.7	14.1	15.0	5.6	6.1	6.4	6.8	7.7
	8H	14.2	14.6	15.0	15.4	16.3	5.7	6.2	6.5	7.0	7.9
	12H	15.6	16.0	16.5	16.8	17.8	5.8	6.2	6.6	7.0	8.0
8H	4H	11.2	11.7	12.0	12.4	13.4	7.4	7.8	8.2	8.6	9.5
	6H	13.7	14.1	14.6	14.9	15.9	8.5	8.9	9.3	9.7	10.7
	8H	15.2	15.6	16.1	16.4	17.4	9.0	9.3	9.8	10.1	11.2
	12H	17.0	17.3	17.9	18.1	19.2	9.4	9.7	10.2	10.5	11.5
12H	4H	11.3	11.7	12.1	12.4	13.4	8.1	8.5	8.9	9.3	10.2
	6H	13.9	14.2	14.8	15.1	16.1	9.7	10.0	10.6	10.9	11.9
	8H	15.6	15.8	16.4	16.7	17.7	10.5	10.8	11.4	11.7	12.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.2					+ 0.2 / - 0.1				
2.0H		+ 0.3 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 5187 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.7)

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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:

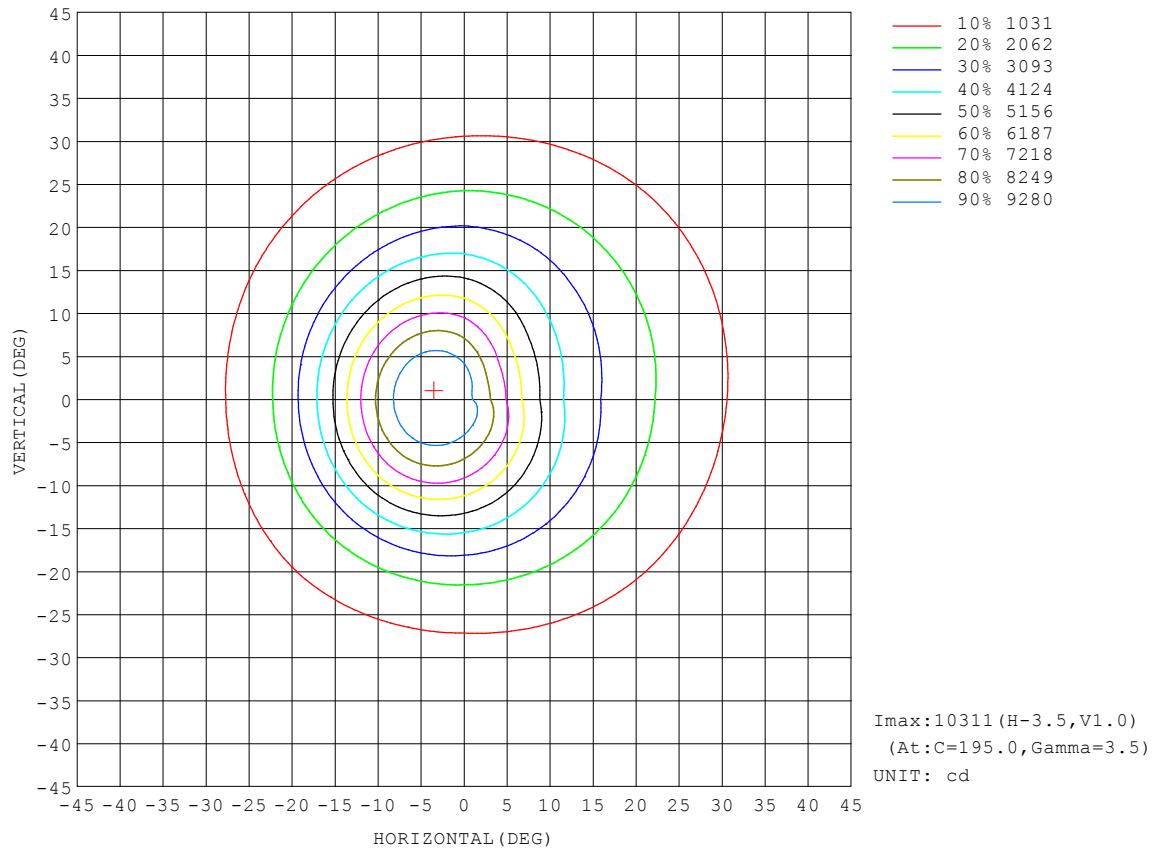
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	59	54	65	58	53	63	56	52	47
0.80	75	66	61	73	65	60	69	63	59	52
1.00	80	72	67	78	70	65	73	68	63	55
1.25	85	77	72	82	75	70	77	71	67	58
1.50	89	81	76	85	79	74	79	74	70	60
2.00	93	86	81	89	83	79	82	78	74	62
2.50	96	90	85	92	86	82	84	80	77	63
3.00	98	93	88	94	89	85	86	82	79	64
4.00	102	97	93	97	93	89	88	85	82	65
5.00	104	99	96	99	95	92	89	87	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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:

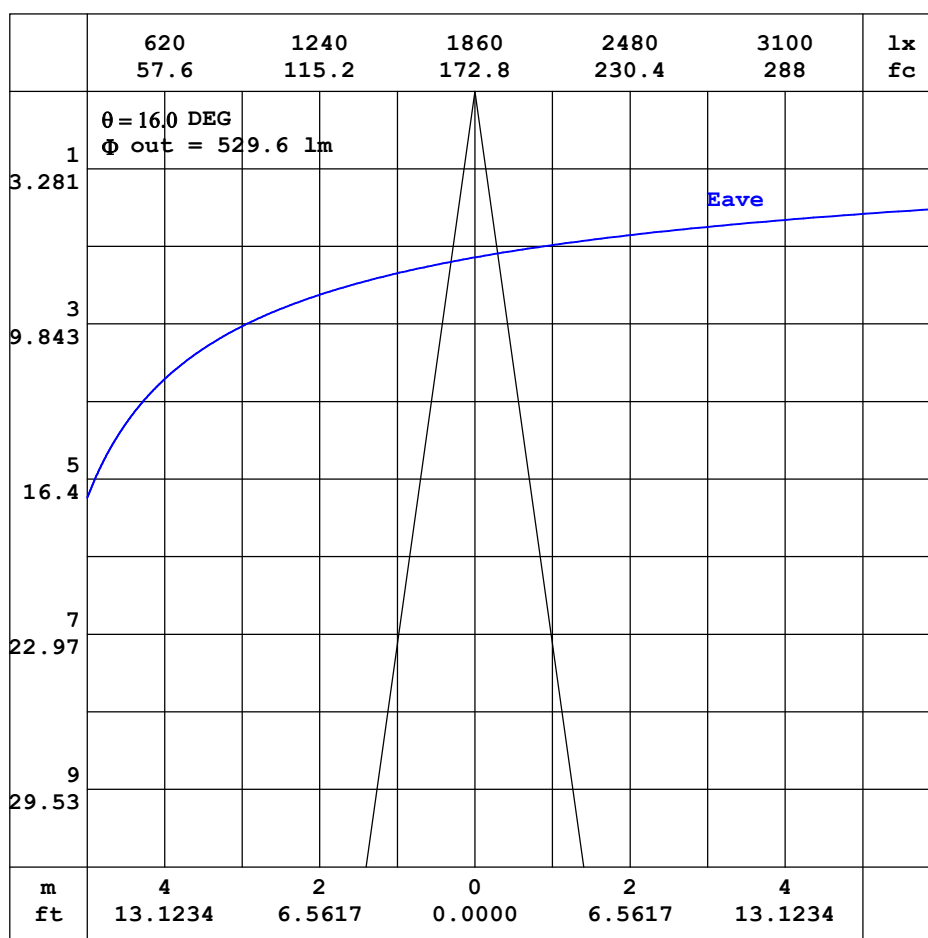


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:



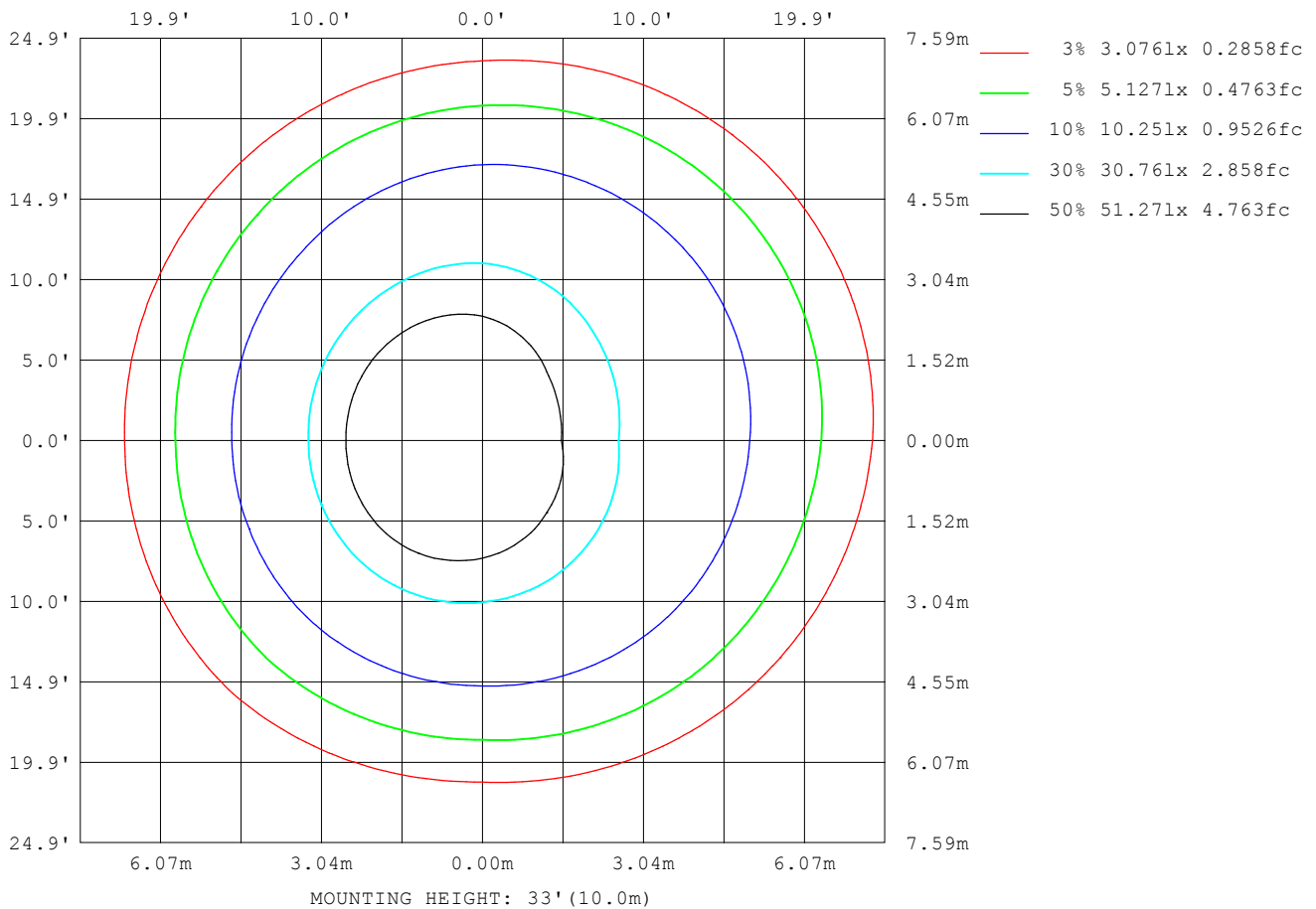
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:5000K	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:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.24	Shielding Angle:

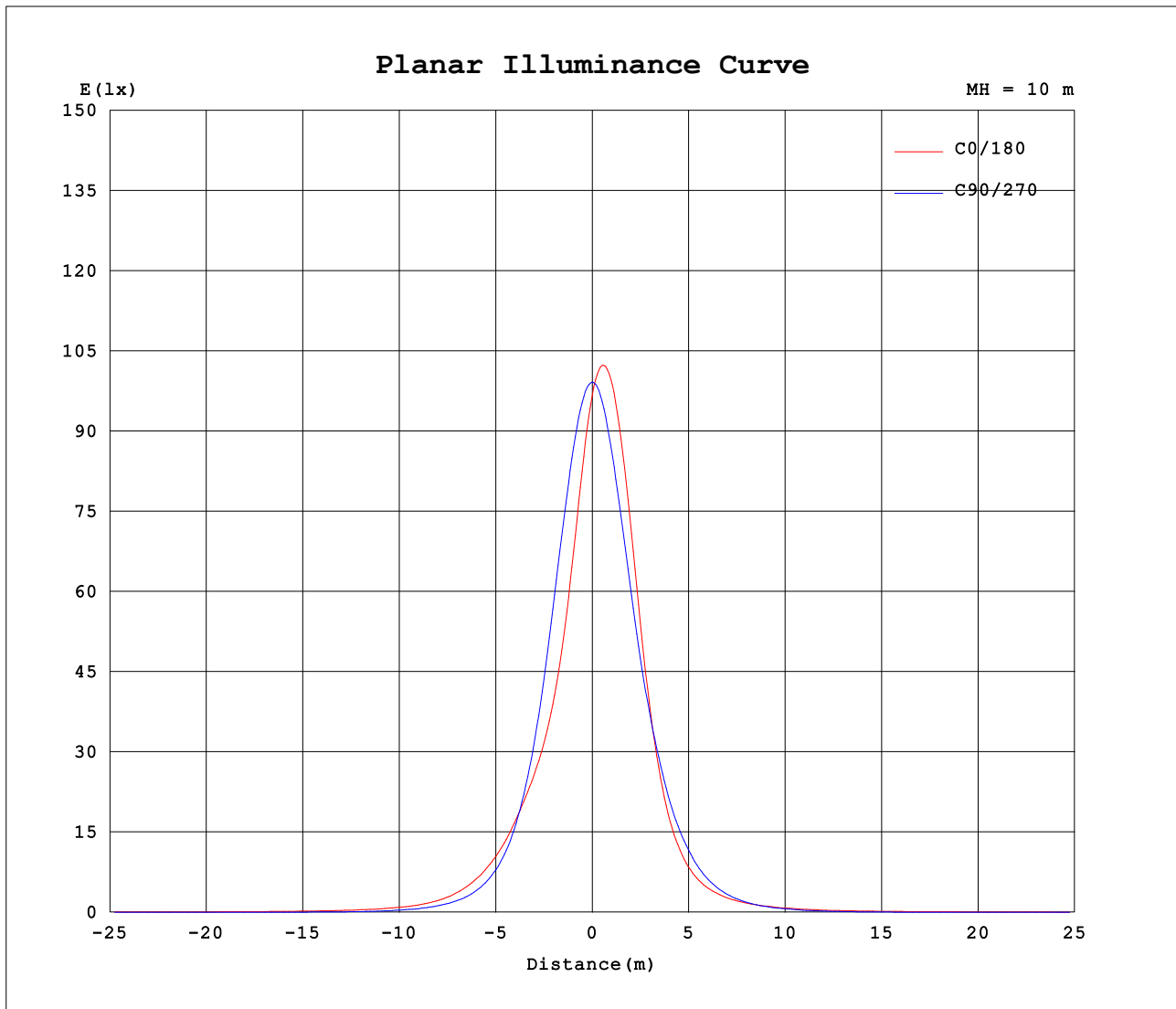
AvgL	cd/m2
L_0~180 (65) av	903
L_0~180 (75) av	1383
L_0~180 (85) av	4652
L_90~270 (65) av	94
L_90~270 (75) av	33
L_90~270 (85) av	69
L_45 (65) av	821
L_45 (75) av	1293
L_45 (85) av	4535

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*0.24	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	967	972	976	979	983	986	988	991	993	994	995	996	996	996	996	995	994	993	992
5	714	723	732	741	751	761	770	780	791	801	812	823	834	845	856	868	879	890	900
10	465	472	479	486	495	504	513	523	534	546	559	574	588	603	618	634	649	665	680
15	326	329	331	334	338	342	346	351	356	362	369	376	383	391	399	408	416	425	434
20	240	240	239	239	238	238	238	238	239	239	240	240	241	242	243	244	246	247	249
25	166	164	163	161	160	158	157	155	153	152	149	147	145	143	141	139	138	136	135
30	109	106	104	102	99.4	97.2	95.1	93.0	90.9	88.9	86.7	84.5	82.4	80.4	78.6	76.8	75.2	73.8	72.7
35	67.8	65.8	63.8	61.9	60.1	58.3	56.5	54.8	53.2	51.6	49.9	48.3	46.8	45.3	43.9	42.7	41.6	40.6	39.9
40	41.1	39.8	38.5	37.2	36.0	34.8	33.7	32.6	31.5	30.4	29.0	27.9	26.8	25.8	24.8	23.9	23.1	22.5	22.0
45	26.6	25.9	25.2	24.5	23.8	23.1	22.3	21.5	20.8	19.9	18.8	17.6	16.5	15.4	14.4	13.6	12.9	12.3	11.9
50	18.6	18.4	18.1	17.7	17.3	16.9	16.3	15.8	15.1	14.5	13.3	12.2	11.0	9.88	8.83	7.89	7.08	6.43	5.98
55	14.0	14.0	13.9	13.7	13.5	13.2	12.8	12.4	11.9	11.3	10.3	9.19	8.11	7.05	6.05	5.14	4.34	3.70	3.23
60	12.2	12.3	12.2	12.1	11.9	11.7	11.4	11.0	10.5	9.97	8.95	7.88	6.80	5.75	4.74	3.82	3.02	2.36	1.88
65	11.4	11.6	11.7	11.7	11.6	11.5	11.2	10.8	10.4	9.86	8.75	7.58	6.40	5.22	4.10	3.06	2.14	1.38	0.81
70	10.4	10.8	11.1	11.2	11.2	11.2	11.0	10.7	10.3	9.78	8.66	7.47	6.25	5.02	3.84	2.74	1.76	0.92	0.29
75	10.5	10.8	11.0	11.1	11.1	11.0	10.8	10.5	10.1	9.56	8.44	7.25	6.04	4.83	3.67	2.60	1.64	0.84	0.24
80	11.1	11.4	11.6	11.6	11.6	11.4	11.2	10.9	10.4	9.85	8.66	7.41	6.14	4.88	3.68	2.57	1.59	0.79	0.20
85	11.8	12.1	12.3	12.3	12.3	12.1	11.9	11.5	11.0	10.4	9.15	7.81	6.45	5.10	3.81	2.63	1.59	0.75	0.13
90	12.5	12.9	13.2	13.3	13.3	13.2	12.9	12.6	12.1	11.5	10.1	8.60	7.10	5.62	4.21	2.91	1.77	0.85	0.18
95	13.6	14.0	14.4	14.5	14.6	14.5	14.2	13.9	13.4	12.7	11.2	9.59	7.96	6.37	4.87	3.51	2.35	1.44	0.85
100	14.8	15.2	15.4	15.5	15.5	15.3	15.1	14.7	14.2	13.6	12.2	10.6	9.07	7.59	6.21	5.00	4.02	3.31	2.95
105	16.4	16.5	16.5	16.4	16.2	16.0	15.7	15.2	14.7	14.2	12.8	11.4	9.96	8.65	7.47	6.48	5.73	5.29	5.19
110	19.9	19.5	19.0	18.5	18.0	17.5	16.9	16.3	15.7	15.0	13.6	12.3	11.1	9.90	8.91	8.13	7.62	7.41	7.55
115	25.9	25.0	24.1	23.2	22.3	21.4	20.5	19.6	18.7	17.8	16.4	14.9	13.6	12.4	11.4	10.6	10.0	9.83	9.99
120	34.3	33.0	31.7	30.4	29.1	27.9	26.6	25.4	24.2	22.9	21.1	19.4	17.7	16.2	14.9	13.8	13.0	12.5	12.5
125	43.1	41.6	40.2	38.7	37.2	35.7	34.2	32.7	31.1	29.6	27.3	25.1	23.0	21.0	19.3	17.7	16.5	15.6	15.1
130	49.9	48.5	47.1	45.6	44.1	42.5	40.9	39.3	37.5	35.8	33.2	30.6	28.1	25.7	23.5	21.6	19.9	18.5	17.6
135	53.3	52.1	50.8	49.4	48.0	46.4	44.8	43.2	41.4	39.6	37.0	34.4	31.8	29.3	26.9	24.8	22.9	21.3	20.1
140	54.6	53.4	52.2	50.9	49.6	48.1	46.6	45.0	43.4	41.6	39.2	36.7	34.2	31.8	29.6	27.5	25.6	24.0	22.7
145	53.8	53.1	52.3	51.3	50.3	49.2	47.9	46.6	45.1	43.6	41.3	39.0	36.7	34.4	32.2	30.1	28.2	26.5	25.1
150	51.7	51.4	51.0	50.4	49.7	48.9	48.0	47.0	45.8	44.5	42.6	40.5	38.5	36.4	34.4	32.4	30.6	28.9	27.4
155	47.6	47.7	47.8	47.7	47.4	47.0	46.5	45.9	45.1	44.1	42.6	40.9	39.2	37.5	35.7	34.0	32.3	30.8	29.3
160	41.6	42.3	42.8	43.3	43.5	43.6	43.6	43.4	43.0	42.5	41.5	40.3	39.0	37.7	36.3	34.9	33.5	32.2	30.9
165	35.4	36.7	37.8	38.8	39.6	40.2	40.6	40.9	41.0	40.9	40.3	39.5	38.7	37.7	36.7	35.6	34.5	33.4	32.3
170	30.3	32.0	33.6	35.0	36.2	37.2	38.0	38.6	39.1	39.3	39.1	38.7	38.2	37.5	36.8	36.0	35.1	34.2	33.3
175	28.5	30.1	31.5	32.8	33.9	34.9	35.7	36.3	36.9	37.2	37.2	37.1	36.8	36.5	36.0	35.5	35.0	34.4	33.8
180	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:5000K	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	989	987	984	981	978	975	972	970	967	966	965	964	964	964	964	965	966	967	970
5	911	922	932	942	952	961	970	978	986	992	998	1003	1007	1011	1014	1017	1019	1020	1021
10	696	711	726	740	754	767	780	791	802	810	818	824	829	834	837	839	841	841	841
15	444	454	464	473	483	491	500	508	515	519	522	525	527	529	530	530	531	531	532
20	251	254	256	259	262	265	267	270	272	273	274	275	276	277	278	279	279	280	283
25	135	135	136	136	137	138	139	140	141	142	142	142	142	142	142	143	144	144	146
30	72.9	73.3	73.9	74.7	75.6	76.5	77.6	78.6	79.5	79.6	79.5	79.5	79.4	79.3	79.3	79.4	79.5	79.7	80.5
35	40.4	41.0	41.9	42.9	43.9	45.1	46.2	47.4	48.4	48.7	48.9	49.0	49.1	49.2	49.2	49.2	49.3	49.3	49.7
40	22.7	23.5	24.5	25.6	26.8	28.0	29.3	30.5	31.6	32.0	32.3	32.6	32.7	32.8	32.9	32.9	32.9	32.9	33.1
45	12.7	13.6	14.6	15.8	17.1	18.4	19.7	20.9	22.1	22.5	22.8	23.0	23.2	23.2	23.3	23.2	23.2	23.1	23.3
50	6.68	7.57	8.61	9.76	11.0	12.2	13.5	14.7	15.9	16.2	16.4	16.6	16.6	16.7	16.6	16.5	16.4	16.3	16.6
55	3.84	4.63	5.56	6.60	7.70	8.84	9.98	11.1	12.1	12.4	12.6	12.7	12.8	12.8	12.8	12.7	12.6	12.5	12.8
60	2.48	3.25	4.16	5.18	6.26	7.39	8.51	9.60	10.6	11.0	11.2	11.3	11.4	11.5	11.4	11.4	11.3	11.2	11.3
65	1.45	2.28	3.26	4.35	5.52	6.73	7.94	9.12	10.2	10.5	10.8	10.9	11.0	11.0	10.9	10.8	10.7	10.6	10.7
70	0.88	1.66	2.60	3.66	4.79	5.96	7.14	8.28	9.34	9.62	9.81	9.91	9.93	9.90	9.83	9.72	9.59	9.45	9.70
75	0.88	1.71	2.70	3.81	4.99	6.22	7.45	8.64	9.76	10.1	10.3	10.5	10.5	10.5	10.5	10.4	10.3	10.1	10.3
80	0.97	1.96	3.10	4.38	5.73	7.12	8.50	9.83	11.1	11.4	11.6	11.7	11.7	11.6	11.4	11.3	11.1	10.8	11.0
85	1.00	2.09	3.36	4.76	6.25	7.77	9.28	10.7	12.1	12.4	12.6	12.6	12.6	12.5	12.3	12.1	11.8	11.6	11.8
90	1.20	2.47	3.94	5.55	7.25	8.98	10.7	12.3	13.8	14.1	14.2	14.2	14.0	13.8	13.4	13.1	12.7	12.3	12.6
95	2.35	4.14	6.16	8.32	10.6	12.8	15.0	17.0	18.8	18.8	18.6	18.1	17.5	16.7	15.9	15.1	14.2	13.5	13.8
100	4.89	7.14	9.62	12.2	14.9	17.5	20.0	22.3	24.3	23.9	23.2	22.2	21.0	19.7	18.4	17.0	15.7	14.6	15.2
105	7.53	10.2	13.0	16.0	19.0	21.9	24.7	27.1	29.2	28.5	27.3	25.9	24.3	22.5	20.6	18.8	17.2	15.7	16.6
110	10.1	12.9	15.9	19.1	22.2	25.3	28.1	30.7	32.9	32.1	30.9	29.4	27.7	25.9	24.0	22.1	20.4	18.8	19.8
115	12.4	15.2	18.2	21.3	24.4	27.4	30.3	33.0	35.2	34.8	33.9	32.8	31.5	30.0	28.4	26.8	25.4	24.1	24.9
120	14.6	17.1	19.8	22.6	25.6	28.5	31.3	34.0	36.3	36.4	36.2	35.7	35.0	34.2	33.2	32.2	31.2	30.3	30.9
125	16.7	18.7	21.0	23.6	26.2	28.9	31.6	34.2	36.7	37.6	38.2	38.7	39.0	39.1	39.0	38.8	38.5	38.2	38.2
130	18.7	20.2	22.0	24.1	26.4	28.9	31.4	34.0	36.5	38.2	39.9	41.4	42.7	43.8	44.8	45.5	46.0	46.2	45.7
135	20.7	21.6	22.9	24.5	26.3	28.3	30.4	32.7	35.0	37.4	39.7	42.0	44.1	46.1	47.8	49.3	50.4	51.1	50.2
140	22.9	23.5	24.3	25.4	26.8	28.4	30.2	32.1	34.1	36.7	39.3	41.8	44.2	46.5	48.5	50.2	51.6	52.6	51.3
145	24.8	24.8	25.1	25.6	26.4	27.5	28.7	30.1	31.8	34.4	37.0	39.7	42.4	44.8	47.1	49.1	50.7	51.8	50.4
150	26.7	26.2	25.9	25.9	26.1	26.6	27.2	28.2	29.3	31.8	34.4	37.1	39.8	42.4	44.7	46.8	48.6	49.9	48.4
155	28.4	27.7	27.1	26.8	26.6	26.6	26.9	27.3	28.0	30.1	32.3	34.5	36.8	39.0	41.1	42.9	44.4	45.6	44.2
160	30.1	29.3	28.6	28.1	27.7	27.5	27.4	27.5	27.8	29.1	30.5	32.0	33.5	34.9	36.3	37.5	38.6	39.4	38.4
165	31.5	30.8	30.2	29.6	29.1	28.7	28.4	28.2	28.2	28.7	29.4	30.1	30.9	31.7	32.4	33.0	33.6	34.0	33.4
170	32.7	32.0	31.4	30.9	30.4	29.9	29.5	29.1	28.8	28.8	28.8	28.9	29.0	29.2	29.3	29.5	29.6	29.7	29.4
175	33.5	33.2	32.9	32.6	32.3	32.0	31.8	31.5	31.2	30.8	30.5	30.1	29.8	29.4	29.1	28.9	28.6	28.4	28.3
180	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:5000K	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	973	976	979	982	986	989	992	994	995	996	996	996	996	995	994	993	992	989	987
5	1021	1020	1019	1017	1014	1010	1005	1000	992	984	974	964	953	941	929	916	902	886	870
10	839	837	834	830	825	819	812	804	796	787	776	766	754	741	728	714	699	681	662
15	533	533	533	533	533	532	530	528	525	522	518	513	508	502	496	488	481	470	459
20	285	287	289	292	294	297	299	301	304	306	309	311	312	313	314	314	314	311	307
25	148	149	151	154	156	158	161	164	167	171	174	177	180	183	186	189	191	192	192
30	81.4	82.5	83.6	84.9	86.3	87.8	89.4	91.1	93.2	95.3	97.5	99.6	102	104	106	108	110	112	114
35	50.0	50.5	50.9	51.5	52.0	52.6	53.2	53.9	54.6	55.3	56.1	56.9	57.7	58.6	59.5	60.5	61.5	62.9	64.5
40	33.3	33.5	33.7	33.9	34.1	34.3	34.4	34.5	34.4	34.2	34.1	34.0	33.9	33.8	33.8	33.9	34.0	34.8	35.8
45	23.4	23.6	23.7	23.7	23.8	23.8	23.7	23.6	23.0	22.4	21.7	21.1	20.5	19.9	19.4	19.0	18.7	19.2	19.8
50	16.9	17.1	17.3	17.5	17.6	17.6	17.6	17.4	16.5	15.6	14.6	13.5	12.5	11.6	10.8	10.0	9.47	9.96	10.6
55	13.0	13.2	13.4	13.6	13.7	13.7	13.6	13.4	12.4	11.3	10.2	9.09	7.99	6.95	6.02	5.22	4.60	5.13	5.84
60	11.5	11.6	11.7	11.7	11.7	11.6	11.4	11.1	10.1	9.08	7.98	6.88	5.81	4.81	3.91	3.14	2.55	3.03	3.70
65	10.9	11.0	11.1	11.1	11.0	10.9	10.7	10.4	9.36	8.26	7.12	5.98	4.87	3.83	2.90	2.10	1.48	1.95	2.61
70	9.94	10.2	10.3	10.5	10.5	10.5	10.4	10.1	9.02	7.84	6.61	5.37	4.16	3.03	2.00	1.13	0.44	1.00	1.76
75	10.4	10.5	10.5	10.5	10.5	10.3	10.1	9.77	8.66	7.47	6.24	5.02	3.83	2.72	1.73	0.89	0.25	0.84	1.62
80	11.2	11.4	11.5	11.6	11.6	11.5	11.3	10.9	9.70	8.37	7.00	5.62	4.29	3.03	1.91	0.95	0.21	0.86	1.72
85	12.1	12.3	12.5	12.6	12.6	12.6	12.4	12.1	10.8	9.30	7.79	6.27	4.79	3.40	2.14	1.06	0.21	0.88	1.78
90	12.8	13.1	13.2	13.4	13.4	13.4	13.2	12.9	11.5	9.92	8.30	6.67	5.09	3.59	2.23	1.07	0.15	0.83	1.75
95	14.2	14.7	15.1	15.5	15.7	15.9	16.0	15.8	14.1	12.3	10.3	8.37	6.43	4.58	2.87	1.38	0.17	0.82	1.75
100	15.9	16.7	17.6	18.4	19.1	19.7	20.1	20.3	18.4	16.2	13.9	11.5	9.14	6.83	4.68	2.75	1.13	1.65	2.49
105	17.7	19.0	20.3	21.5	22.7	23.8	24.6	25.1	23.0	20.6	18.0	15.3	12.5	9.85	7.29	4.96	2.95	3.26	3.92
110	21.1	22.4	23.9	25.3	26.6	27.7	28.6	29.1	26.9	24.4	21.6	18.7	15.7	12.8	10.0	7.46	5.23	5.33	5.79
115	26.0	27.1	28.3	29.5	30.5	31.3	31.9	32.1	29.8	27.1	24.3	21.3	18.3	15.3	12.5	9.92	7.65	7.60	7.92
120	31.5	32.1	32.7	33.3	33.7	33.9	33.9	33.6	31.2	28.6	25.8	22.9	20.1	17.3	14.7	12.3	10.3	10.3	10.7
125	38.2	38.0	37.8	37.4	36.9	36.2	35.3	34.2	31.8	29.2	26.5	23.8	21.2	18.8	16.5	14.5	12.9	13.2	13.8
130	44.9	43.8	42.6	41.2	39.6	37.9	36.0	34.1	31.6	29.1	26.6	24.3	22.0	20.0	18.2	16.8	15.6	16.2	17.2
135	48.8	47.1	45.2	43.0	40.7	38.3	35.8	33.3	30.9	28.6	26.4	24.4	22.6	21.1	19.8	18.8	18.2	19.1	20.4
140	49.6	47.6	45.3	42.7	40.0	37.3	34.5	31.8	29.7	27.8	26.1	24.6	23.3	22.2	21.4	20.9	20.8	21.9	23.2
145	48.5	46.3	43.7	41.0	38.1	35.2	32.4	29.6	28.0	26.6	25.4	24.4	23.6	23.2	22.9	23.0	23.3	24.5	26.0
150	46.4	44.1	41.5	38.8	35.9	33.0	30.3	27.6	26.5	25.6	24.9	24.4	24.2	24.3	24.5	25.0	25.7	26.9	28.4
155	42.5	40.5	38.2	35.9	33.4	31.0	28.7	26.5	25.8	25.4	25.2	25.2	25.4	25.8	26.4	27.2	28.1	29.3	30.7
160	37.2	35.8	34.2	32.6	30.9	29.3	27.8	26.5	26.2	26.1	26.3	26.5	27.0	27.6	28.3	29.1	30.0	31.3	32.6
165	32.7	31.9	31.0	30.1	29.2	28.3	27.6	26.9	27.0	27.2	27.5	28.0	28.5	29.2	29.9	30.7	31.6	32.7	33.8
170	29.1	28.7	28.4	28.1	27.8	27.6	27.5	27.4	27.7	28.2	28.7	29.2	29.9	30.5	31.3	32.0	32.8	33.7	34.6
175	28.2	28.2	28.2	28.2	28.3	28.5	28.7	28.9	29.3	29.8	30.3	30.8	31.4	32.0	32.6	33.1	33.7	34.3	34.9
180	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GEN10	TYPE:5000K	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	984	981	978	975	972	970	967	966	965	965	964	964	965	965	966				
5	853	837	820	805	789	775	761	751	742	735	728	723	719	716	714				
10	643	624	605	586	567	550	533	521	510	500	491	484	477	472	468				
15	447	436	424	412	400	389	378	370	362	355	349	343	338	333	330				
20	303	298	294	288	283	278	272	268	265	261	257	253	250	247	243				
25	192	192	191	190	189	188	186	185	183	181	179	177	174	172	169				
30	115	116	118	118	119	119	120	119	119	118	117	116	115	113	111				
35	66.0	67.5	68.8	70.0	71.1	71.9	72.7	72.9	73.0	72.8	72.5	71.9	71.2	70.2	69.1				
40	36.7	37.7	38.6	39.5	40.3	41.0	41.8	42.1	42.3	42.5	42.5	42.4	42.2	42.0	41.6				
45	20.5	21.2	22.0	22.9	23.7	24.5	25.3	25.7	26.1	26.3	26.5	26.7	26.8	26.8	26.7				
50	11.4	12.3	13.2	14.3	15.3	16.3	17.2	17.7	18.1	18.4	18.6	18.8	18.9	18.9	18.8				
55	6.69	7.65	8.69	9.77	10.9	11.9	13.0	13.4	13.8	14.1	14.3	14.4	14.5	14.4	14.3				
60	4.50	5.42	6.41	7.45	8.51	9.56	10.6	11.1	11.5	11.8	12.1	12.3	12.4	12.4	12.4				
65	3.41	4.33	5.33	6.38	7.45	8.50	9.52	10.0	10.5	10.8	11.1	11.3	11.5	11.5	11.5				
70	2.67	3.70	4.82	5.98	7.16	8.31	9.40	9.90	10.3	10.6	10.8	11.0	11.0	10.9	10.7				
75	2.56	3.63	4.77	5.96	7.16	8.34	9.45	9.97	10.4	10.7	10.9	11.0	11.1	11.0	10.8				
80	2.76	3.93	5.19	6.50	7.82	9.11	10.3	10.9	11.3	11.6	11.8	11.9	11.9	11.7	11.5				
85	2.88	4.12	5.45	6.85	8.26	9.63	10.9	11.5	12.0	12.3	12.5	12.6	12.6	12.4	12.2				
90	2.88	4.16	5.55	7.01	8.48	9.92	11.3	11.9	12.4	12.8	13.1	13.2	13.2	13.1	12.9				
95	2.91	4.26	5.74	7.31	8.90	10.5	12.0	12.6	13.2	13.6	13.9	14.1	14.2	14.1	13.9				
100	3.60	4.93	6.41	8.00	9.64	11.3	12.8	13.5	14.1	14.6	14.9	15.1	15.2	15.2	15.1				
105	4.87	6.06	7.43	8.93	10.5	12.1	13.6	14.3	14.9	15.4	15.8	16.1	16.4	16.5	16.5				
110	6.56	7.59	8.82	10.2	11.7	13.2	14.8	15.6	16.3	17.0	17.6	18.2	18.7	19.1	19.5				
115	8.56	9.48	10.6	12.0	13.4	15.0	16.6	17.6	18.7	19.7	20.7	21.8	22.8	23.8	24.9				
120	11.4	12.5	13.7	15.2	16.8	18.6	20.5	21.8	23.2	24.7	26.2	27.7	29.3	30.9	32.5				
125	14.8	16.1	17.6	19.4	21.3	23.4	25.6	27.3	29.0	30.9	32.8	34.7	36.7	38.8	40.9				
130	18.5	20.1	21.9	24.0	26.2	28.5	30.9	32.9	34.8	36.8	38.9	41.0	43.1	45.3	47.6				
135	22.0	23.8	25.9	28.2	30.6	33.1	35.6	37.6	39.5	41.5	43.4	45.4	47.4	49.3	51.3				
140	24.9	26.8	28.9	31.1	33.4	35.8	38.3	40.1	42.0	43.8	45.7	47.5	49.3	51.0	52.8				
145	27.7	29.6	31.6	33.7	35.9	38.1	40.3	42.0	43.6	45.2	46.8	48.3	49.7	51.1	52.5				
150	30.0	31.7	33.5	35.4	37.3	39.2	41.1	42.5	43.8	45.1	46.4	47.6	48.7	49.7	50.7				
155	32.1	33.7	35.2	36.8	38.4	39.9	41.4	42.5	43.4	44.3	45.0	45.7	46.3	46.8	47.2				
160	33.9	35.3	36.6	37.9	39.2	40.3	41.4	41.9	42.4	42.7	42.8	42.8	42.7	42.5	42.1				
165	35.0	36.1	37.1	38.1	39.0	39.8	40.4	40.5	40.5	40.3	39.9	39.3	38.6	37.7	36.7				
170	35.5	36.4	37.1	37.8	38.3	38.7	39.0	38.7	38.3	37.7	36.9	36.0	34.8	33.5	32.0				
175	35.4	35.9	36.3	36.6	36.8	36.9	36.9	36.5	36.0	35.4	34.6	33.7	32.6	31.4	30.0				
180	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8				

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: