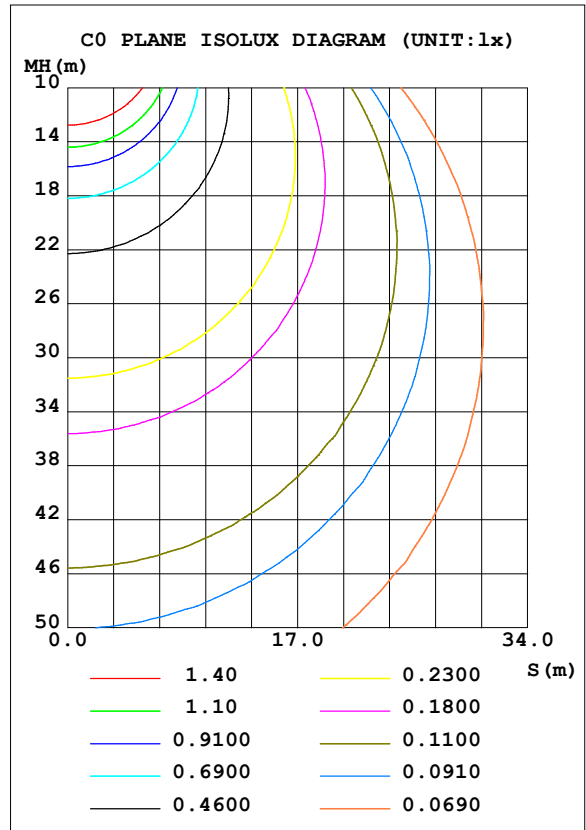
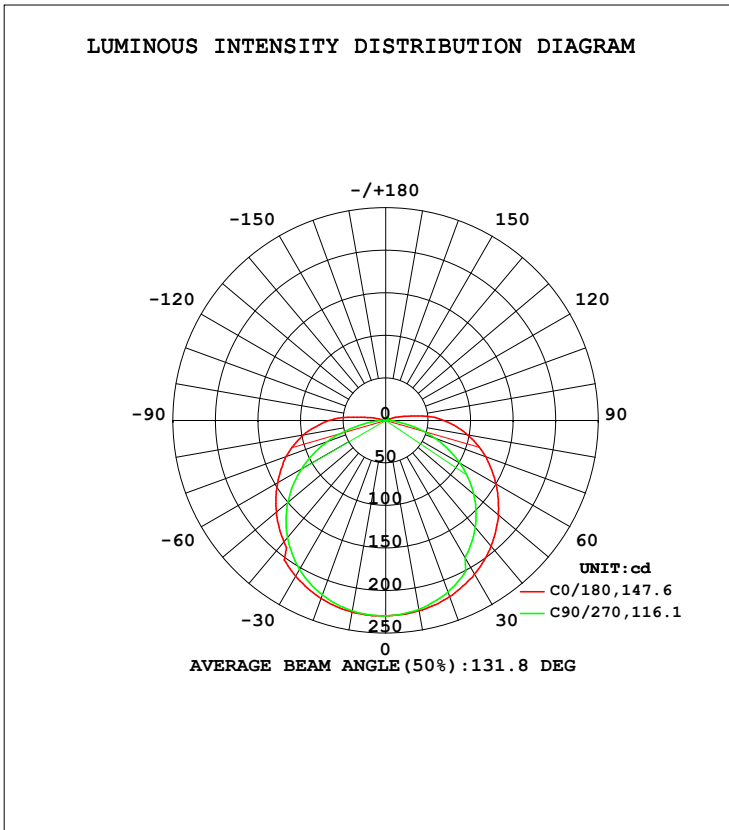


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.17 lm/W			
MODEL	24V灯带	I _{max} (cd)	229.9	S/MH (C0/180)	1.37
NOMINAL POWER (W)	10.4	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	851.65	η UP, DN (C0-180)	2.9, 46.6
NOMINAL FLUX (lm)	851.654	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.3, 48.2
LAMPS INSIDE	1	η up (%)	5.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	94.8	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 9.430m [K=1.0000]
 Remarks: 24V灯带

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	%lum, lamp
10	226.9	225.3	228.7	227.2				0- 10	21.80	21.80	2.56,2.56
20	220.3	214.4	222.5	218.1				10- 20	63.21	85.01	9.98,9.98
30	208.7	186.5	211.5	202.4				20- 30	97.92	182.9	21.5,21.5
40	192.8	163.8	186.0	179.6				30- 40	120.5	303.5	35.6,35.6
50	172.9	135.1	167.7	150.2				40- 50	130.6	434.0	51,51
60	149.7	100.9	146.6	114.5				50- 60	127.6	561.6	65.9,65.9
70	125.2	62.13	124.9	73.35				60- 70	111.2	672.8	79,79
80	97.90	22.82	98.39	28.97				70- 80	83.23	756.1	88.8,88.8
90	68.22	0.9248	66.55	2.025				80- 90	50.99	807.0	94.8,94.8
100	30.42	1.130	21.54	1.001				90-100	26.57	833.6	97.9,97.9
110	8.683	1.487	1.773	1.387				100-110	7.601	841.2	98.8,98.8
120	2.188	1.898	2.063	1.784				110-120	2.180	843.4	99,99
130	2.483	2.300	2.374	2.185				120-130	1.935	845.3	99.3,99.3
140	2.739	2.667	2.654	2.552				130-140	1.929	847.3	99.5,99.5
150	2.964	2.974	2.894	2.855				140-150	1.749	849.0	99.7,99.7
160	3.174	3.182	3.110	3.107				150-160	1.401	850.4	99.9,99.9
170	3.340	3.341	3.310	3.301				160-170	0.9157	851.3	100,100
180	3.415	3.395	3.400	3.415				170-180	0.3208	851.7	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT: lm		

Conical surface Flux(90deg): 368.21 lm

%lum = 43.2%
 %lamp = 43.2%

Conical surface Flux(120deg): 561.63 lm

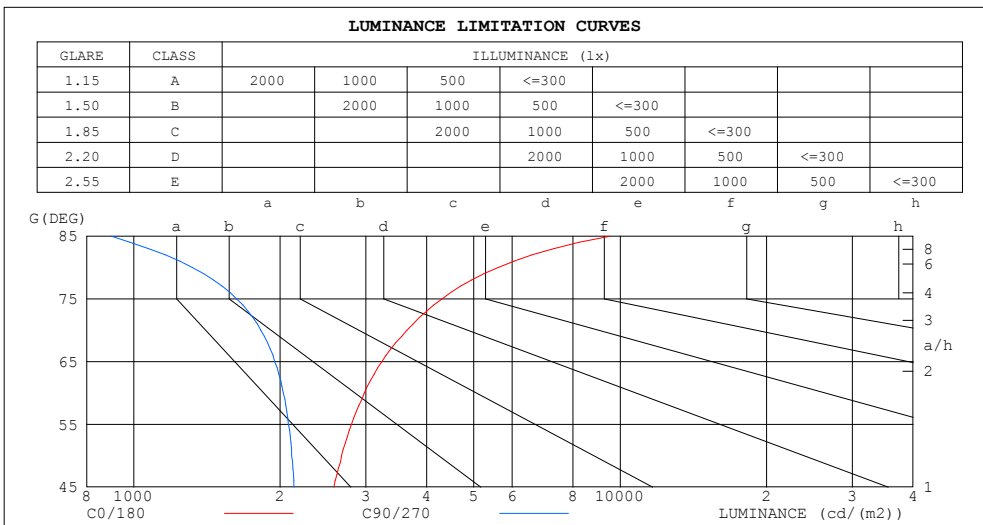
%lum = 65.9%
 %lamp = 65.9%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:9.430m [K=1.0000]
 Remarks: 24V灯带

LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9545	900
80	5609	1321
75	4304	1628
70	3643	1826
65	3238	1949
60	2978	2028
55	2804	2079
50	2676	2112
45	2579	2134

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:9.430m [K=1.0000]
 Remarks: 24V灯带

WEC AND CCEC

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz		
Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.371	.211	.067	.363	.207	.066	.346	.198	.063	.331	.191	.061	.317	.184	.059	
2.0	.329	.180	.055	.321	.177	.055	.306	.170	.053	.293	.164	.051	.280	.159	.050	
3.0	.296	.157	.047	.289	.155	.047	.275	.149	.045	.263	.144	.044	.252	.139	.043	
4.0	.268	.139	.041	.261	.137	.040	.250	.132	.040	.239	.128	.039	.228	.124	.038	
5.0	.244	.124	.036	.239	.122	.036	.228	.119	.035	.218	.115	.034	.209	.112	.034	
6.0	.224	.112	.032	.219	.111	.032	.210	.107	.031	.201	.104	.031	.192	.101	.030	
7.0	.207	.102	.029	.203	.101	.029	.194	.098	.028	.186	.095	.028	.178	.093	.027	
8.0	.192	.094	.026	.188	.093	.026	.180	.090	.026	.173	.088	.025	.166	.085	.025	
9.0	.179	.087	.024	.176	.086	.024	.169	.083	.024	.162	.081	.023	.156	.079	.023	
10.0	.168	.081	.022	.165	.080	.022	.158	.078	.022	.152	.076	.021	.146	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.230	.230	.230	.197	.197	.197	.134	.134	.134	.077	.077	.077	.025	.025	.025	
1.0	.225	.196	.170	.192	.168	.146	.132	.116	.101	.076	.067	.059	.024	.022	.019	
2.0	.218	.172	.134	.186	.148	.116	.128	.103	.081	.074	.060	.047	.024	.019	.015	
3.0	.210	.155	.111	.180	.134	.097	.124	.093	.068	.071	.054	.040	.023	.018	.013	
4.0	.202	.142	.096	.174	.123	.084	.119	.086	.059	.069	.050	.035	.022	.016	.011	
5.0	.195	.132	.086	.167	.114	.075	.115	.080	.053	.067	.047	.031	.021	.015	.010	
6.0	.187	.124	.079	.161	.107	.069	.111	.075	.049	.064	.044	.029	.021	.014	.010	
7.0	.180	.117	.073	.155	.102	.064	.107	.071	.045	.062	.042	.027	.020	.014	.009	
8.0	.173	.111	.069	.149	.097	.060	.103	.068	.043	.060	.040	.026	.019	.013	.008	
9.0	.167	.107	.066	.144	.092	.058	.099	.065	.041	.058	.038	.024	.019	.013	.008	
10.0	.161	.102	.063	.139	.089	.055	.096	.063	.039	.056	.037	.023	.018	.012	.008	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:9.430m [K=1.0000]
 Remarks: 24V灯带

UGR(Unified Glare Rating) Table

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz										
Lamp Flux:851.654x1 lm										
NAME: 24V灯带			TYPE: 24V灯带				WEIGHT: N/A			
SPEC.:			DIM.:				SERIAL No.: N/A			
MFR.: EVERFINE			SUR.:				Shielding Angle: N/A			
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	16.3	17.8	16.6	18.1	18.4	14.9	16.5	15.3	16.8	17.1
3H	18.7	20.2	19.1	20.5	20.9	16.5	17.9	16.9	18.3	18.6
4H	20.1	21.4	20.5	21.8	22.2	17.1	18.4	17.5	18.8	19.2
6H	21.5	22.8	21.9	23.2	23.5	17.5	18.8	17.9	19.1	19.5
8H	22.3	23.5	22.7	23.9	24.3	17.6	18.8	18.0	19.2	19.6
12H	23.1	24.4	23.6	24.7	25.2	17.6	18.8	18.0	19.2	19.6
4H 2H	16.9	18.2	17.3	18.6	19.0	15.9	17.2	16.3	17.6	17.9
3H	19.5	20.7	19.9	21.1	21.5	17.7	18.9	18.1	19.3	19.7
4H	21.0	22.1	21.5	22.5	23.0	18.4	19.5	18.9	20.0	20.4
6H	22.6	23.6	23.1	24.1	24.5	19.0	20.0	19.5	20.4	20.9
8H	23.5	24.4	24.0	24.9	25.4	19.2	20.1	19.7	20.6	21.1
12H	24.5	25.4	25.0	25.9	26.4	19.3	20.1	19.8	20.6	21.1
8H 4H	21.3	22.2	21.8	22.7	23.2	19.1	20.1	19.6	20.5	21.0
6H	23.1	23.9	23.7	24.4	25.0	20.0	20.8	20.5	21.3	21.8
8H	24.2	24.9	24.8	25.4	26.0	20.3	21.0	20.9	21.5	22.1
12H	25.5	26.1	26.0	26.6	27.2	20.6	21.2	21.1	21.7	22.3
12H 4H	21.3	22.2	21.8	22.6	23.2	19.3	20.2	19.9	20.7	21.2
6H	23.2	23.9	23.8	24.4	25.0	20.3	21.0	20.9	21.6	22.1
8H	24.4	25.0	24.9	25.5	26.1	20.8	21.4	21.4	22.0	22.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117, 851.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.6)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:9.430m [K=1.0000]
 Remarks: 24V灯带

UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A

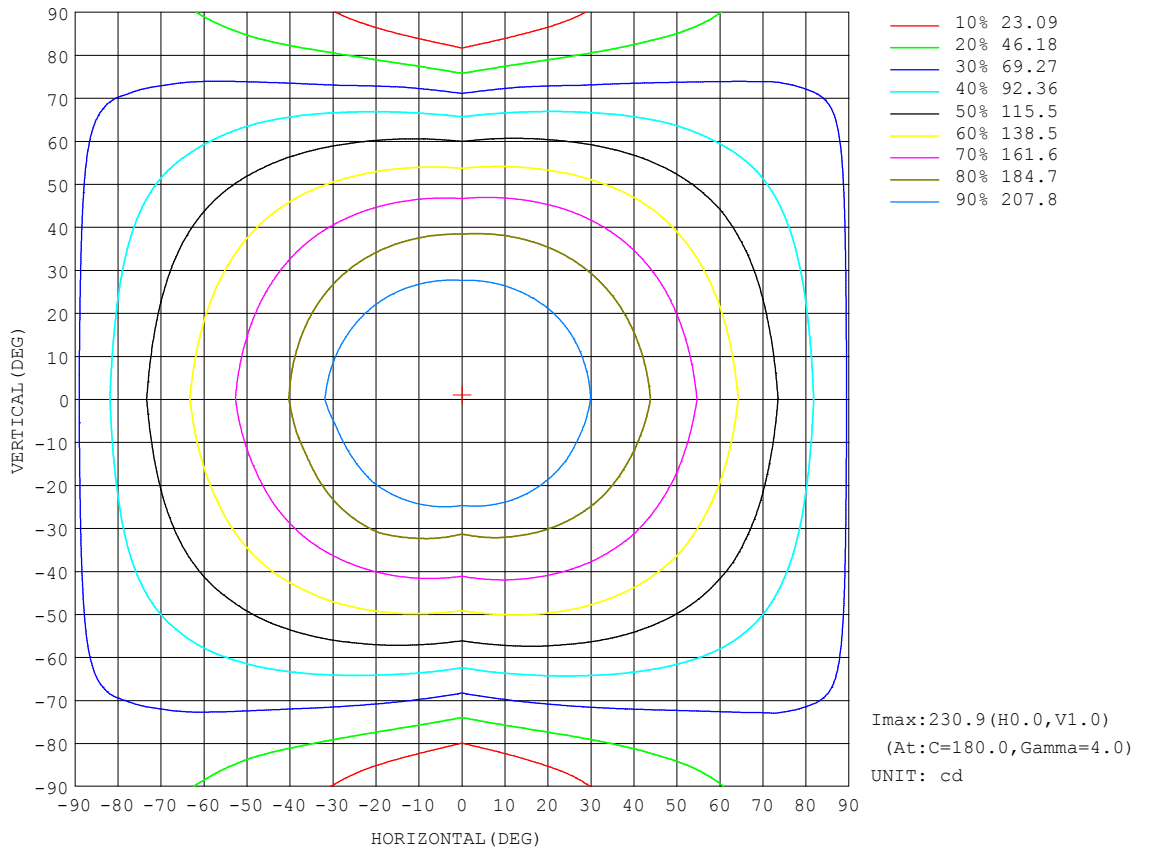
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	52	40	33	51	40	33	50	39	32	26
0.80	62	49	41	61	49	41	59	48	41	33
1.00	70	58	49	68	57	49	66	58	48	41
1.25	77	65	57	75	64	56	72	62	55	47
1.50	82	71	62	80	69	62	76	67	61	52
2.00	89	79	71	87	78	70	83	75	69	59
2.50	93	84	77	91	82	76	86	79	73	64
3.00	97	89	82	94	87	81	90	83	78	68
4.00	102	94	88	99	92	87	94	88	84	73
5.00	104	98	93	101	96	91	96	92	88	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNM = 1.25			

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:9.430m [K=1.0000]
 Remarks: 24V灯带

ISOCANDELA DIAGRAM

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A

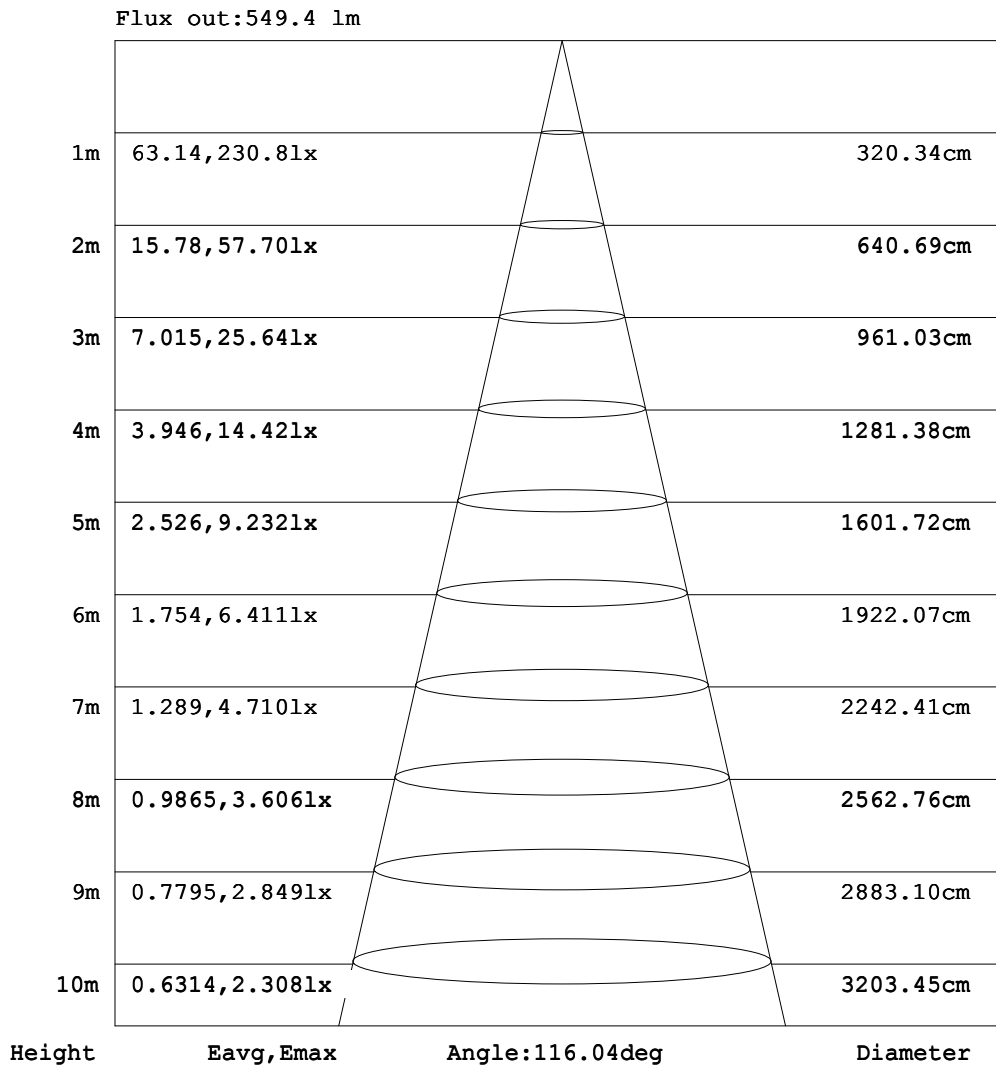


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:9.430m [K=1.0000]
Remarks: 24V灯带

AAI Figure

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A

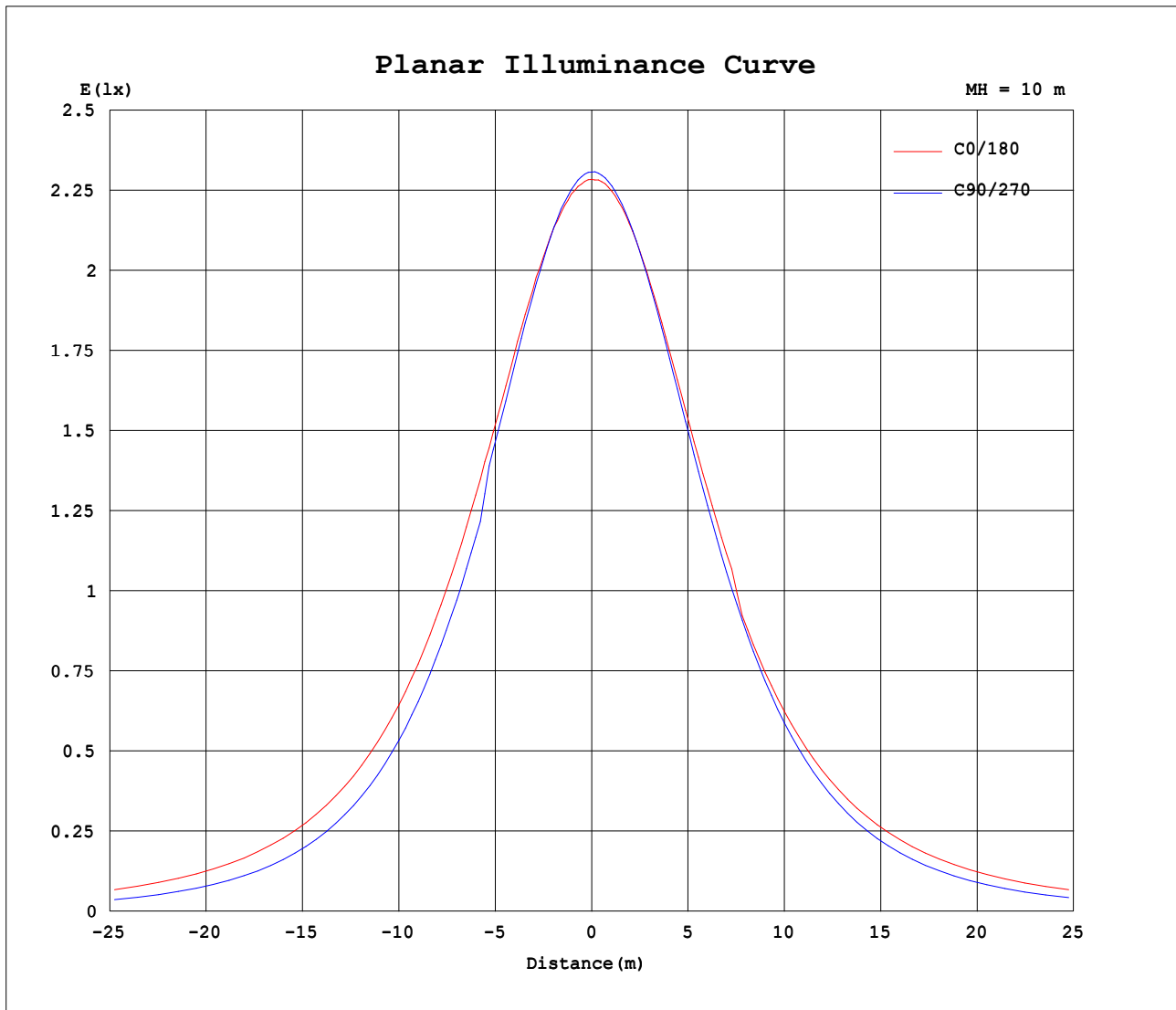


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:9.430m [K=1.0000]
Remarks: 24V灯带

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 9.430m [K=1.0000]
 Remarks: 24V灯带

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.5950A P:10.000W PF:0.7040 Freq:50.00Hz		
Lamp Flux:851.654x1 lm		
NAME: 24V灯带	TYPE: 24V灯带	WEIGHT: N/A
SPEC.:	DIM.:	SERIAL No.: N/A
MFR.: EVERFINE	SUR.:	Shielding Angle: N/A

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	230	230	230	230															
5	229	228	230	229															
10	227	225	229	227															
15	224	221	226	223															
20	220	214	222	218															
25	215	206	218	211															
30	209	186	211	202															
35	201	176	204	192															
40	193	164	186	180															
45	183	150	177	166															
50	173	135	168	150															
55	162	119	157	133															
60	150	101	147	114															
65	138	81.9	136	94.4															
70	125	62.1	125	73.4															
75	112	41.9	112	49.0															
80	97.9	22.8	98.4	29.0															
85	83.6	7.80	82.0	11.9															
90	68.2	0.92	66.6	2.03															
95	51.9	0.92	44.9	0.81															
100	30.4	1.13	21.5	1.00															
105	17.7	1.33	5.69	1.19															
110	8.68	1.49	1.77	1.39															
115	2.29	1.70	1.91	1.59															
120	2.19	1.90	2.06	1.78															
125	2.34	2.11	2.22	1.99															
130	2.48	2.30	2.37	2.19															
135	2.61	2.49	2.51	2.38															
140	2.74	2.67	2.65	2.55															
145	2.85	2.82	2.77	2.72															
150	2.96	2.97	2.89	2.85															
155	3.07	3.08	3.00	2.98															
160	3.17	3.18	3.11	3.11															
165	3.25	3.27	3.23	3.23															
170	3.34	3.34	3.31	3.30															
175	3.38	3.38	3.37	3.39															
180	3.41	3.40	3.40	3.41															

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:9.430m [K=1.0000]
 Remarks: 24V灯带