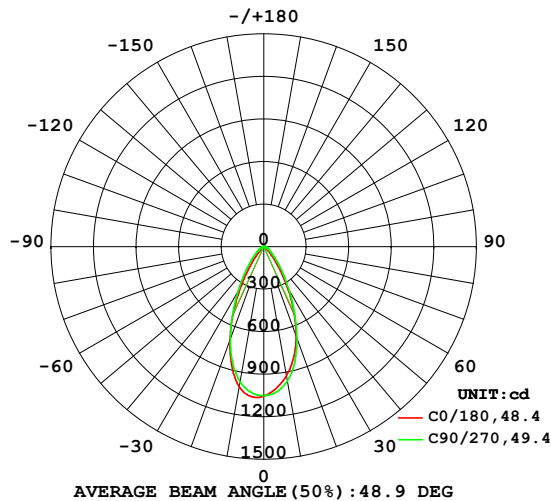


LUMINAIRE PHOTOMETRIC TEST REPORT

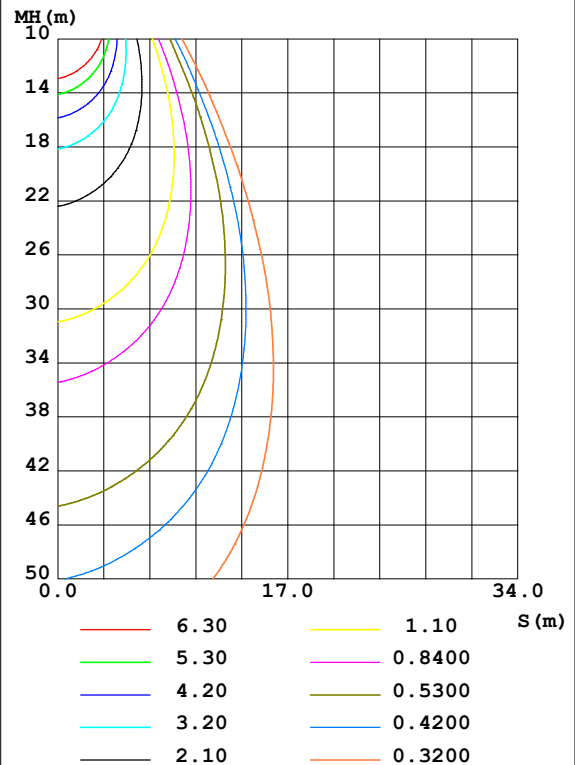
Test:U:24.000V I:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 44.64 lm/W			
MODEL	YT-DMD-08	I _{max} (cd)	1065	S/MH (C0/180)	0.76
NOMINAL POWER (W)	18	LOR (%)	81.9	S/MH (C90/270)	0.78
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	818.54	η UP, DN (C0-180)	0.5, 40.8
NOMINAL FLUX (lm)	1000	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 40.3
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	24	η down (%)	81.0	CIBSE SHR MAX	0.80

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	924.5	962.1	1002	966.8					0- 10	96.32	96.32	11.8,9.63
20	668.7	686.3	697.5	689.5					10- 20	233.4	329.7	40.3,33
30	336.4	362.4	318.7	364.3					20- 30	232.1	561.7	68.6,56.2
40	109.4	163.7	78.52	160.7					30- 40	137.0	698.8	85.4,69.9
50	30.82	72.76	17.85	71.73					40- 50	61.87	760.6	92.9,76.1
60	7.582	35.05	3.842	34.07					50- 60	28.48	789.1	96.4,78.9
70	1.853	16.18	1.387	15.82					60- 70	13.51	802.6	98.1,80.3
80	0.8219	5.311	0.5105	5.269					70- 80	5.771	808.4	98.8,80.8
90	0.1548	2.227	0.0688	1.933					80- 90	1.900	810.3	99,81
100	0.1461	2.583	0.0731	2.819					90-100	1.431	811.7	99.2,81.2
110	0.1461	2.170	0.1074	1.583					100-110	1.309	813.0	99.3,81.3
120	0.2147	1.254	0.1850	0.4257					110-120	0.7367	813.8	99.4,81.4
130	0.4764	1.169	0.4000	0.4812					120-130	0.4716	814.2	99.5,81.4
140	1.172	1.672	0.9463	1.116					130-140	0.6850	814.9	99.6,81.5
150	2.191	2.433	1.827	2.238					140-150	1.049	816.0	99.7,81.6
160	3.231	3.331	2.812	2.947					150-160	1.203	817.2	99.8,81.7
170	4.005	4.006	3.727	3.760					160-170	0.9787	818.2	100,81.8
180	4.302	4.366	4.306	4.349					170-180	0.3897	818.5	100,81.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 735.81 lm

%lum = 89.9%

%lamp = 73.6%

Conical surface Flux(120deg): 789.11 lm

%lum = 96.4%

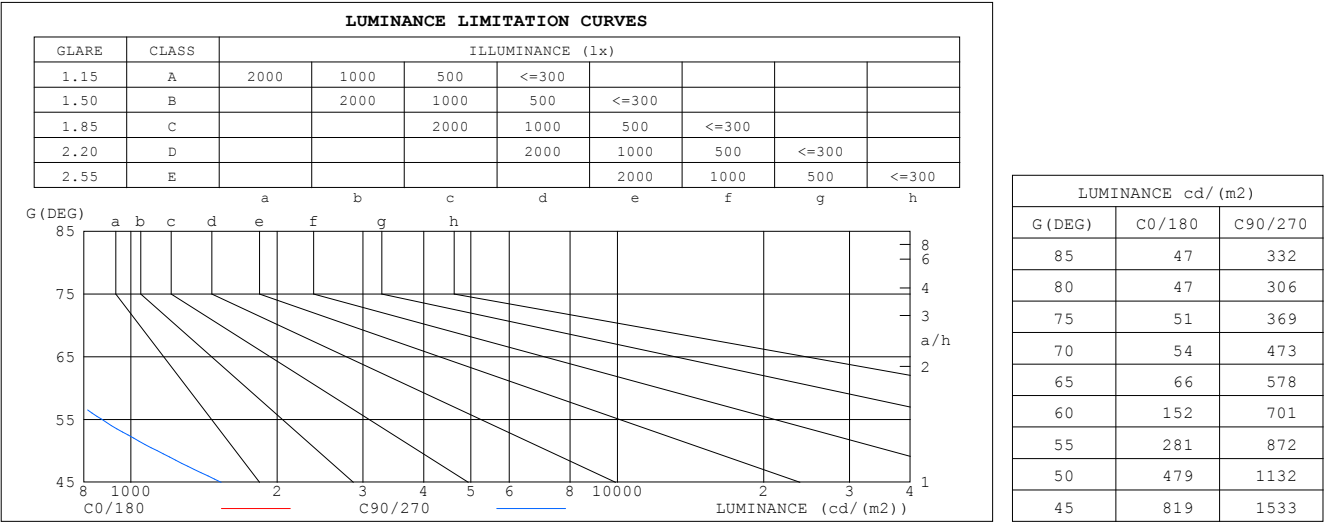
%lamp = 78.9%

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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



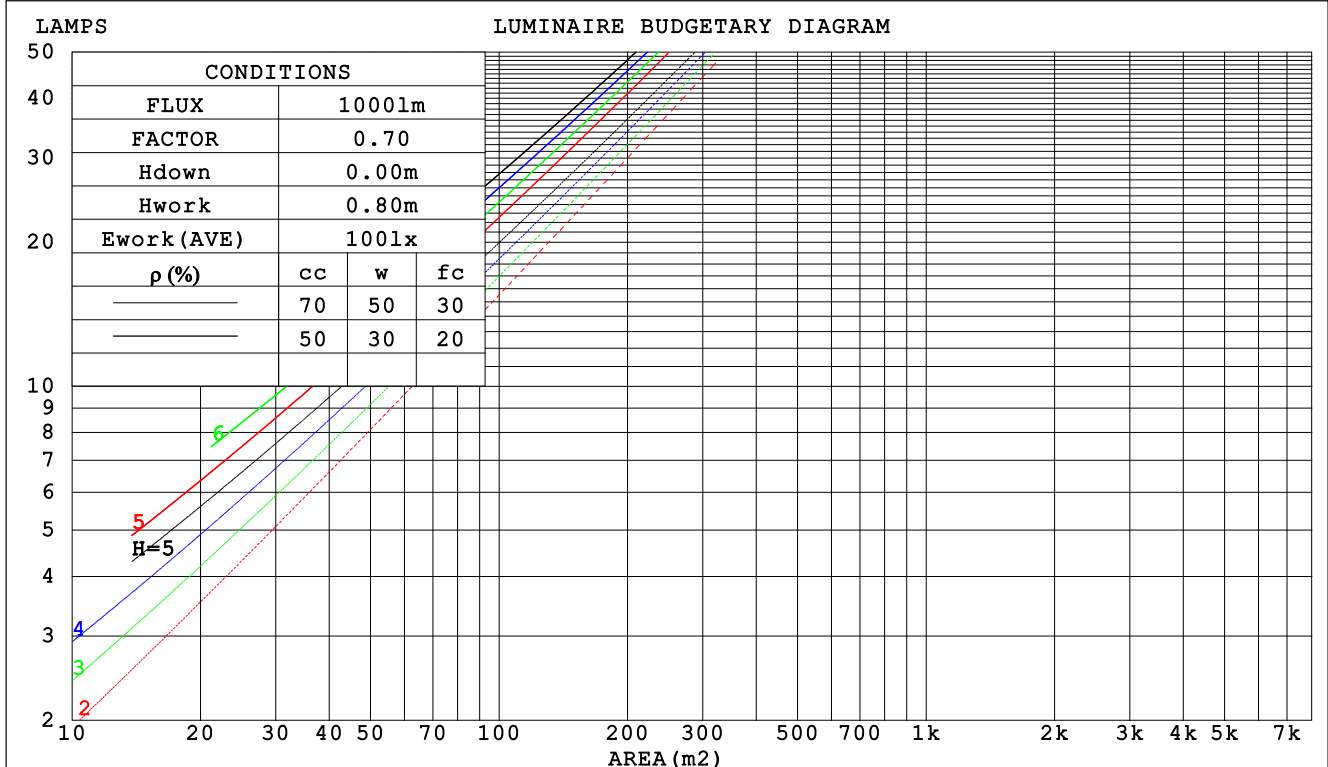
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 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	.97	.97	.97	.95	.95	.95	.90	.90	.90	.86	.86	.86	.83	.83	.83	.81
1.0	.90	.88	.86	.88	.86	.84	.85	.83	.82	.81	.80	.79	.79	.78	.77	.75
2.0	.83	.80	.77	.82	.79	.76	.79	.76	.74	.76	.74	.72	.74	.72	.71	.69
3.0	.77	.73	.70	.76	.72	.69	.74	.71	.68	.72	.69	.67	.70	.68	.66	.64
4.0	.72	.67	.64	.71	.67	.63	.69	.66	.63	.67	.64	.62	.66	.63	.61	.60
5.0	.67	.62	.59	.67	.62	.59	.65	.61	.58	.64	.60	.57	.62	.59	.57	.56
6.0	.63	.58	.55	.63	.58	.54	.61	.57	.54	.60	.56	.53	.59	.56	.53	.52
7.0	.59	.54	.51	.59	.54	.51	.58	.54	.50	.57	.53	.50	.56	.52	.50	.49
8.0	.56	.51	.48	.56	.51	.48	.55	.50	.47	.54	.50	.47	.53	.49	.47	.46
9.0	.53	.48	.45	.53	.48	.45	.52	.47	.45	.51	.47	.44	.50	.47	.44	.43
10.0	.50	.45	.42	.50	.45	.42	.49	.45	.42	.48	.45	.42	.48	.44	.42	.41



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
 γ 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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 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	.155	.088	.028	.149	.085	.027	.138	.079	.025	.128	.074	.024	.119	.069	.022		
2.0	.148	.081	.025	.143	.079	.024	.134	.074	.023	.125	.070	.022	.117	.066	.021		
3.0	.140	.075	.022	.136	.073	.022	.128	.069	.021	.121	.066	.020	.114	.063	.020		
4.0	.133	.069	.020	.129	.068	.020	.122	.065	.019	.116	.062	.019	.110	.060	.018		
5.0	.126	.064	.019	.123	.063	.018	.117	.061	.018	.111	.059	.017	.106	.056	.017		
6.0	.119	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.102	.054	.016		
7.0	.114	.056	.016	.111	.055	.016	.106	.054	.015	.102	.052	.015	.098	.051	.015		
8.0	.108	.053	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014	.094	.048	.014		
9.0	.103	.050	.014	.101	.049	.014	.098	.048	.014	.094	.047	.013	.091	.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	.162	.162	.162	.139	.139	.139	.095	.095	.095	.054	.054	.054	.017	.017	.017	
1.0	.147	.135	.124	.126	.116	.107	.086	.080	.074	.050	.046	.043	.016	.015	.014	
2.0	.135	.115	.098	.116	.099	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
3.0	.125	.099	.079	.108	.086	.068	.074	.060	.048	.043	.035	.028	.014	.011	.009	
4.0	.117	.088	.065	.101	.076	.056	.069	.053	.040	.040	.031	.023	.013	.010	.008	
5.0	.110	.078	.054	.095	.068	.047	.065	.047	.033	.038	.028	.020	.012	.009	.007	
6.0	.104	.071	.047	.090	.061	.041	.062	.043	.029	.036	.025	.017	.012	.008	.006	
7.0	.099	.064	.040	.085	.056	.035	.059	.039	.025	.034	.023	.015	.011	.008	.005	
8.0	.094	.059	.036	.081	.052	.031	.056	.036	.022	.033	.021	.013	.011	.007	.004	
9.0	.090	.055	.032	.077	.048	.028	.054	.034	.020	.031	.020	.012	.010	.007	.004	
10.0	.086	.052	.029	.074	.045	.025	.051	.032	.018	.030	.019	.011	.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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm										
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1					TYPE:RGBW W=3000K			WEIGHT:		
SPEC.:50 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	7.5	8.5	7.8	8.7	8.9	9.7	10.7	9.9	10.8	11.0
3H	7.4	8.3	7.7	8.5	8.7	10.0	10.9	10.3	11.1	11.4
4H	7.3	8.2	7.6	8.4	8.7	10.1	11.0	10.4	11.2	11.5
6H	7.3	8.1	7.6	8.3	8.6	10.2	11.0	10.5	11.3	11.5
8H	7.2	8.0	7.5	8.3	8.5	10.2	11.0	10.5	11.2	11.5
12H	7.2	7.9	7.5	8.2	8.5	10.2	10.9	10.6	11.2	11.5
4H 2H	7.5	8.4	7.8	8.6	8.9	9.6	10.4	9.9	10.7	10.9
3H	7.5	8.2	7.8	8.5	8.8	10.0	10.7	10.4	11.0	11.3
4H	7.5	8.1	7.8	8.5	8.8	10.2	10.8	10.5	11.2	11.5
6H	7.4	8.0	7.8	8.3	8.7	10.3	10.9	10.7	11.2	11.6
8H	7.4	7.9	7.8	8.3	8.7	10.3	10.9	10.7	11.2	11.6
12H	7.3	7.8	7.8	8.2	8.6	10.4	10.9	10.8	11.3	11.7
8H 4H	7.5	8.0	7.9	8.4	8.8	10.1	10.6	10.5	11.0	11.4
6H	7.4	7.9	7.9	8.3	8.7	10.2	10.7	10.7	11.1	11.5
8H	7.4	7.8	7.9	8.2	8.7	10.3	10.7	10.8	11.1	11.6
12H	7.4	7.7	7.9	8.2	8.7	10.4	10.7	10.9	11.2	11.7
12H 4H	7.4	7.9	7.9	8.3	8.7	10.0	10.5	10.5	10.9	11.3
6H	7.4	7.8	7.9	8.3	8.7	10.2	10.6	10.7	11.0	11.5
8H	7.4	7.8	7.9	8.2	8.7	10.3	10.6	10.8	11.1	11.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 4.0					+ 1.4 / - 1.5				
1.5H	+ 2.8 / - 3.3					+ 2.4 / - 1.7				
2.0H	+ 3.0 / - 3.9					+ 2.9 / - 2.1				

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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

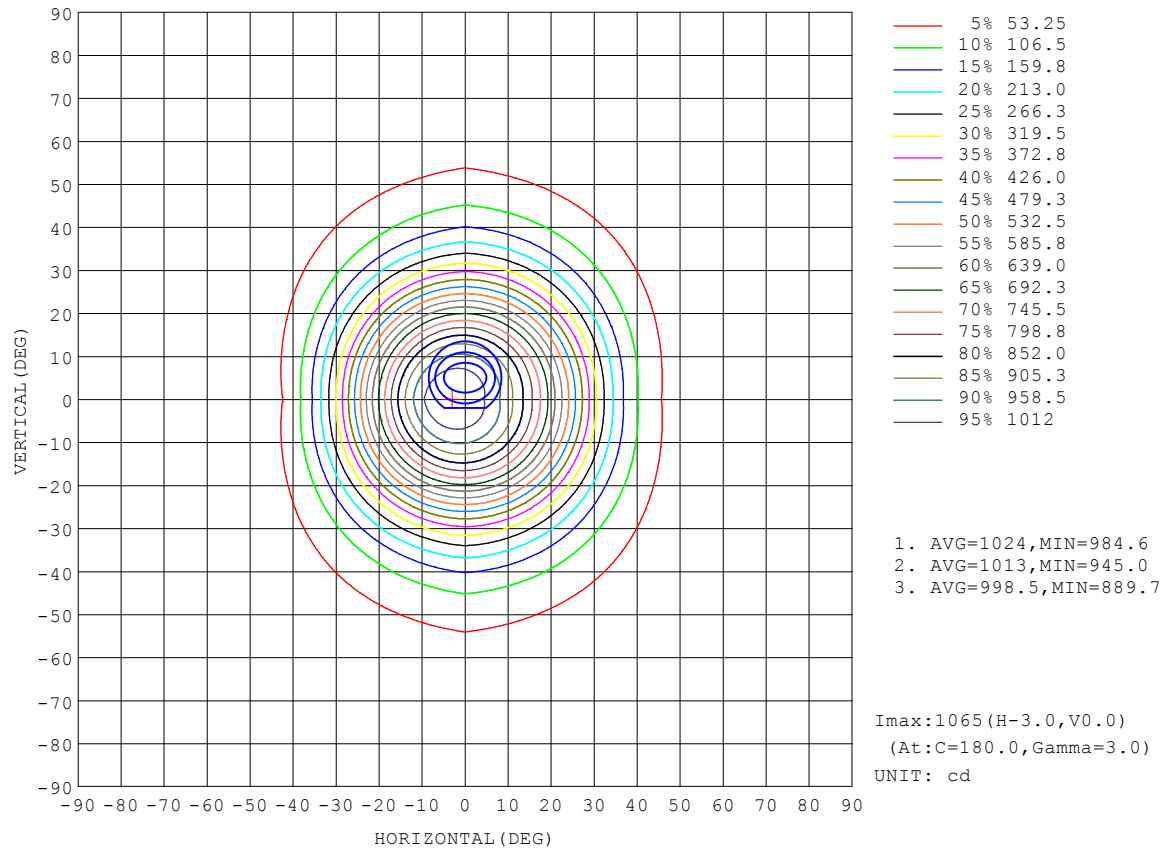
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	62	58	67	61	58	66	61	58	54
0.80	74	68	65	73	68	65	72	68	64	61
1.00	78	73	70	77	73	69	76	73	69	65
1.25	82	77	74	81	77	73	79	75	73	69
1.50	84	80	77	83	79	76	81	78	75	71
2.00	87	83	80	86	82	80	83	81	78	74
2.50	89	85	82	87	84	82	85	82	80	75
3.00	90	87	85	89	86	84	86	84	82	76
4.00	92	89	87	90	88	86	87	85	84	78
5.00	93	91	89	91	89	88	88	87	85	79
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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

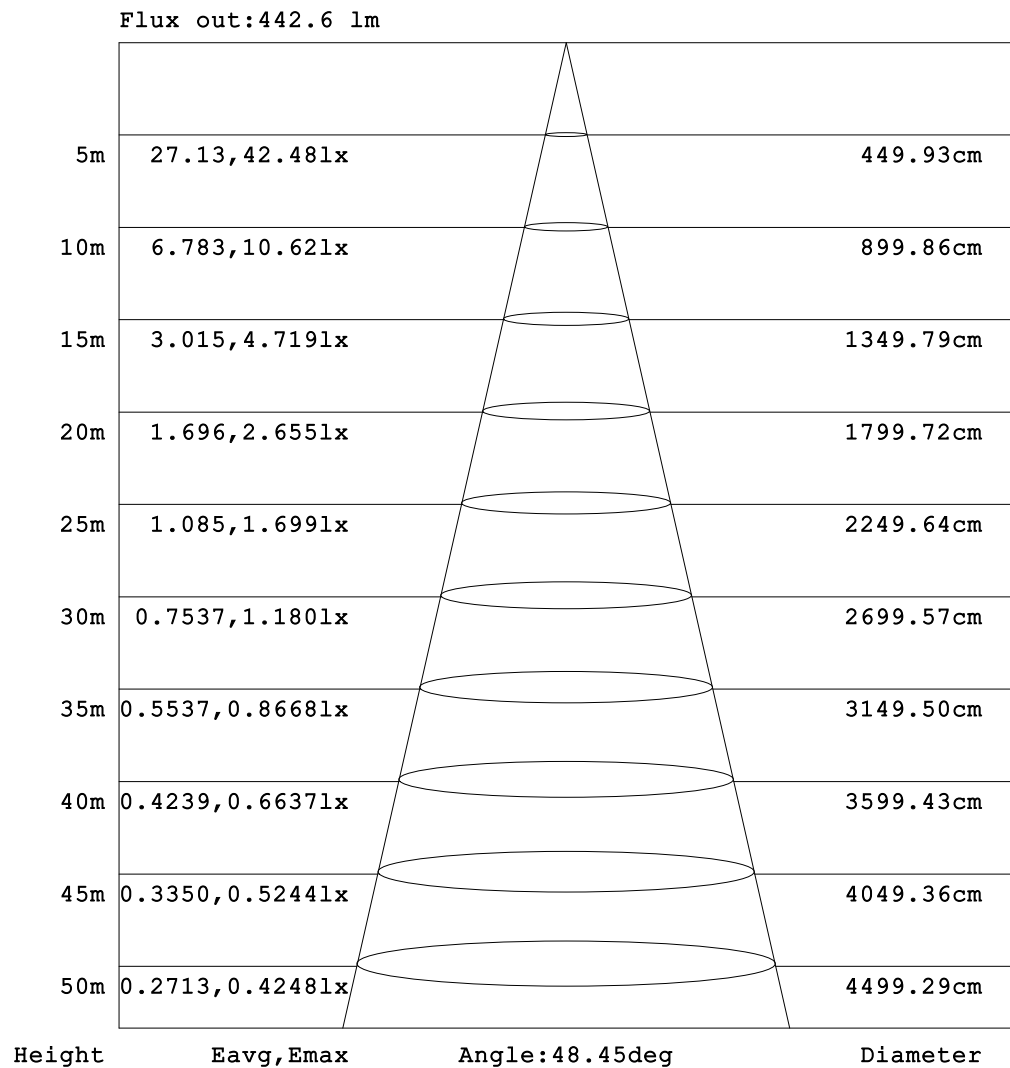


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-12-28

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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



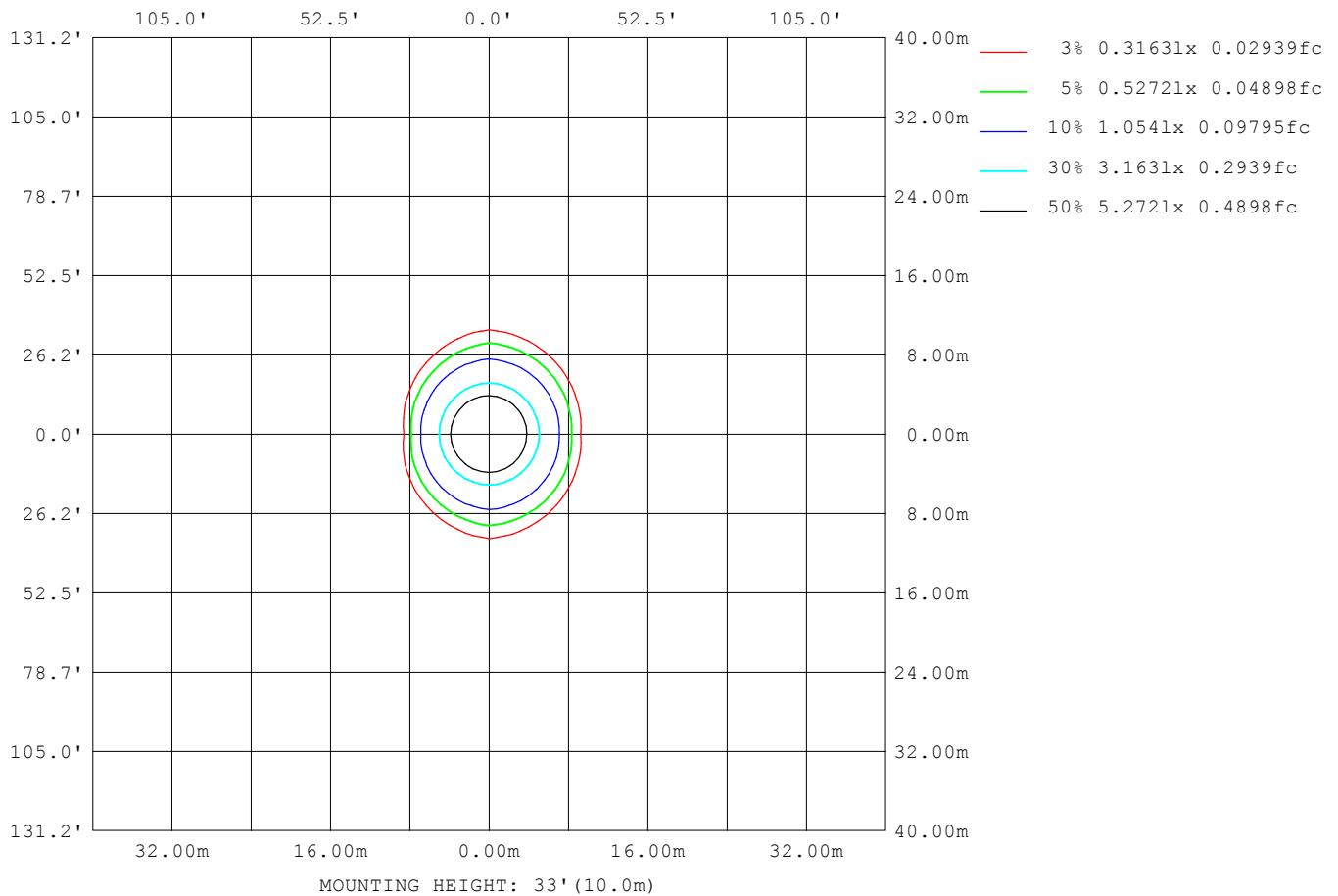
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 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
 γ 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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

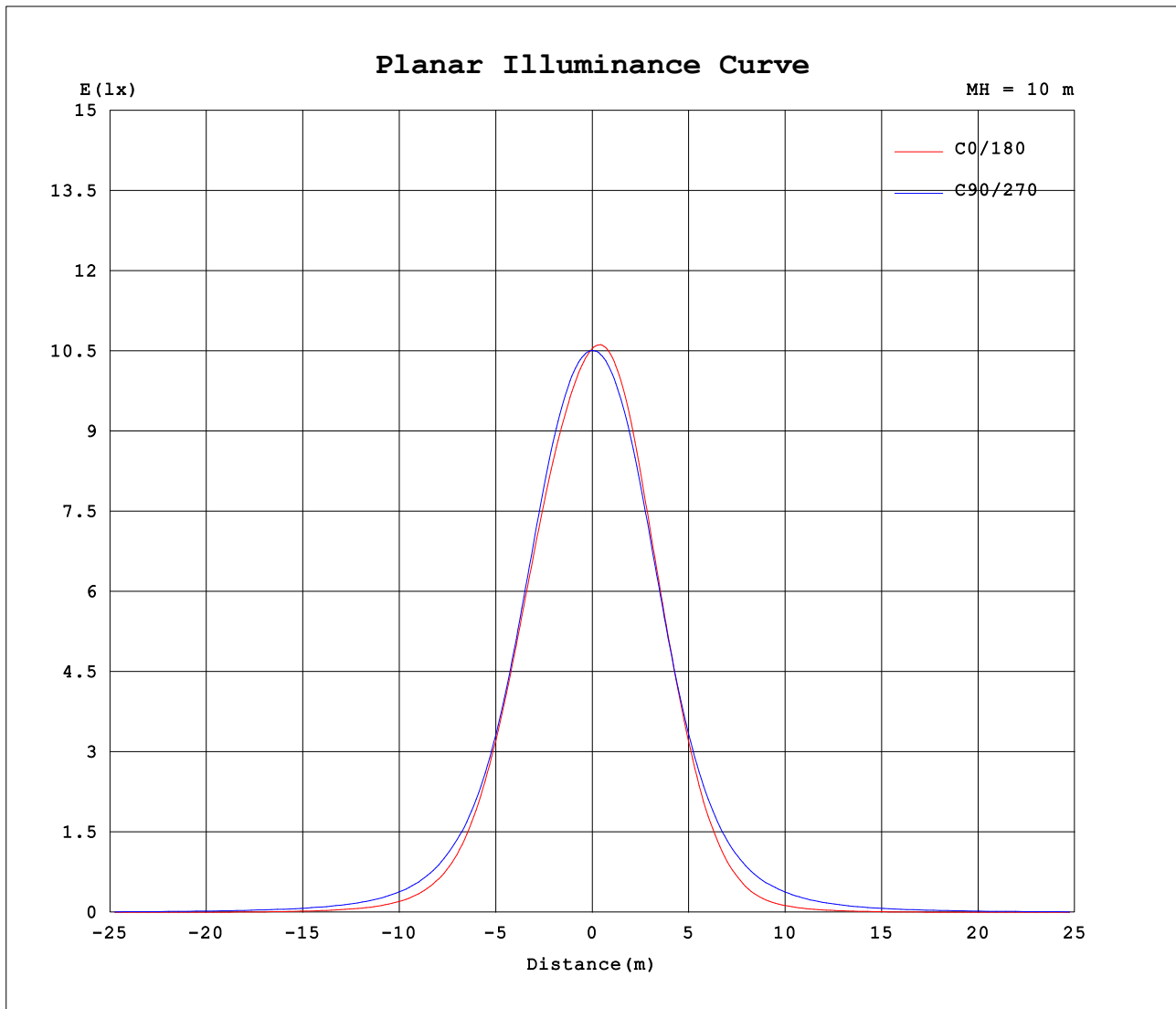
AvgL	cd/m2
L_0~180 (65) av	56
L_0~180 (75) av	43
L_0~180 (85) av	32
L_90~270 (65) av	574
L_90~270 (75) av	362
L_90~270 (85) av	347
L_45 (65) av	379
L_45 (75) av	242
L_45 (85) av	228

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:0.7640A P:18.336W PF:0.9800 Freq:50.00Hz Lamp Flux:1000x1 lm		
NAME:Edgeless Ground-500mm-RGBW-ALL-50D-REV1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:50 DEG	DIM.:500mm	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	1054	1051	1054	1051															
5	1004	1029	1061	1032															
10	925	962	1002	967															
15	814	846	873	849															
20	669	686	697	690															
25	502	514	507	518															
30	336	362	319	364															
35	198	248	173	244															
40	109	164	78.5	161															
45	57.9	108	35.9	108															
50	30.8	72.8	17.8	71.7															
55	16.1	50.0	8.96	48.8															
60	7.58	35.0	3.84	34.1															
65	2.78	24.4	1.96	24.1															
70	1.85	16.2	1.39	15.8															
75	1.31	9.56	0.91	9.19															
80	0.82	5.31	0.51	5.27															
85	0.41	2.90	0.15	3.15															
90	0.15	2.23	0.07	1.93															
95	0.15	2.69	0.06	2.79															
100	0.15	2.58	0.07	2.82															
105	0.15	2.30	0.09	2.48															
110	0.15	2.17	0.11	1.58															
115	0.17	1.77	0.13	0.84															
120	0.21	1.25	0.18	0.43															
125	0.30	1.08	0.26	0.39															
130	0.48	1.17	0.40	0.48															
135	0.76	1.41	0.62	0.73															
140	1.17	1.67	0.95	1.12															
145	1.65	2.04	1.33	1.72															
150	2.19	2.43	1.83	2.24															
155	2.74	2.90	2.33	2.56															
160	3.23	3.33	2.81	2.95															
165	3.65	3.71	3.30	3.36															
170	4.00	4.01	3.73	3.76															
175	4.23	4.28	4.14	4.12															
180	4.30	4.37	4.31	4.35															

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: