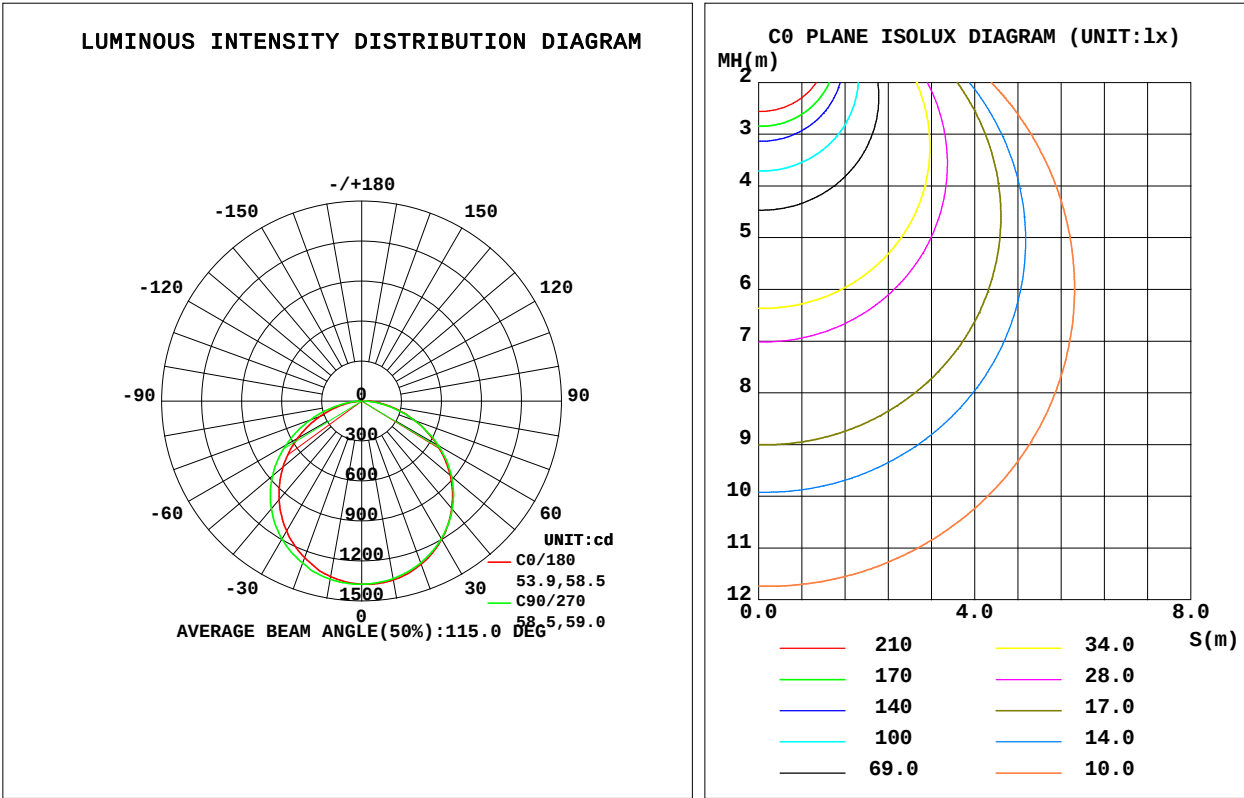


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.04 lm/W			
MODEL	--	I _{max} (cd)	1376	S/MH(C0/180)	1.23
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	4051.0	η UP, DN(C0-180)	0.0,51.2
NOMINAL FLUX(lm)	4050.96	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,48.8
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:2024-01-11

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	1363	1361	1353	1349	1338	1344	1357	1358	0- 10	130.2	130.2	3.21, 3.21
20	1304	1306	1293	1276	1251	1272	1295	1299	10- 20	374.1	504.3	12.4, 12.4
30	1200	1202	1195	1168	1127	1158	1196	1198	20- 30	571.0	1075	26.5, 26.5
40	1052	1062	1058	1021	964.6	1003	1056	1055	30- 40	695.7	1771	43.7, 43.7
50	868.0	881.1	880.8	834.7	770.9	810.6	874.0	873.4	40- 50	729.3	2500	61.7, 61.7
60	653.8	665.5	663.7	615.7	554.6	587.9	653.7	656.5	50- 60	664.2	3165	78.1, 78.1
70	420.9	428.8	417.1	379.1	329.1	347.2	407.3	415.0	60- 70	507.0	3672	90.6, 90.6
80	201.6	200.8	185.4	156.8	120.7	128.1	167.2	182.1	70- 80	292.8	3964	97.9, 97.9
90	34.05	31.55	25.93	24.16	1.321	1.527	1.387	7.538	80- 90	86.56	4051	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): 2137.6 lm

%lum = 52.8%

%lamp = 52.8%

Conical surface Flux(120deg): 3164.5 lm

%lum = 78.1%

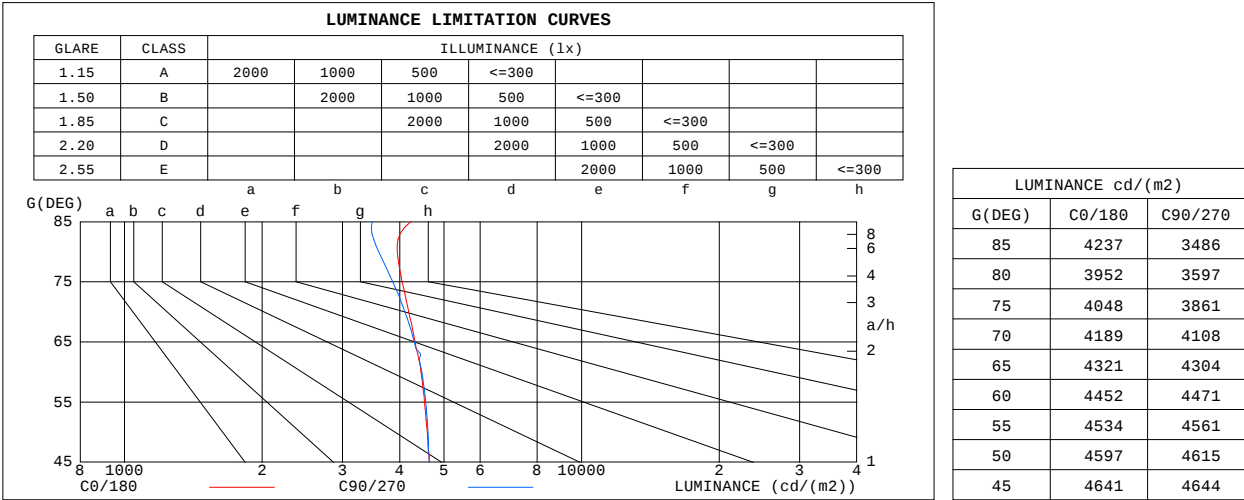
%lamp = 78.1%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:



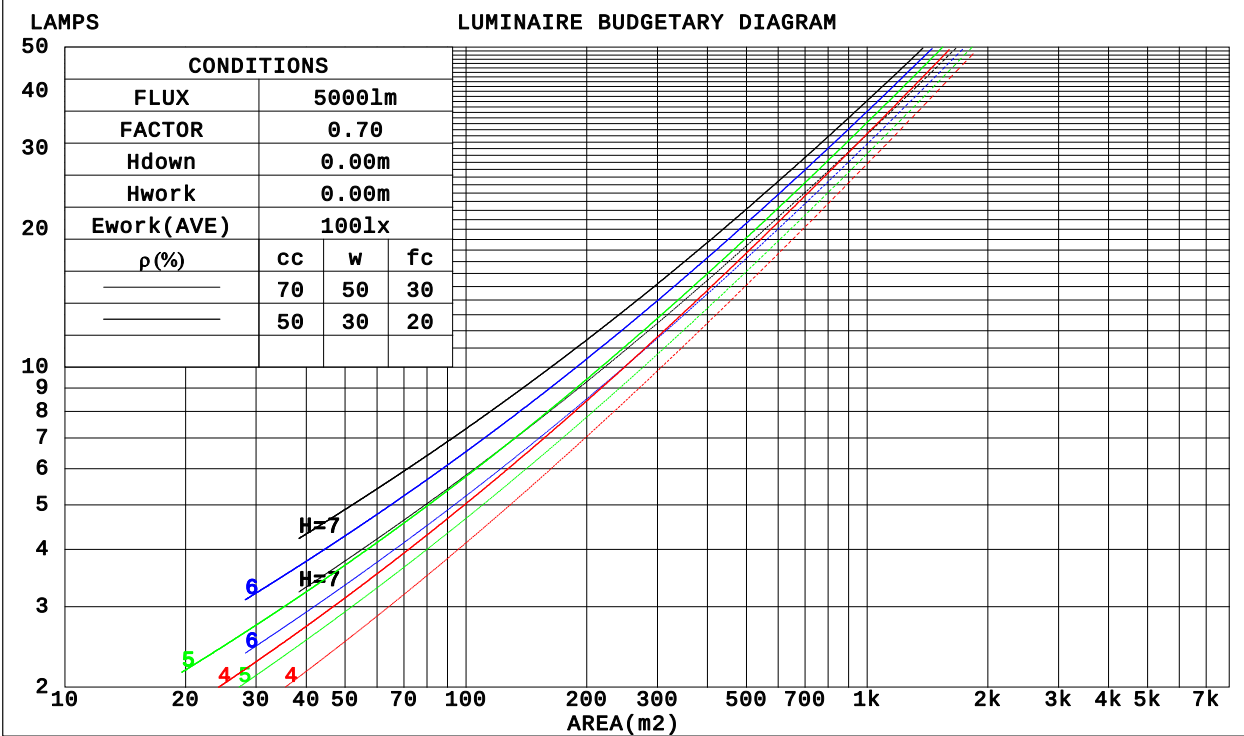
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	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	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm					
NAME:			TYPE:		WEIGHT:
SPEC.:LPB NEW 36W-6000K			DIM.: 1195*295		SERIAL No.:
MFR.: EVERFINE			SUR.:1155*255		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	.315	.179	.057	.308	.175	.056	.294	.169	.054	.282	.163	.052	.271	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.110	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.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	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.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	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.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:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:LPB NEW 36W-6000K					DIM.: 1195*295			SERIAL No.:			
MFR.: EVERFINE					SUR.:1155*255			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	13.5	15.1	13.8	15.3	15.5	13.5	15.1	13.8	15.3	15.5	
	3H	15.1	16.5	15.4	16.8	17.0	15.1	16.5	15.4	16.8	17.0
	4H	15.8	17.1	16.1	17.4	17.7	15.7	17.1	16.0	17.3	17.6
	6H	16.3	17.6	16.7	17.9	18.2	16.2	17.5	16.5	17.8	18.0
	8H	16.5	17.8	16.9	18.1	18.3	16.4	17.6	16.7	17.9	18.2
	12H	16.7	17.9	17.1	18.2	18.5	16.5	17.7	16.8	18.0	18.3
4H	2H	14.2	15.5	14.5	15.8	16.1	14.2	15.6	14.5	15.8	16.1
	3H	16.0	17.2	16.3	17.5	17.8	16.0	17.1	16.3	17.4	17.7
	4H	16.8	17.9	17.2	18.2	18.5	16.7	17.8	17.1	18.1	18.5
	6H	17.5	18.4	17.9	18.8	19.1	17.3	18.3	17.7	18.7	19.0
	8H	17.7	18.6	18.2	19.0	19.4	17.6	18.5	18.0	18.8	19.2
	12H	18.0	18.8	18.4	19.2	19.6	17.7	18.6	18.2	19.0	19.4
8H	4H	17.1	18.0	17.5	18.4	18.8	17.0	17.9	17.5	18.3	18.7
	6H	18.0	18.7	18.4	19.1	19.5	17.8	18.6	18.3	19.0	19.4
	8H	18.3	19.0	18.8	19.4	19.9	18.2	18.8	18.6	19.3	19.7
	12H	18.7	19.3	19.2	19.7	20.2	18.4	19.0	18.9	19.5	19.9
12H	4H	17.1	18.0	17.6	18.3	18.7	17.1	17.9	17.5	18.3	18.7
	6H	18.0	18.7	18.5	19.1	19.6	17.9	18.6	18.4	19.0	19.5
	8H	18.5	19.1	19.0	19.5	20.0	18.3	18.9	18.8	19.3	19.8
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 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117, 4051 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.9)
Area: 0.294525 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:

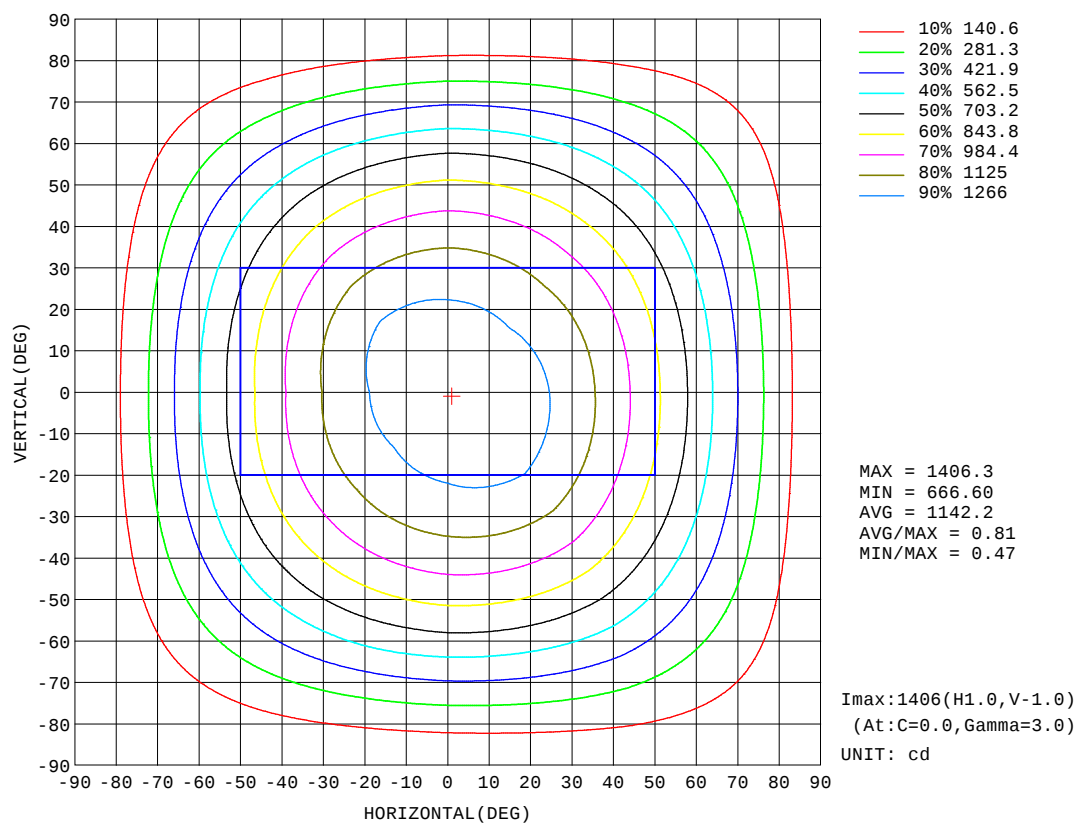
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	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:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:



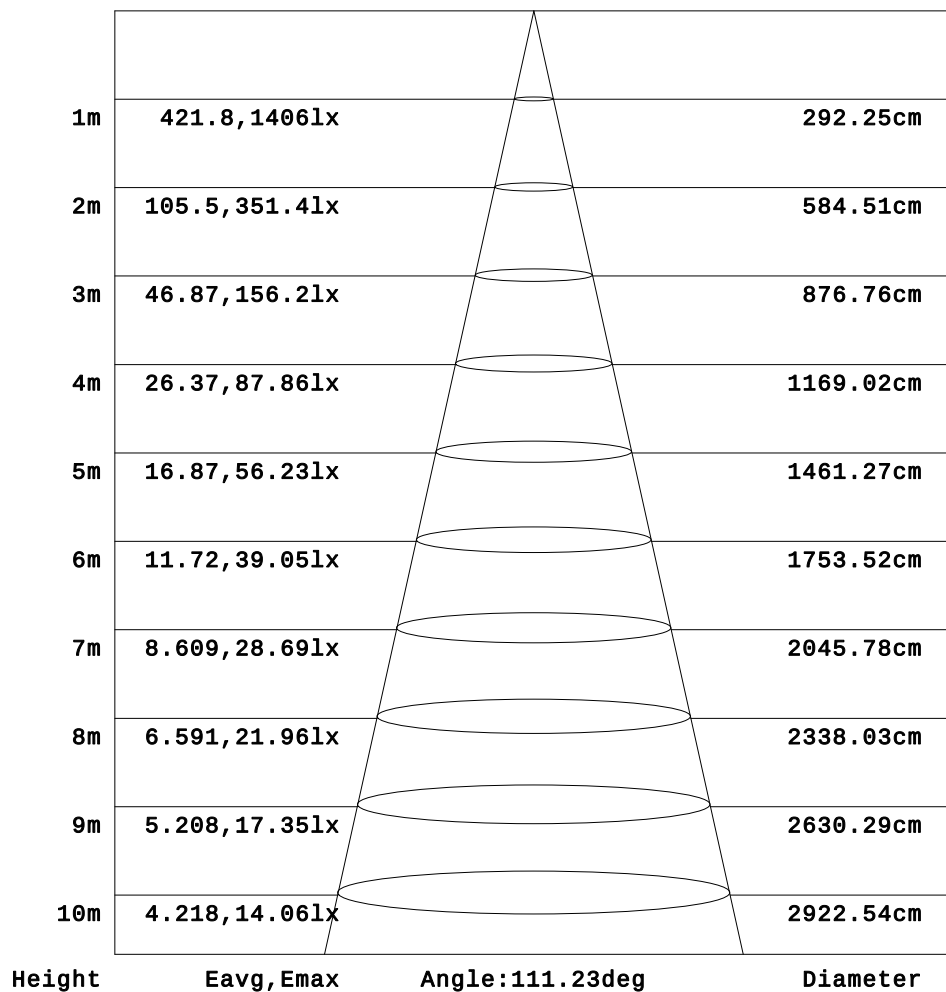
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:

Flux out:2913 lm



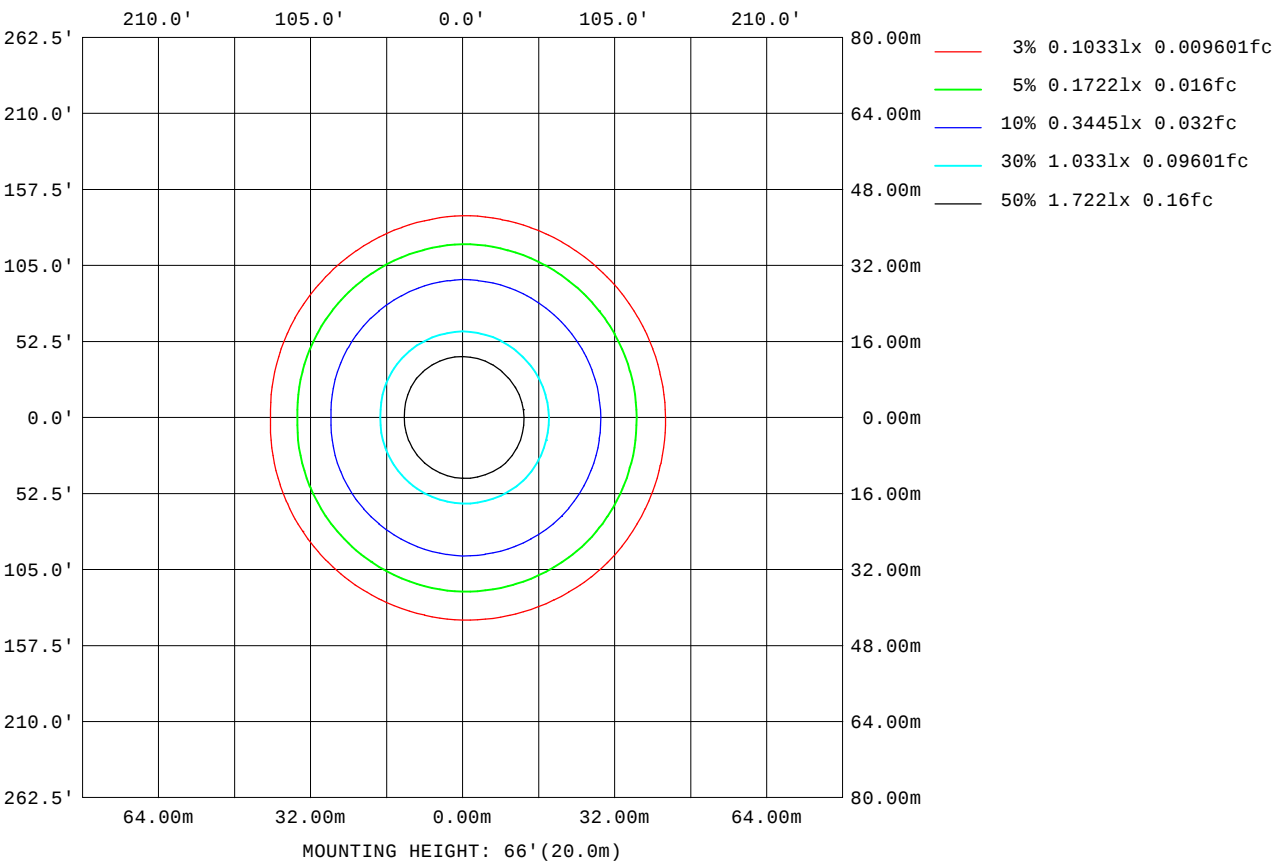
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:221.30V I:0.1684A P:36.157W PF:0.9704 Freq:49.99Hz Lamp Flux:4050.96x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:LPB NEW 36W-6000K	DIM.: 1195*295	SERIAL No.:
MFR.: EVERFINE	SUR.:1155*255	Shielding Angle:

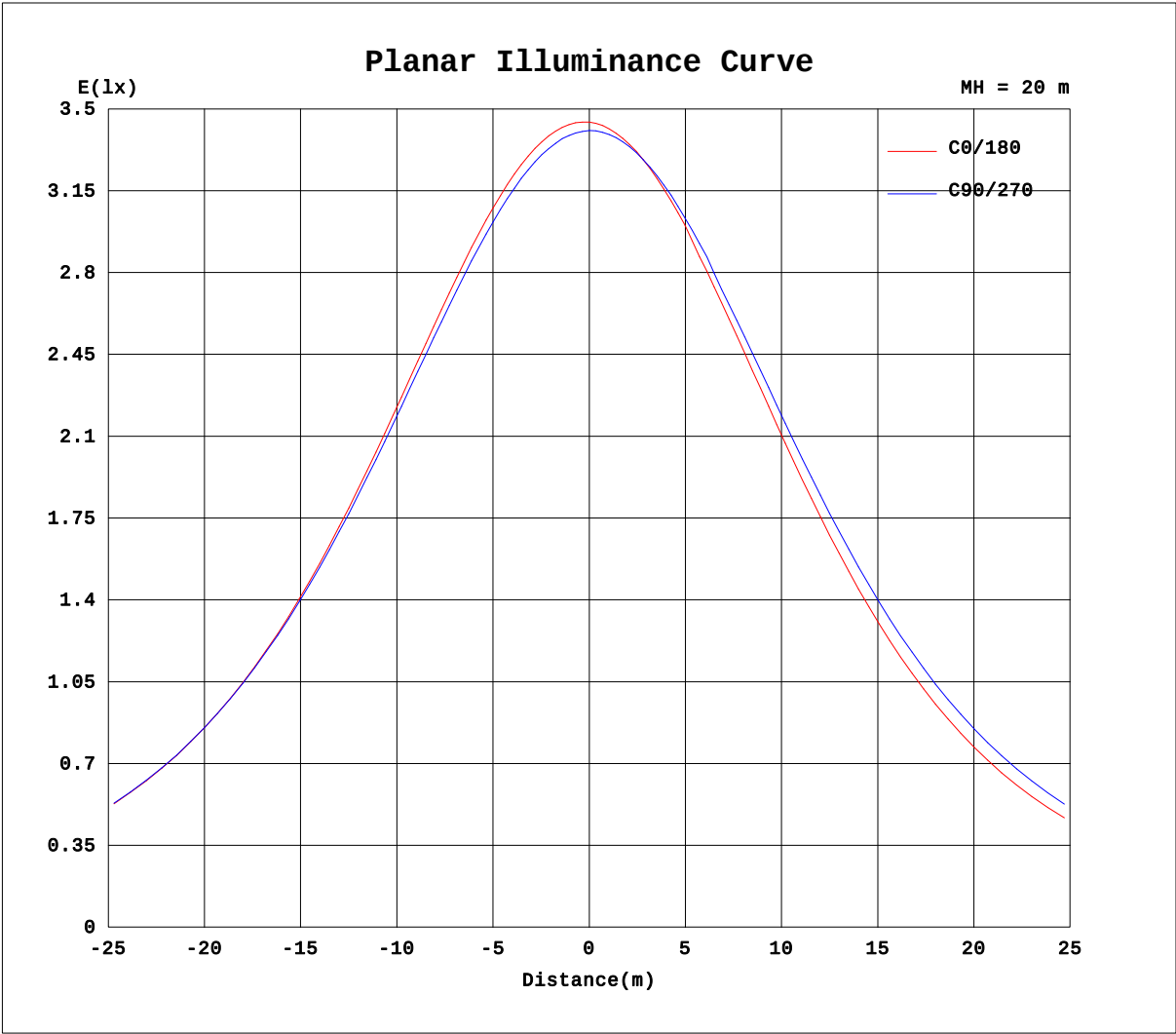
AvgL	cd/m2
L_0~180(65)av	3928
L_0~180(75)av	3468
L_0~180(85)av	2810
L_90~270(65)av	4307
L_90~270(75)av	3808
L_90~270(85)av	3006
L_45(65)av	4114
L_45(75)av	3612
L_45(85)av	2856

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2024-01-11

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:2024-01-11

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:

Range: 0 - 90DEG
 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	1374	1374	1374	1374	1374	1374	1374	1374
3.0	1376	1375	1372	1371	1368	1370	1373	1373
6.0	1373	1372	1366	1364	1358	1361	1369	1369
9.0	1366	1364	1356	1353	1344	1349	1361	1362
12.0	1355	1355	1344	1339	1325	1334	1350	1350
15.0	1339	1339	1327	1314	1300	1314	1334	1334
18.0	1320	1320	1307	1292	1271	1290	1312	1314
21.0	1296	1298	1284	1267	1241	1263	1286	1291
24.0	1268	1267	1258	1237	1207	1231	1260	1263
27.0	1236	1236	1228	1204	1169	1197	1230	1233
30.0	1200	1202	1195	1168	1127	1158	1196	1198
33.0	1160	1165	1158	1128	1082	1116	1158	1160
36.0	1115	1123	1117	1084	1034	1071	1117	1118
39.0	1068	1078	1074	1037	982.5	1020	1072	1071
42.0	1018	1029	1026	986.9	928.3	967.3	1022	1022
45.0	964.0	976.5	974.9	932.5	871.1	911.0	970.0	968.9
48.0	907.2	920.2	919.4	874.9	811.9	850.6	913.4	911.2
51.0	847.4	861.0	860.9	814.3	750.7	789.8	853.8	853.4
54.0	785.5	798.6	798.4	750.5	686.6	725.0	790.1	790.9
57.0	720.5	733.6	732.5	684.7	621.0	657.2	723.0	724.1
60.0	653.8	665.5	663.7	615.7	554.6	587.9	653.7	656.5
63.0	584.0	595.3	599.3	545.3	486.5	513.7	581.0	585.1
66.0	513.2	524.7	515.4	474.4	418.8	442.3	507.1	512.0
69.0	444.0	452.3	441.6	402.3	351.5	370.7	432.5	439.2
72.0	375.5	380.7	368.6	331.7	284.6	300.9	357.0	367.0
75.0	307.8	310.8	296.7	263.0	220.9	232.4	283.8	295.1
78.0	243.2	243.4	228.6	197.5	159.5	168.4	212.6	226.6
81.0	181.7	180.1	165.0	137.2	101.6	109.0	145.3	161.0
84.0	125.7	122.5	107.6	82.78	51.29	56.82	83.09	99.61
87.0	75.40	72.08	57.53	39.20	11.64	13.82	30.00	47.41
90.0	34.05	31.55	25.93	24.16	1.321	1.527	1.387	7.538

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2024-01-11

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: