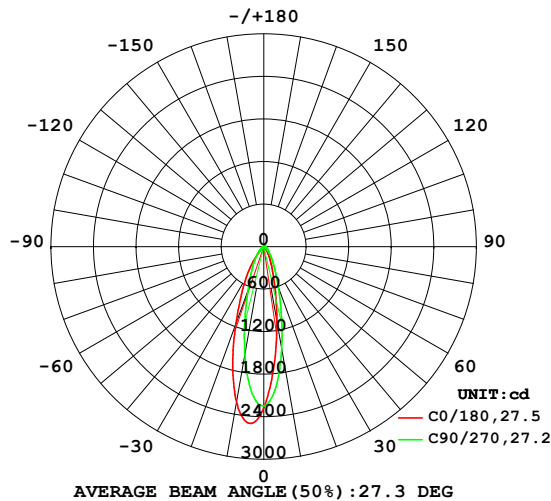


LUMINAIRE PHOTOMETRIC TEST REPORT

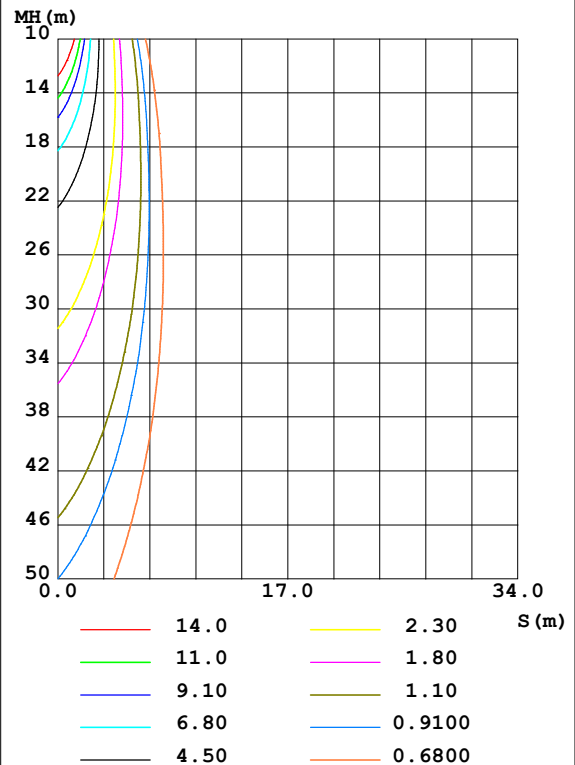
Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 49.96 lm/W			
MODEL	Edgeless Ground	Imax(cd)	2501	S/MH(C0/180)	0.66
NOMINAL POWER(W)	18	LOR(%)	91.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	910.15	η UP,DN(C0-180)	0.4,34.9
NOMINAL FLUX(lm)	1000	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,55.4
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	90.3	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.700m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	1082	1462	2224	1545					0- 10	180.3	180.3	19.8, 18
20	367.4	599.8	1151	658.4					10- 20	297.7	478.0	52.5, 47.8
30	147.0	269.4	492.3	305.0					20- 30	210.7	688.7	75.7, 68.9
40	52.36	129.8	126.0	140.7					30- 40	122.0	810.7	89.1, 81.1
50	13.98	60.29	15.15	65.42					40- 50	51.31	862.0	94.7, 86.2
60	5.844	28.59	5.943	30.12					50- 60	23.63	885.7	97.3, 88.6
70	2.272	11.38	2.163	11.56					60- 70	11.80	897.5	98.6, 89.7
80	1.037	3.297	0.6950	3.433					70- 80	4.188	901.6	99.1, 90.2
90	0.0859	0.8637	0.0774	0.7952					80- 90	1.224	902.9	99.2, 90.3
100	0.0774	0.8337	0.0774	0.6403					90-100	0.4743	903.3	99.3, 90.3
110	0.0774	0.9198	0.0774	0.9281					100-110	0.4587	903.8	99.3, 90.4
120	0.1461	1.105	0.1118	1.138					110-120	0.5450	904.3	99.4, 90.4
130	0.6007	1.130	0.2194	1.272					120-130	0.6414	905.0	99.4, 90.5
140	1.674	1.586	0.4862	1.658					130-140	0.7890	905.8	99.5, 90.6
150	3.590	2.881	1.231	2.036					140-150	1.133	906.9	99.6, 90.7
160	5.130	4.436	2.894	3.793					150-160	1.488	908.4	99.8, 90.8
170	5.205	5.123	4.479	4.817					160-170	1.285	909.7	99.9, 91
180	5.007	5.166	4.989	5.157					170-180	0.4756	910.2	100, 91
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 842.09 lm

%lum = 92.5%

%lamp = 84.2%

Conical surface Flux(120deg): 885.65 lm

%lum = 97.3%

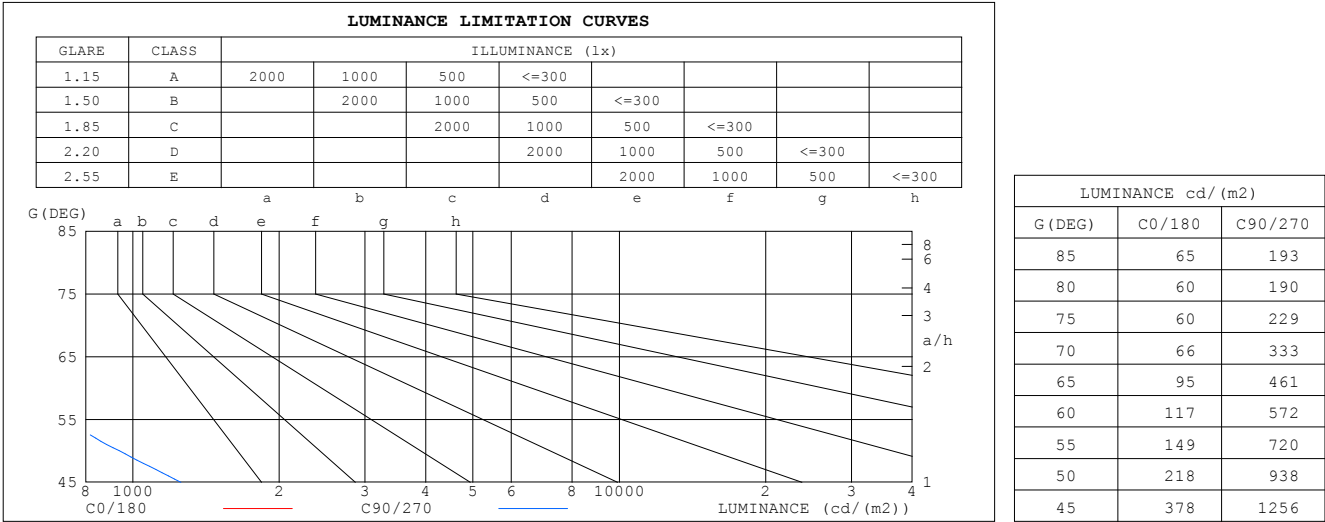
%lamp = 88.6%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



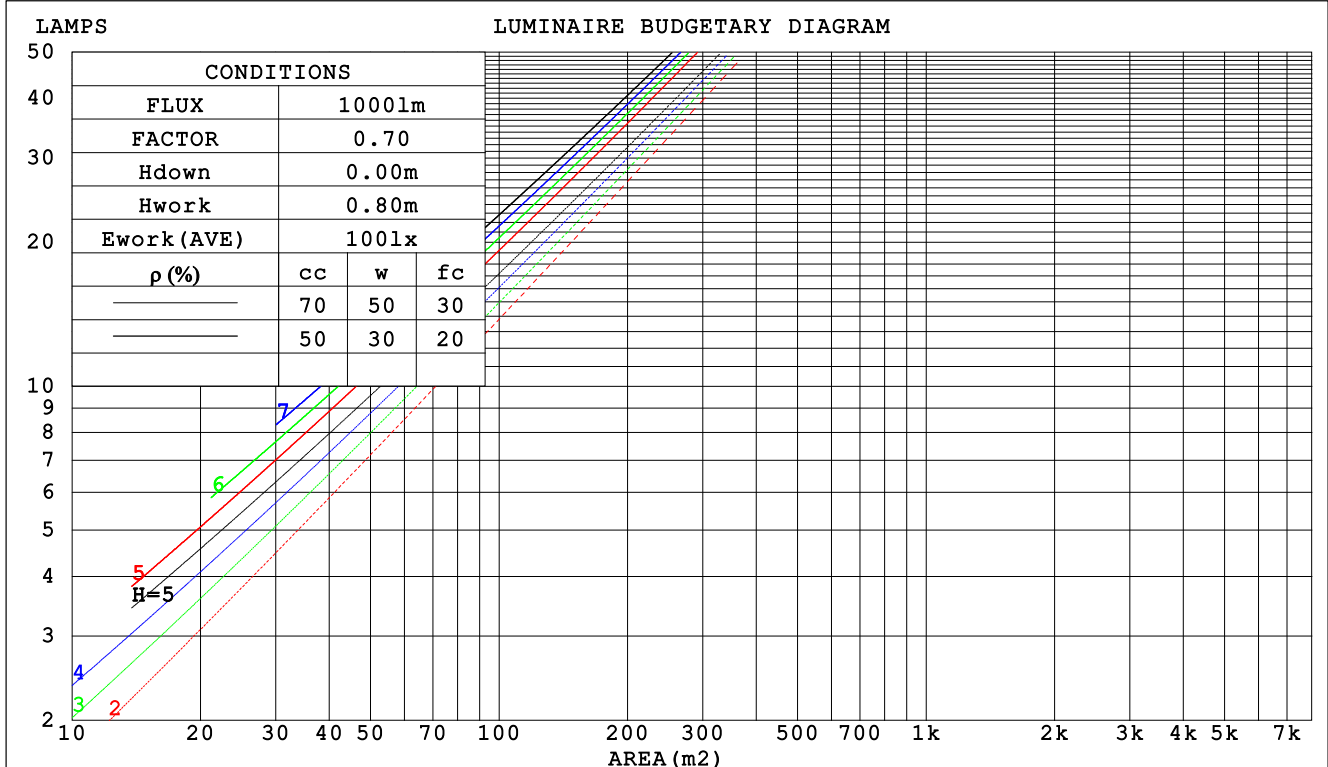
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	.96	.96	.96	.92	.92	.92	.90
1.0	1.01	.99	.97	.99	.97	.95	.95	.93	.92	.92	.90	.89	.88	.87	.86	.85
2.0	.94	.91	.88	.93	.89	.87	.90	.87	.85	.87	.85	.83	.84	.82	.81	.79
3.0	.88	.84	.81	.87	.83	.80	.85	.81	.79	.82	.80	.77	.80	.78	.76	.75
4.0	.83	.78	.75	.82	.78	.74	.80	.76	.73	.78	.75	.72	.76	.74	.72	.70
5.0	.79	.74	.70	.78	.73	.70	.76	.72	.69	.74	.71	.68	.73	.70	.68	.66
6.0	.74	.69	.66	.74	.69	.66	.72	.68	.65	.71	.67	.65	.70	.67	.64	.63
7.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.67	.63	.61	.60
8.0	.67	.62	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.64	.61	.58	.57
9.0	.64	.59	.56	.64	.59	.56	.63	.59	.56	.62	.58	.56	.61	.58	.55	.54
10.0	.62	.57	.54	.61	.57	.53	.60	.56	.53	.60	.56	.53	.59	.55	.53	.52



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	.157	.090	.028	.151	.086	.027	.139	.080	.026	.128	.074	.024	.118	.069	.022		
2.0	.149	.082	.025	.144	.079	.024	.134	.075	.023	.125	.070	.022	.116	.066	.021		
3.0	.141	.075	.022	.137	.073	.022	.128	.069	.021	.120	.066	.020	.113	.062	.019		
4.0	.133	.069	.020	.129	.068	.020	.122	.065	.019	.115	.062	.019	.109	.059	.018		
5.0	.126	.064	.019	.123	.063	.018	.116	.061	.018	.110	.058	.017	.105	.056	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016		
7.0	.114	.056	.016	.111	.055	.016	.106	.054	.015	.102	.052	.015	.097	.051	.015		
8.0	.108	.053	.015	.106	.052	.015	.102	.051	.015	.098	.049	.014	.094	.048	.014		
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.013	.090	.046	.013		
10.0	.099	.047	.013	.097	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.013		

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	.179	.179	.179	.153	.153	.153	.104	.104	.104	.060	.060	.060	.019	.019	.019	
1.0	.161	.149	.138	.138	.128	.119	.094	.088	.082	.054	.051	.048	.017	.016	.015	
2.0	.147	.126	.109	.126	.109	.094	.086	.075	.066	.050	.044	.038	.016	.014	.013	
3.0	.135	.109	.088	.116	.094	.076	.080	.065	.054	.046	.038	.032	.015	.012	.010	
4.0	.125	.096	.073	.108	.083	.063	.074	.058	.044	.043	.034	.026	.014	.011	.009	
5.0	.117	.085	.061	.101	.073	.053	.069	.051	.038	.040	.030	.022	.013	.010	.007	
6.0	.110	.076	.052	.094	.066	.045	.065	.046	.032	.038	.027	.019	.012	.009	.006	
7.0	.104	.069	.045	.089	.060	.039	.062	.042	.028	.036	.025	.017	.012	.008	.005	
8.0	.098	.063	.040	.084	.055	.035	.058	.039	.024	.034	.023	.015	.011	.007	.005	
9.0	.093	.059	.035	.080	.051	.031	.056	.036	.022	.032	.021	.013	.011	.007	.004	
10.0	.089	.054	.032	.077	.047	.028	.053	.033	.020	.031	.020	.012	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm										
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1					TYPE:RGBW W=3000K			WEIGHT:		
SPEC.:30 DEG					DIM.:500mm			SERIAL No.:		
MFR.: EVERFINE					SUR.:			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	3.6	4.4	3.8	4.6	4.8	7.5	8.3	7.7	8.5	8.7
3H	3.6	4.4	3.9	4.6	4.8	7.8	8.6	8.1	8.8	9.0
4H	3.6	4.3	3.8	4.6	4.8	7.9	8.6	8.2	8.9	9.1
6H	3.5	4.2	3.8	4.5	4.7	7.9	8.6	8.2	8.9	9.1
8H	3.5	4.2	3.8	4.4	4.7	7.9	8.6	8.2	8.8	9.1
12H	3.5	4.1	3.8	4.4	4.7	7.9	8.5	8.2	8.8	9.1
4H 2H	3.9	4.6	4.2	4.9	5.1	7.4	8.2	7.7	8.4	8.6
3H	4.0	4.7	4.3	4.9	5.2	7.8	8.5	8.1	8.8	9.1
4H	4.0	4.6	4.4	4.9	5.2	7.9	8.5	8.3	8.8	9.1
6H	4.0	4.5	4.4	4.9	5.2	8.0	8.5	8.3	8.8	9.2
8H	4.0	4.5	4.4	4.8	5.2	8.0	8.5	8.4	8.8	9.2
12H	3.9	4.4	4.4	4.8	5.2	8.0	8.4	8.4	8.8	9.2
8H 4H	4.0	4.5	4.4	4.9	5.3	7.8	8.3	8.2	8.7	9.0
6H	4.1	4.5	4.5	4.9	5.3	7.9	8.3	8.3	8.7	9.1
8H	4.1	4.4	4.5	4.9	5.3	7.9	8.3	8.4	8.7	9.2
12H	4.1	4.4	4.5	4.8	5.3	7.9	8.3	8.4	8.7	9.2
12H 4H	4.0	4.5	4.4	4.8	5.2	7.8	8.2	8.2	8.6	9.0
6H	4.0	4.4	4.5	4.8	5.3	7.8	8.2	8.3	8.6	9.1
8H	4.1	4.4	4.6	4.8	5.3	7.9	8.2	8.4	8.6	9.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.8					+ 1.5 / - 1.5				
1.5H	+ 2.2 / - 3.1					+ 2.5 / - 1.8				
2.0H	+ 1.9 / - 3.1					+ 3.2 / - 2.2				

CIE Pub.117, 1000 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.0$)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

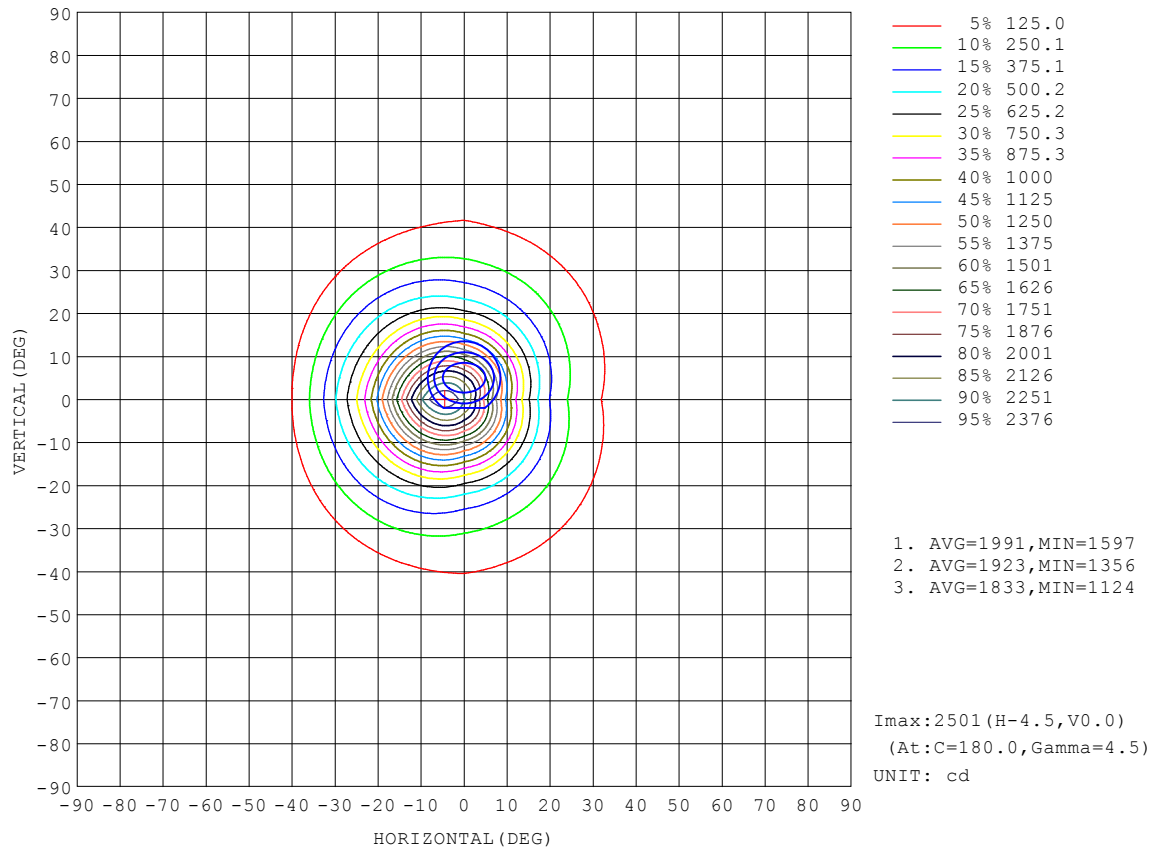
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	71	67	77	71	67	76	70	67	64
0.80	84	78	75	83	78	75	82	77	74	71
1.00	89	83	79	88	83	79	86	82	79	75
1.25	92	87	84	91	87	84	89	86	83	79
1.50	95	90	87	94	90	87	92	88	86	81
2.00	98	94	91	96	93	90	94	91	88	83
2.50	99	96	93	98	95	92	95	92	90	84
3.00	101	98	95	99	96	94	96	94	92	86
4.00	103	100	98	101	99	97	98	96	94	87
5.00	104	102	100	102	100	99	98	97	96	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

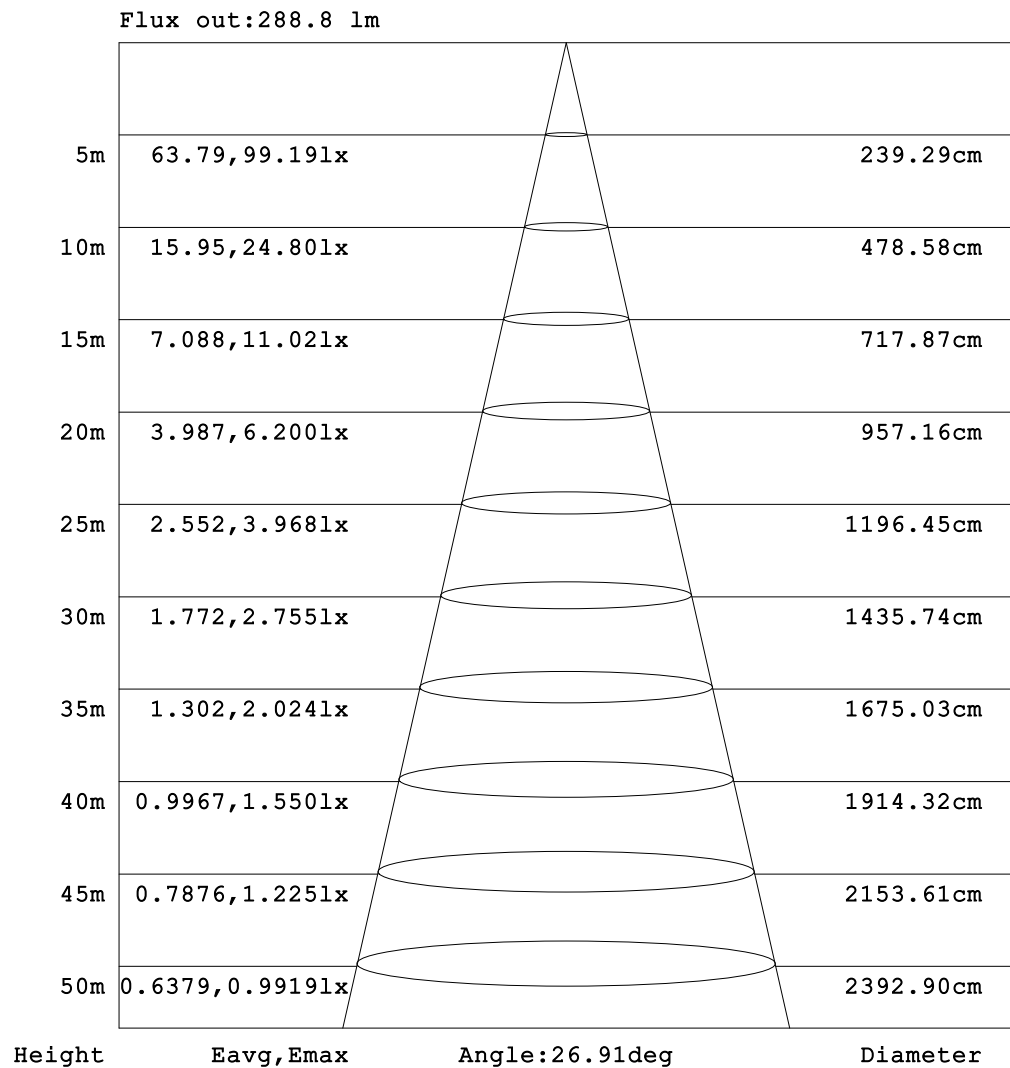


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



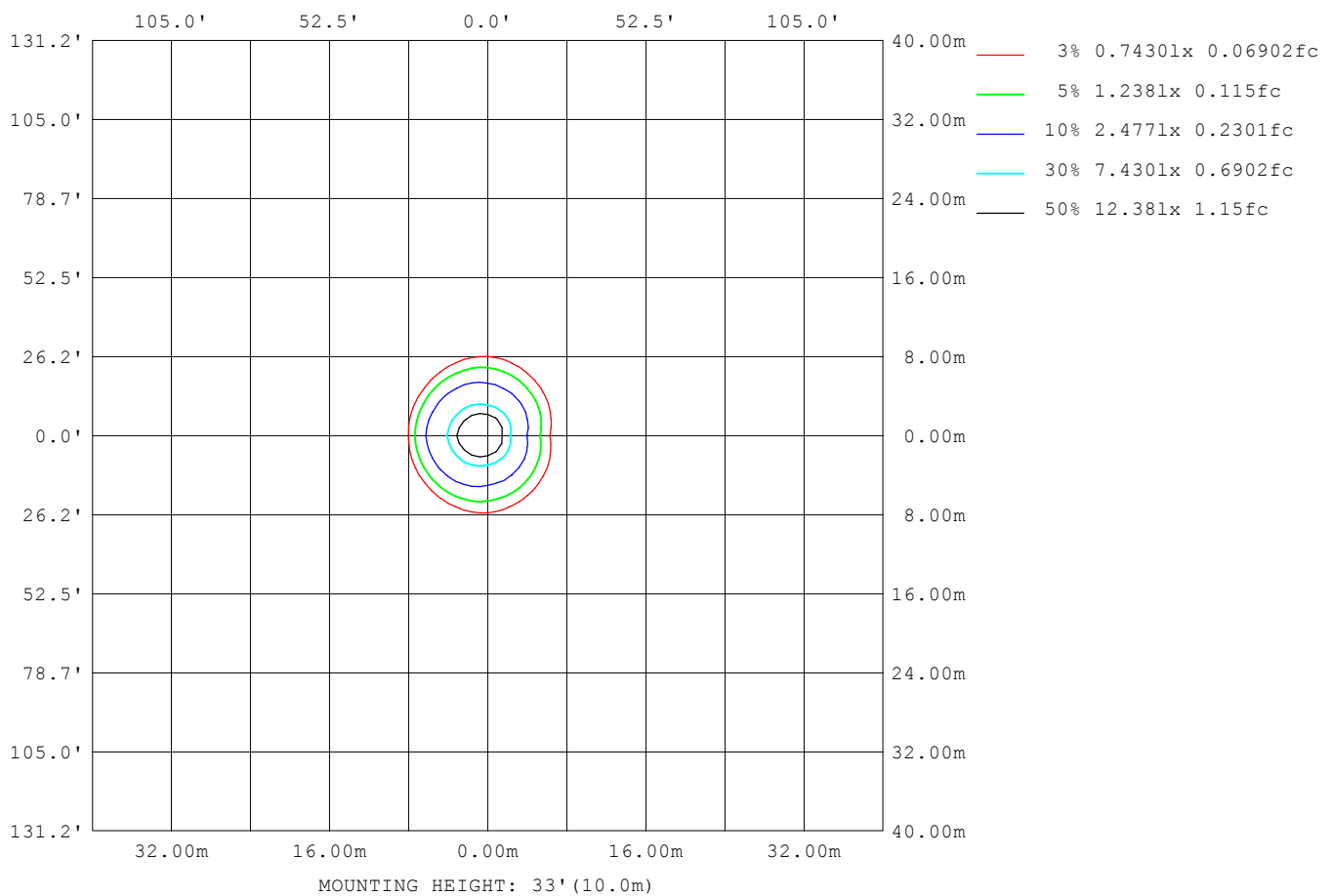
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

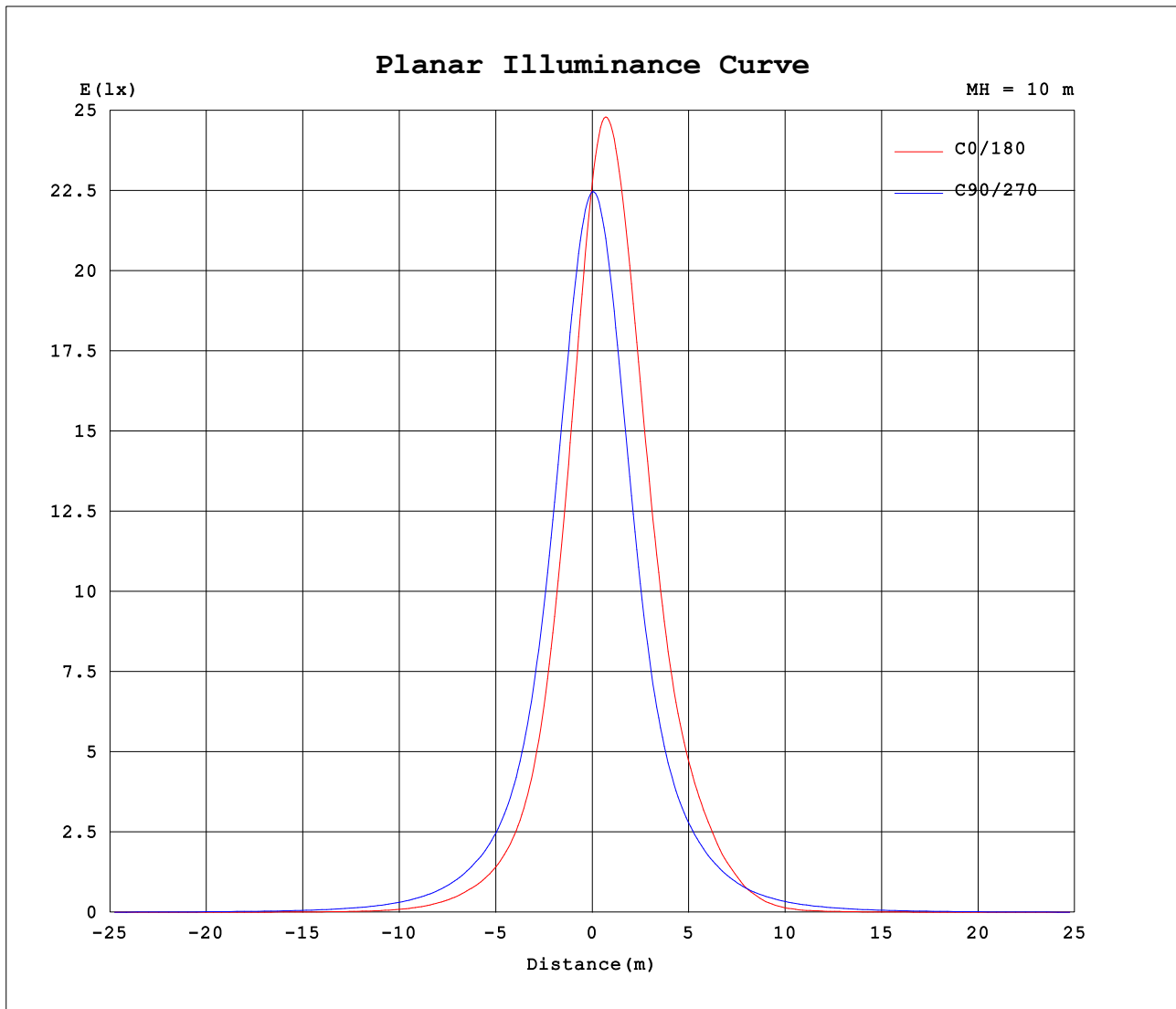
AvgL	cd/m2
L_0~180 (65) av	95
L_0~180 (75) av	54
L_0~180 (85) av	36
L_90~270 (65) av	465
L_90~270 (75) av	233
L_90~270 (85) av	204
L_45 (65) av	326
L_45 (75) av	166
L_45 (85) av	139

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-12-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.7590A P:18.216W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-30D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:30 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	2273	2247	2273	2247															
5	1684	1987	2497	2044															
10	1082	1462	2224	1545															
15	632	959	1697	1028															
20	367	600	1151	658															
25	228	390	750	438															
30	147	269	492	305															
35	92.4	188	283	209															
40	52.4	130	126	141															
45	26.7	88.8	40.6	95.7															
50	14.0	60.3	15.2	65.4															
55	8.57	41.3	8.76	44.4															
60	5.84	28.6	5.94	30.1															
65	4.02	19.5	3.98	19.8															
70	2.27	11.4	2.16	11.6															
75	1.56	5.94	1.25	6.14															
80	1.04	3.30	0.70	3.43															
85	0.57	1.68	0.06	1.88															
90	0.09	0.86	0.08	0.80															
95	0.08	0.83	0.08	0.76															
100	0.08	0.83	0.08	0.64															
105	0.08	0.85	0.08	0.69															
110	0.08	0.92	0.08	0.93															
115	0.09	0.99	0.08	1.02															
120	0.15	1.10	0.11	1.14															
125	0.31	1.16	0.15	1.25															
130	0.60	1.13	0.22	1.27															
135	1.05	1.30	0.33	1.30															
140	1.67	1.59	0.49	1.66															
145	2.55	2.07	0.76	1.84															
150	3.59	2.88	1.23	2.04															
155	4.54	3.64	1.96	2.97															
160	5.13	4.44	2.89	3.79															
165	5.29	4.95	3.83	4.42															
170	5.20	5.12	4.48	4.82															
175	5.02	5.14	4.86	5.05															
180	5.01	5.17	4.99	5.16															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks: