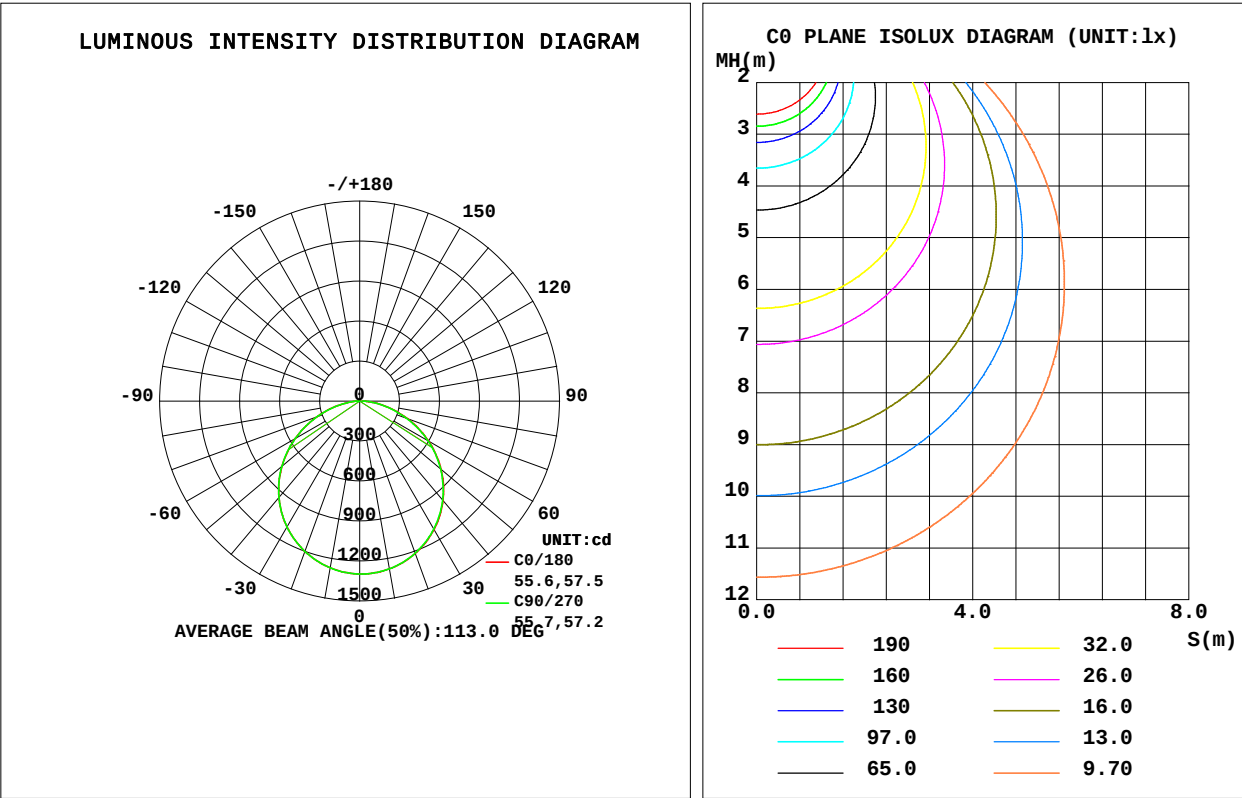


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.13 lm/W			
MODEL	--	I _{max} (cd)	1297	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)		TOTAL FLUX(lm)	3731.8	η UP,DN(C0-180)	0.0,51.3
NOMINAL FLUX(lm)	3731.76	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [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	1279	1280	1278	1276	1271	1269	1271	1273	0- 10	122.7	122.7	3.29, 3.29
20	1218	1220	1216	1213	1202	1198	1202	1205	10- 20	352.0	474.8	12.7, 12.7
30	1115	1118	1111	1107	1091	1086	1091	1097	20- 30	534.8	1010	27.1, 27.1
40	973.5	977.8	969.5	962.7	942.7	936.1	943.4	950.8	30- 40	646.8	1656	44.4, 44.4
50	798.0	802.9	793.1	784.7	761.9	754.8	763.1	772.4	40- 50	672.2	2329	62.4, 62.4
60	594.9	600.2	589.4	579.4	556.4	546.6	557.2	565.3	50- 60	606.5	2935	78.7, 78.7
70	377.6	382.0	370.3	360.1	337.6	326.0	335.8	345.2	60- 70	459.6	3395	91, 91
80	171.9	174.7	164.5	155.0	132.2	122.8	130.3	138.1	70- 80	262.4	3657	98, 98
90	20.61	22.83	19.82	16.64	1.796	1.870	1.827	1.854	80- 90	74.68	3732	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1995 lm

%lum = 53.5%

%lamp = 53.5%

Conical surface Flux(120deg): 2935.1 lm

%lum = 78.7%

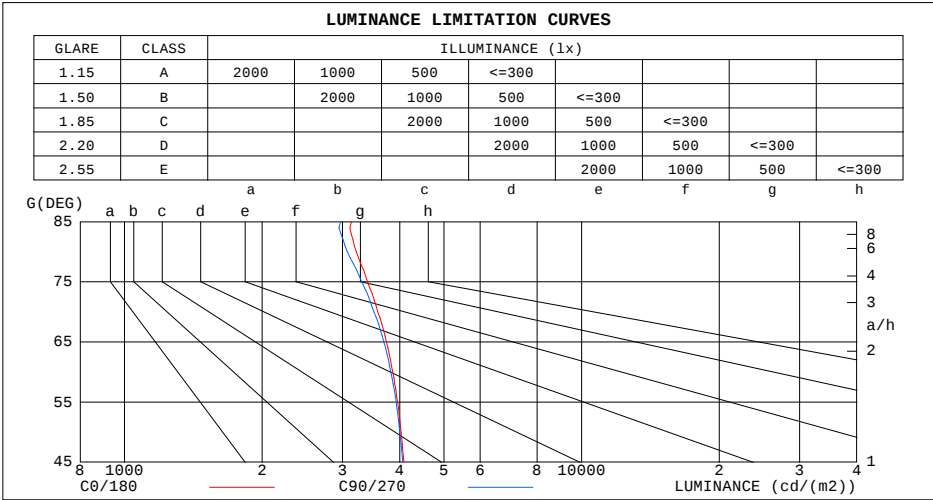
%lamp = 78.7%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 6.790m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:



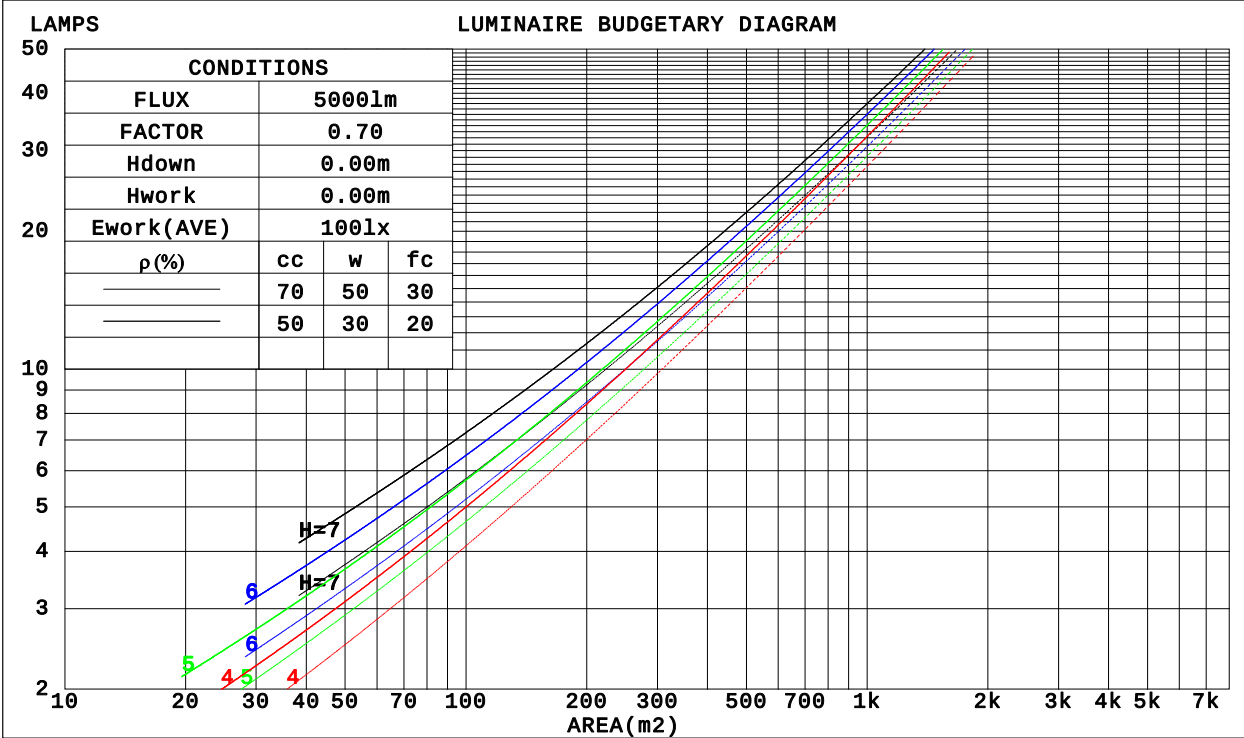
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.311	.177	.056	.304	.174	.055	.291	.167	.053	.279	.161	.052	.268	.155	.050	
2.0	.293	.160	.049	.286	.158	.049	.275	.153	.047	.264	.148	.046	.254	.144	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:LPB6060-WHTC40-3000K					DIM.: 0.5950*0.595			SERIAL No.:			
MFR.: EVERFINE					SUR.:0.555*0.555			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	13.2	14.7	13.5	14.9	15.2	13.2	14.7	13.5	14.9	15.1	
	3H	14.8	16.2	15.1	16.4	16.7	14.7	16.1	15.0	16.4	
	4H	15.4	16.8	15.7	17.0	17.3	15.4	16.7	15.7	17.0	
	6H	15.9	17.2	16.3	17.5	17.7	15.8	17.1	16.2	17.4	
	8H	16.1	17.3	16.5	17.6	17.9	16.0	17.2	16.3	17.5	
	12H	16.2	17.4	16.6	17.7	18.0	16.1	17.3	16.5	17.6	
4H	2H	13.9	15.2	14.2	15.4	15.7	13.8	15.2	14.1	15.4	
	3H	15.6	16.8	16.0	17.1	17.4	15.6	16.7	15.9	17.0	
	4H	16.4	17.5	16.8	17.8	18.1	16.3	17.4	16.7	17.7	
	6H	17.0	18.0	17.4	18.3	18.7	16.9	17.9	17.3	18.2	
	8H	17.3	18.2	17.7	18.5	18.9	17.2	18.0	17.6	18.4	
	12H	17.4	18.3	17.9	18.7	19.1	17.3	18.1	17.8	18.5	
8H	4H	16.7	17.6	17.1	17.9	18.3	16.6	17.5	17.0	17.9	
	6H	17.5	18.2	17.9	18.6	19.1	17.4	18.1	17.8	18.5	
	8H	17.8	18.5	18.3	18.9	19.4	17.7	18.4	18.2	18.8	
	12H	18.1	18.7	18.6	19.1	19.6	18.0	18.6	18.5	19.0	
12H	4H	16.7	17.5	17.1	17.9	18.3	16.6	17.5	17.1	17.9	
	6H	17.6	18.2	18.0	18.6	19.1	17.5	18.1	17.9	18.6	
	8H	18.0	18.5	18.4	19.0	19.4	17.9	18.4	18.3	18.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117, 3732 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.6)
Area: 0.308025 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:

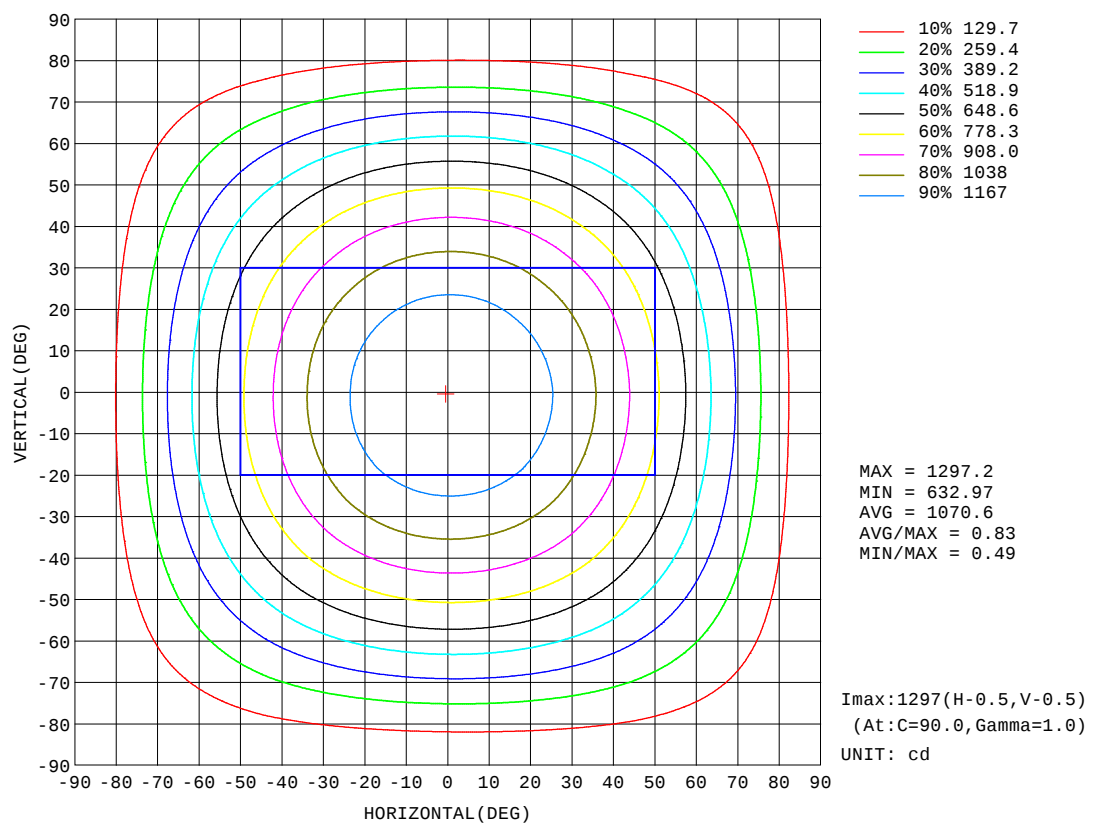
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	69	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:6.790m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:



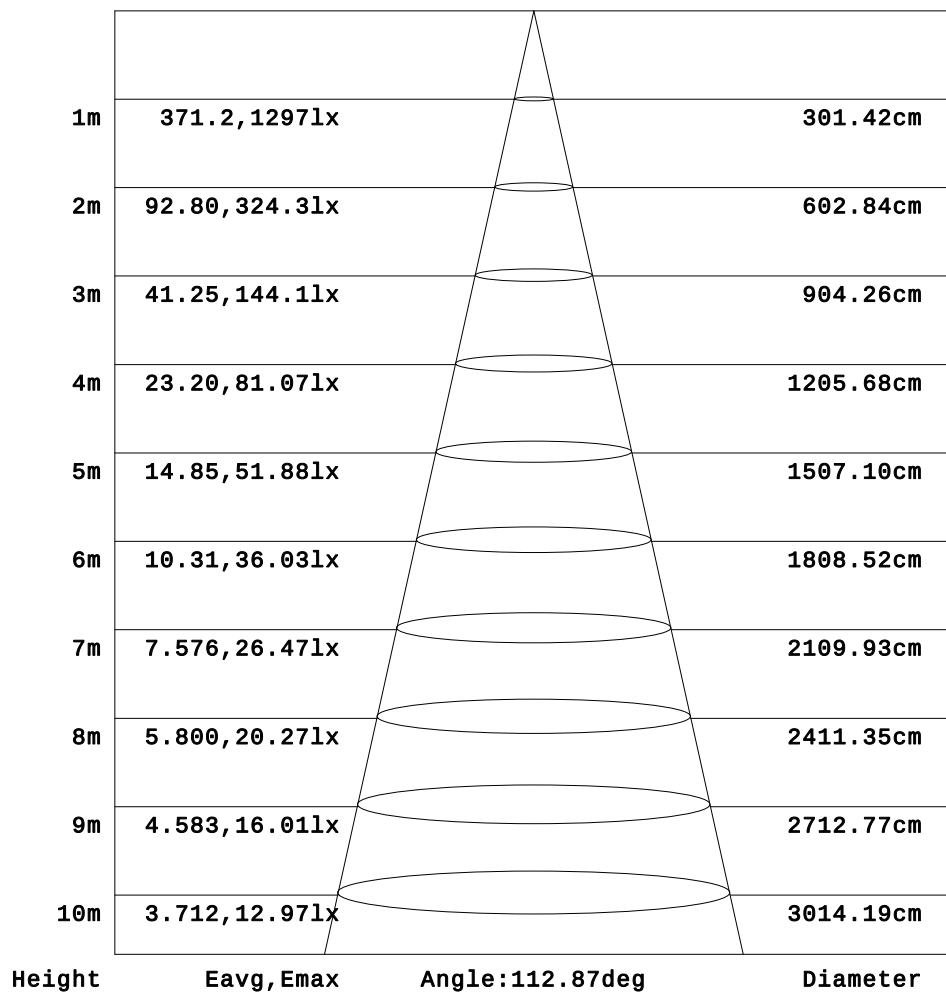
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:

Flux out:2765 lm



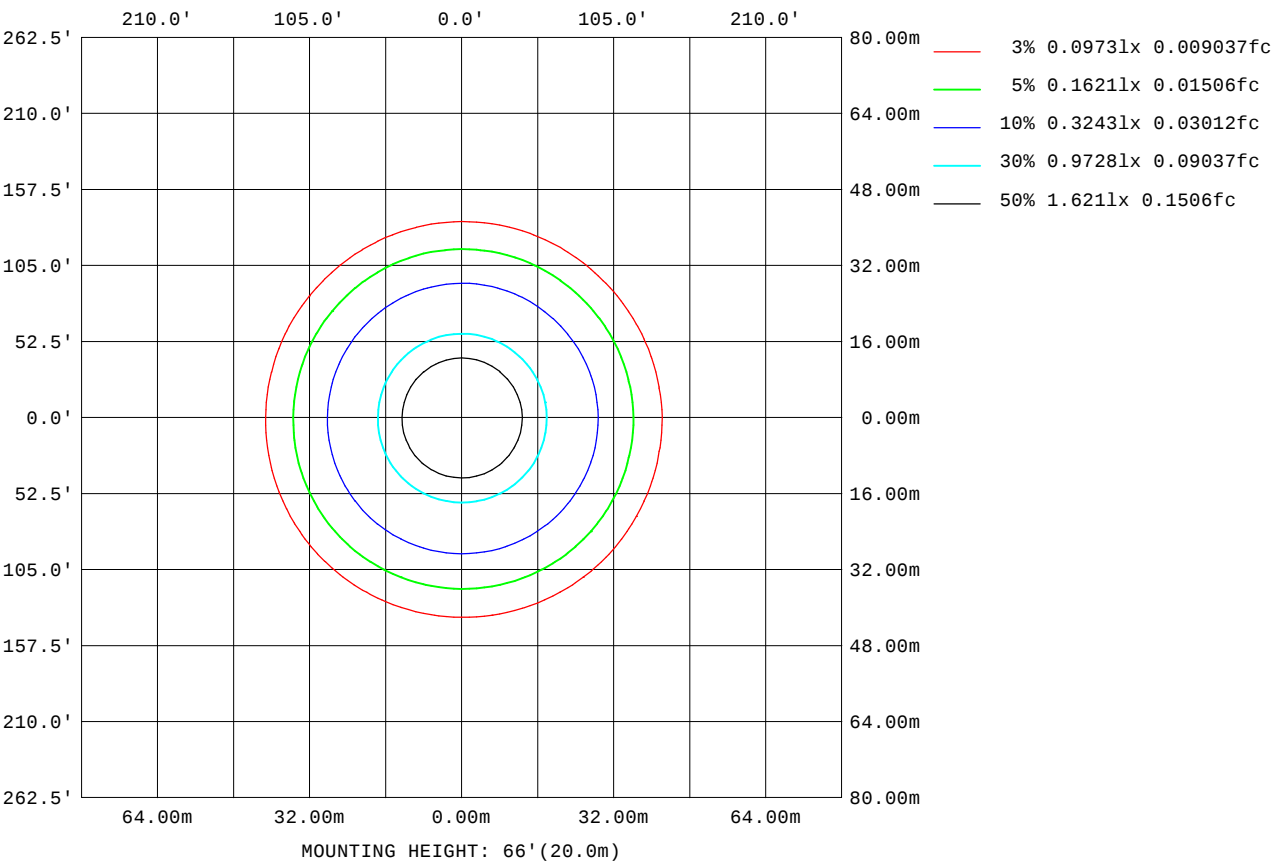
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:6.790m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.39V I:0.1717A P:36.901W PF:0.9798 Freq:49.99Hz Lamp Flux:3731.76x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB6060-WHTC40-3000K	DIM.: 0.5950*0.595	SERIAL No.:
MFR.: EVERFINE	SUR.:0.555*0.555	Shielding Angle:

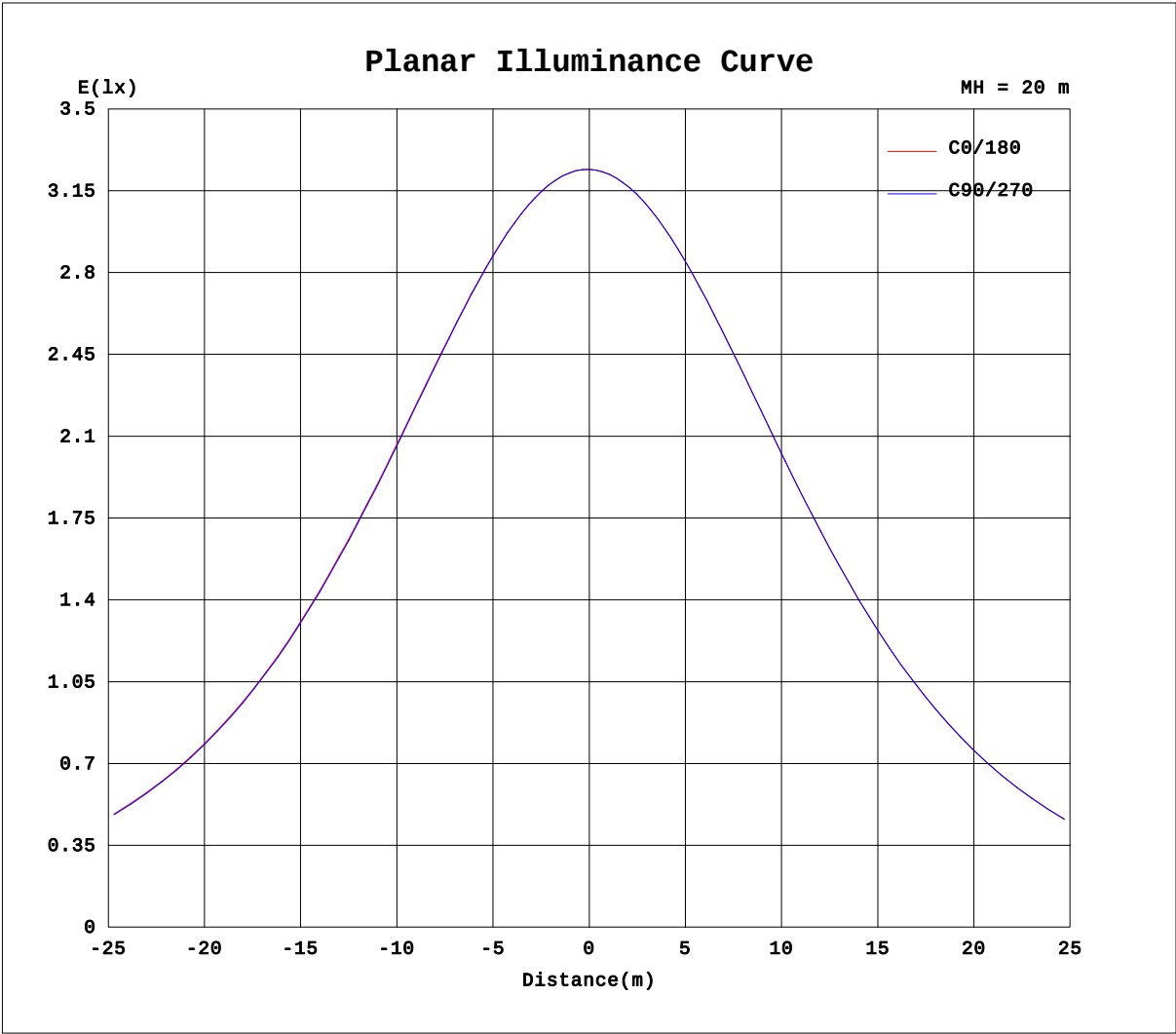
AvgL	cd/m2
L_0~180(65)av	3588
L_0~180(75)av	3151
L_0~180(85)av	2421
L_90~270(65)av	3563
L_90~270(75)av	3085
L_90~270(85)av	2344
L_45(65)av	3560
L_45(75)av	3086
L_45(85)av	2351

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	1297	1297	1297	1297	1297	1297	1297	1297
3.0	1296	1296	1296	1295	1294	1293	1294	1294
6.0	1291	1292	1291	1290	1287	1285	1287	1288
9.0	1283	1284	1282	1281	1276	1274	1276	1277
12.0	1270	1272	1269	1267	1260	1258	1260	1263
15.0	1254	1255	1252	1250	1242	1239	1242	1244
18.0	1233	1235	1232	1229	1219	1216	1218	1222
21.0	1209	1211	1207	1204	1193	1189	1192	1196
24.0	1181	1184	1178	1175	1162	1158	1162	1167
27.0	1150	1152	1147	1143	1128	1123	1128	1133
30.0	1115	1118	1111	1107	1091	1086	1091	1097
33.0	1077	1079	1072	1067	1050	1045	1050	1057
36.0	1035	1038	1030	1025	1006	1001	1007	1014
39.0	988.7	993.4	984.7	978.8	959.1	952.8	959.7	967.2
42.0	940.8	945.6	936.4	929.7	909.5	902.7	910.4	918.4
45.0	889.6	894.7	885.3	878.0	856.1	849.2	857.3	865.6
48.0	835.4	840.6	830.7	823.1	800.4	793.2	801.5	810.5
51.0	778.8	783.8	773.9	765.2	742.7	734.8	744.0	753.3
54.0	719.5	724.4	714.5	705.1	682.2	674.4	683.3	692.8
57.0	658.4	663.4	653.2	643.4	620.2	611.3	621.1	629.3
60.0	594.9	600.2	589.4	579.4	556.4	546.6	557.2	565.3
63.0	530.8	535.6	524.8	514.3	490.6	481.0	490.8	500.8
66.0	465.3	470.3	458.9	448.6	425.1	414.7	424.4	434.6
69.0	399.5	403.7	392.5	381.8	359.6	348.2	358.1	367.7
72.0	334.9	338.1	327.3	316.4	294.0	283.3	291.7	301.7
75.0	271.2	274.4	263.4	253.1	231.3	219.8	228.6	237.0
78.0	210.7	213.4	202.8	192.8	170.7	160.2	168.2	176.5
81.0	153.5	156.0	146.4	136.8	112.3	104.9	110.9	119.4
84.0	100.2	102.2	94.84	85.74	60.75	55.68	61.33	68.69
87.0	54.87	58.04	51.32	45.18	19.75	16.30	19.90	26.92
90.0	20.61	22.83	19.82	16.64	1.796	1.870	1.827	1.854

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2025-05-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 6.790m [K=1.0000]
 Remarks: