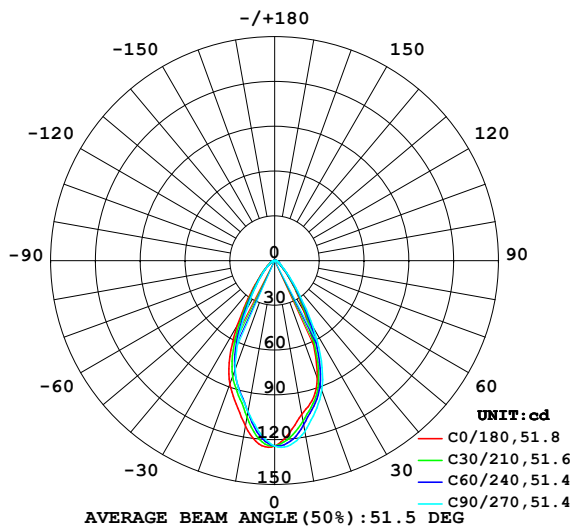


## LUMINAIRE PHOTOMETRIC TEST REPORT

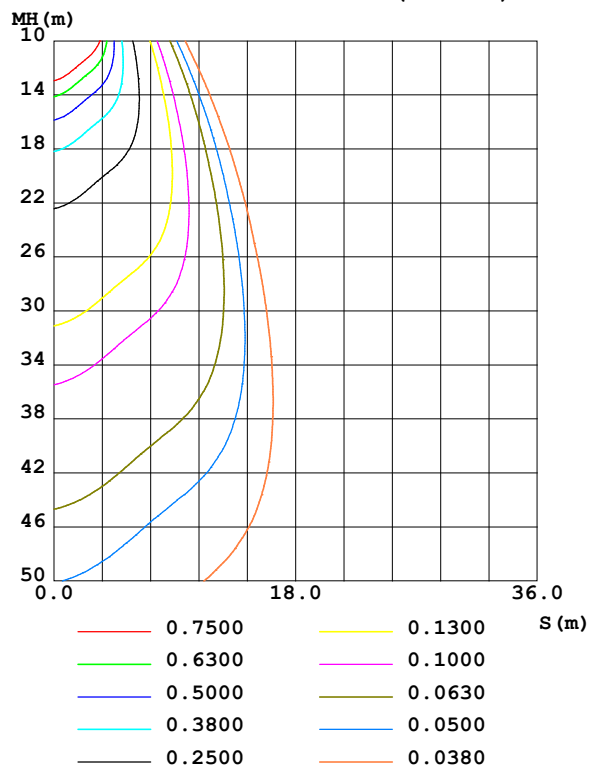
Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 63.94 lm/W
MODEL	DC12V-24V	I <sub>max</sub> (cd)	126.4	S/MH(C0/180)	0.83	
NOMINAL POWER(W)	2	LOR(%)	100.0	S/MH(C90/270)	0.75	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	104.23	□ UP,DN(C0-180)	0.0,52.6	
NOMINAL FLUX(lm)	104.23	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,47.4	
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	219.5	□ down (%)	100.0	CIBSE SHR MAX	0.85	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: XLEN  
Test Date: 2022-06-17

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 9.420m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	104.8	111.0	116.2	119.4	112.6	104.1	102.8	101.3	0- 10	11.06	11.06	10.6,10.6
20	83.55	88.01	92.22	94.17	87.80	79.93	77.29	79.35	10- 20	27.39	38.45	36.9,36.9
30	40.22	45.39	51.46	54.82	49.73	42.86	38.14	37.95	20- 30	29.95	68.40	65.6,65.6
40	15.60	16.67	18.78	20.05	18.96	16.73	15.79	15.55	30- 40	17.99	86.39	82.9,82.9
50	6.207	6.472	7.179	7.724	7.729	7.131	6.790	6.409	40- 50	8.602	94.99	91.1,91.1
60	3.311	3.253	3.549	3.563	3.631	3.413	3.241	3.279	50- 60	4.326	99.32	95.3,95.3
70	1.925	1.874	2.073	2.123	2.203	2.109	1.956	1.940	60- 70	2.637	102.0	97.8,97.8
80	0.8870	0.8179	0.9316	0.9308	1.005	1.014	0.8739	0.8932	70- 80	1.408	103.4	99.2,99.2
90	0.7493	0.7176	0.7411	0.7271	0.7555	0.7302	0.7348	0.7335	80- 90	0.8652	104.2	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): 91.476 lm

%lum = 87.8%

%lamp = 87.8%

Conical surface Flux(130deg): 100.77 lm

%lum = 96.7%

%lamp = 96.7%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:XLEN  
 Test Date:2022-06-17

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:9.420m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz

Lamp Flux:104.23x1 lm

NAME: 2W调焦磁吸轨道灯

TYPE:

WEIGHT:

SPEC.: 4000K/黑色8-60度

DIM.:

SERIAL No.:

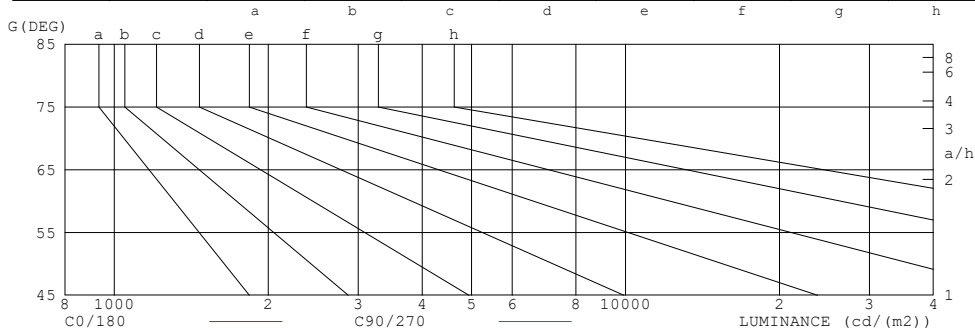
MFR.: EVERFINE

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	89	89
80	52	54
75	43	46
70	57	61
65	63	65
60	67	71
55	77	85
50	98	112
45	139	161

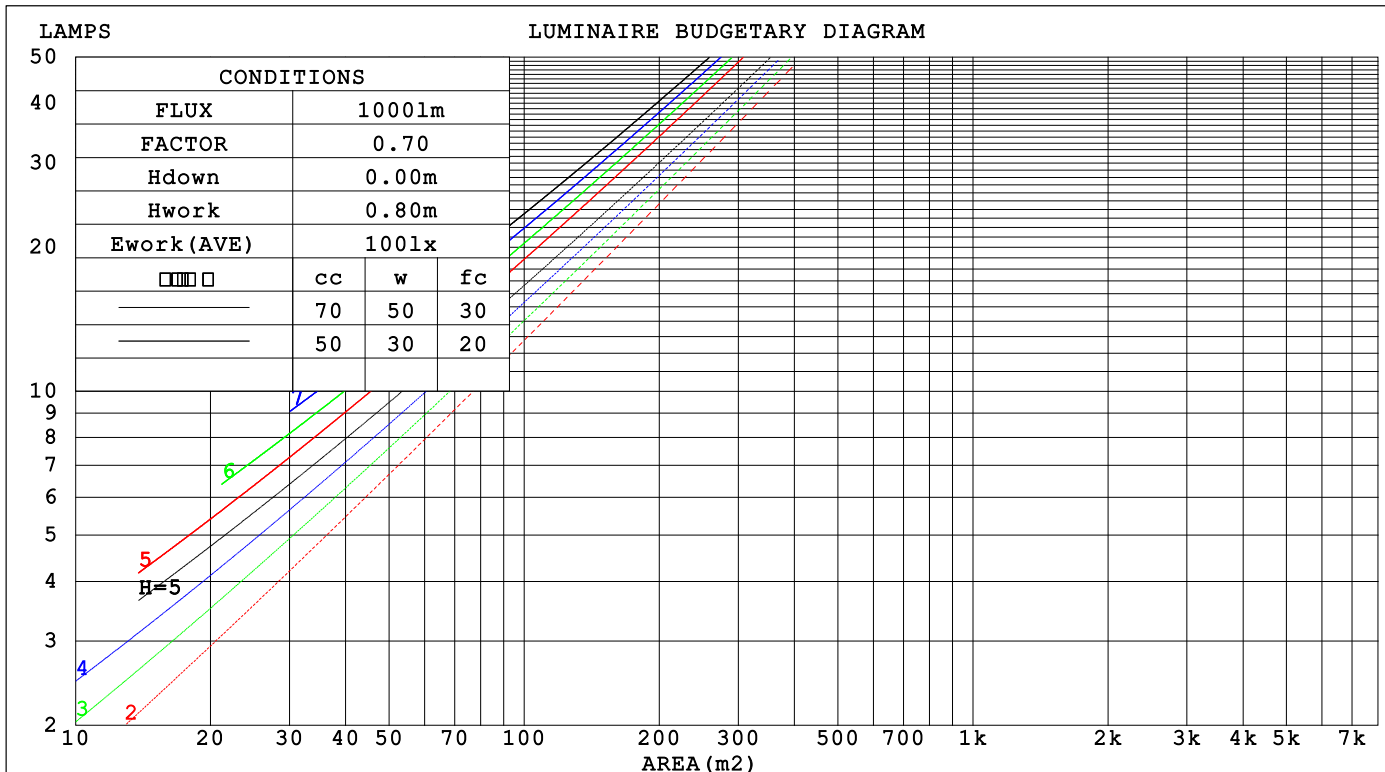
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2W调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0														
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
□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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.92														
2.0	1.01	.96	.92	.99	.95	.91	.96	.92	.89	.93	.90	.87	.90	.88	.86	.84														
3.0	.93	.88	.83	.92	.87	.83	.89	.85	.81	.87	.83	.80	.84	.81	.79	.77														
4.0	.87	.81	.76	.85	.80	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71														
5.0	.81	.74	.70	.80	.74	.69	.78	.73	.69	.76	.72	.68	.75	.71	.67	.66														
6.0	.75	.69	.64	.75	.69	.64	.73	.68	.64	.72	.67	.63	.70	.66	.63	.61														
7.0	.71	.64	.60	.70	.64	.60	.69	.63	.59	.68	.63	.59	.66	.62	.59	.57														
8.0	.67	.60	.56	.66	.60	.56	.65	.59	.56	.64	.59	.55	.63	.58	.55	.54														
9.0	.63	.57	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.60	.55	.52	.50														
10.0	.59	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.57	.52	.49	.47														



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients(WEC)			
0.0						
1.0	.204 .116 .037	.197 .113 .036	.185 .106 .034	.173 .100 .032	.162 .094 .030	
2.0	.193 .106 .032	.187 .103 .032	.176 .098 .030	.166 .093 .029	.157 .089 .028	
3.0	.181 .096 .029	.176 .094 .028	.167 .090 .027	.158 .087 .027	.150 .083 .026	
4.0	.171 .089 .026	.166 .087 .026	.158 .084 .025	.151 .081 .024	.144 .078 .024	
5.0	.161 .082 .024	.157 .081 .024	.150 .078 .023	.144 .076 .023	.138 .074 .022	
6.0	.152 .076 .022	.149 .075 .022	.143 .073 .021	.137 .071 .021	.132 .069 .021	
7.0	.145 .072 .020	.142 .071 .020	.136 .069 .020	.131 .067 .020	.126 .066 .019	
8.0	.138 .067 .019	.135 .066 .019	.130 .065 .019	.125 .064 .018	.121 .062 .018	
9.0	.131 .063 .018	.129 .063 .018	.124 .061 .017	.120 .060 .017	.116 .059 .017	
10.0	.125 .060 .017	.123 .059 .017	.119 .058 .016	.115 .057 .016	.112 .056 .016	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> 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	.173 .157 .143	.148 .135 .123	.101 .093 .085	.058 .054 .049	.019 .017 .016	
2.0	.159 .132 .110	.136 .114 .095	.093 .079 .066	.054 .046 .039	.017 .015 .013	
3.0	.147 .114 .087	.126 .098 .075	.087 .068 .053	.050 .040 .031	.016 .013 .010	
4.0	.137 .099 .070	.118 .086 .061	.081 .060 .043	.047 .035 .025	.015 .011 .008	
5.0	.129 .088 .057	.111 .076 .050	.076 .053 .035	.044 .031 .021	.014 .010 .007	
6.0	.122 .079 .048	.104 .068 .042	.072 .048 .030	.042 .028 .018	.013 .009 .006	
7.0	.115 .071 .041	.099 .062 .035	.068 .043 .025	.040 .026 .015	.013 .008 .005	
8.0	.109 .065 .035	.094 .056 .030	.065 .040 .022	.038 .023 .013	.012 .008 .004	
9.0	.104 .060 .030	.089 .052 .026	.062 .037 .019	.036 .022 .011	.012 .007 .004	
10.0	.099 .056 .027	.085 .048 .023	.059 .034 .016	.035 .020 .010	.011 .007 .003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm										
NAME: 2W调焦磁吸轨道灯					TYPE:			WEIGHT:		
SPEC.: 4000K/黑色8-60度					DIM.:			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	9.3	10.3	9.5	10.5	10.7	9.9	10.9	10.1	11.1	11.3
3H	9.8	10.8	10.1	11.0	11.2	10.4	11.3	10.6	11.5	11.7
4H	9.9	10.8	10.2	11.1	11.3	10.5	11.4	10.8	11.7	11.9
6H	10.1	11.0	10.4	11.2	11.5	10.7	11.5	11.0	11.8	12.0
8H	10.2	11.1	10.6	11.3	11.6	10.8	11.6	11.1	11.9	12.1
12H	10.4	11.2	10.8	11.5	11.8	11.0	11.8	11.3	12.0	12.3
4H 2H	9.4	10.3	9.7	10.5	10.8	10.0	10.9	10.2	11.1	11.3
3H	10.1	10.9	10.4	11.2	11.4	10.6	11.4	10.9	11.7	11.9
4H	10.3	11.0	10.7	11.3	11.6	10.8	11.5	11.2	11.8	12.1
6H	10.6	11.2	11.0	11.6	11.9	11.1	11.7	11.5	12.1	12.4
8H	10.8	11.4	11.2	11.7	12.1	11.3	11.9	11.7	12.2	12.6
12H	11.1	11.7	11.5	12.0	12.4	11.6	12.1	12.0	12.5	12.9
8H 4H	10.4	10.9	10.8	11.3	11.7	10.8	11.4	11.2	11.8	12.2
6H	10.8	11.3	11.2	11.7	12.1	11.3	11.7	11.7	12.1	12.6
8H	11.1	11.5	11.6	12.0	12.4	11.6	12.0	12.0	12.4	12.9
12H	11.6	12.0	12.1	12.4	12.9	12.0	12.4	12.5	12.9	13.3
12H 4H	10.4	10.9	10.8	11.3	11.7	10.8	11.4	11.2	11.7	12.1
6H	10.8	11.3	11.3	11.7	12.1	11.3	11.7	11.7	12.1	12.6
8H	11.2	11.6	11.7	12.0	12.5	11.7	12.0	12.1	12.5	12.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.9 / - 1.1					+ 1.2 / - 1.2				
1.5H	+ 1.6 / - 0.9					+ 2.1 / - 1.1				
2.0H	+ 1.5 / - 0.6					+ 1.8 / - 0.8				

CIE Pub.117, 104.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.9)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

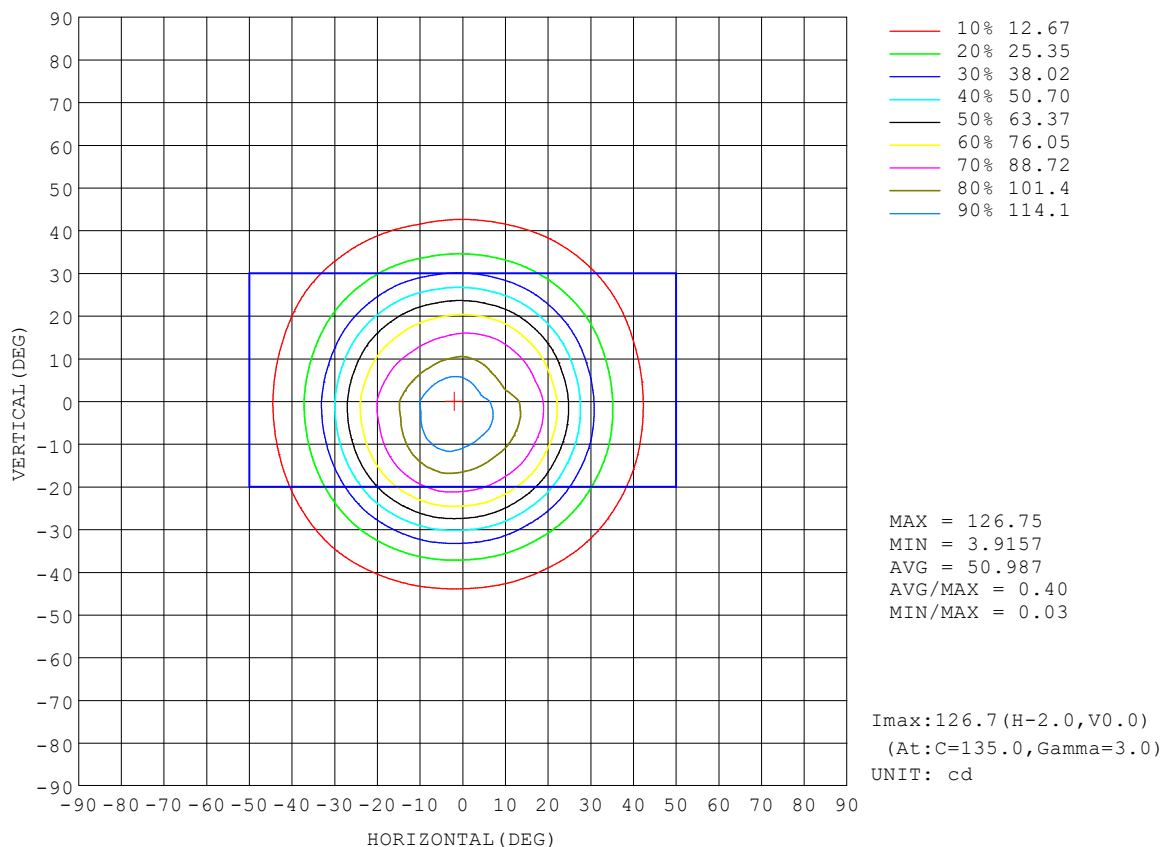
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	73	69	80	73	69	79	73	69	65
0.80	89	82	77	88	82	77	87	81	77	73
1.00	94	88	83	93	87	83	92	87	82	78
1.25	99	93	89	98	92	88	96	91	87	83
1.50	102	96	92	101	96	92	99	94	91	86
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	100	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	114	111	108	111	109	107	107	105	104	96
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: XLEN  
 Test Date: 2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity: 65.0%  
 Test Distance: 9.420m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



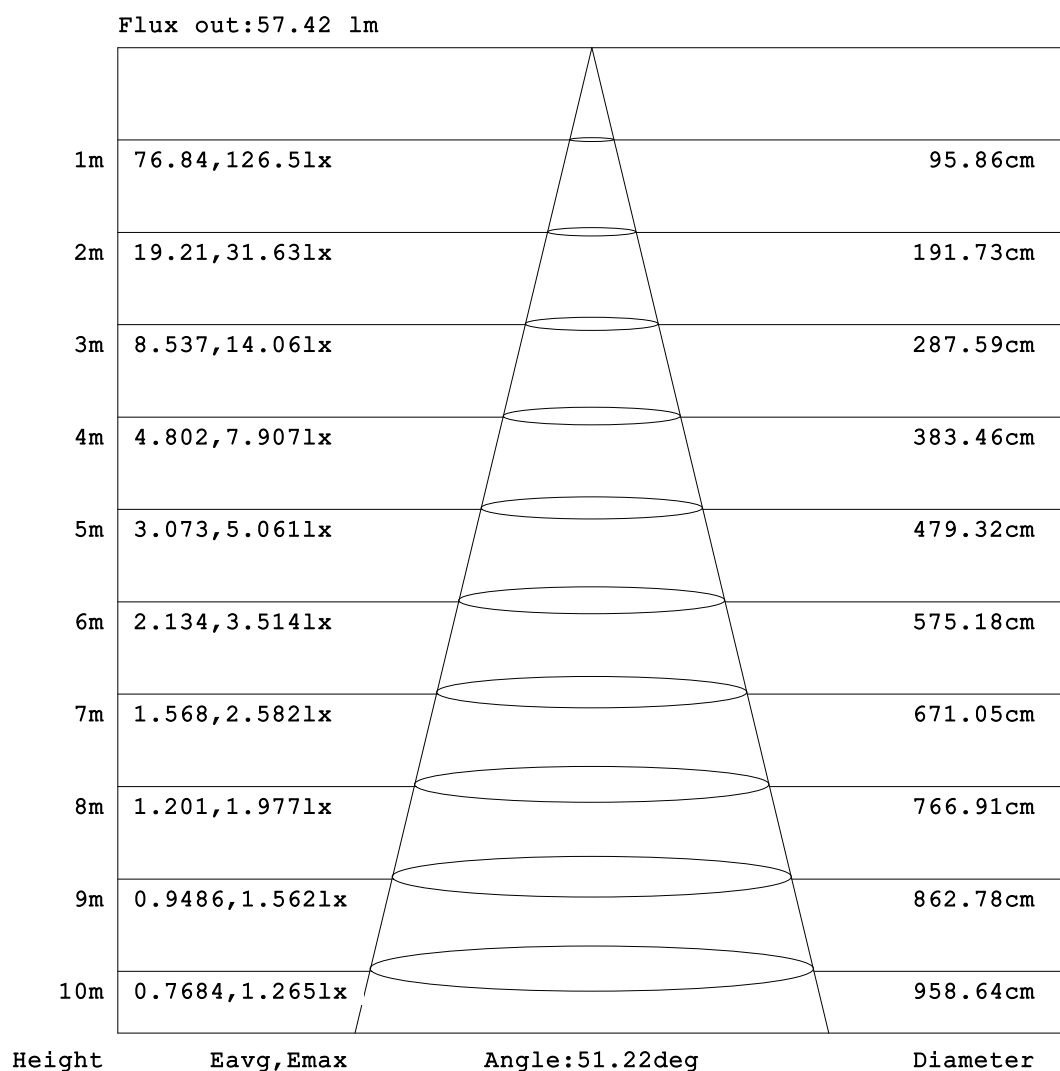
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



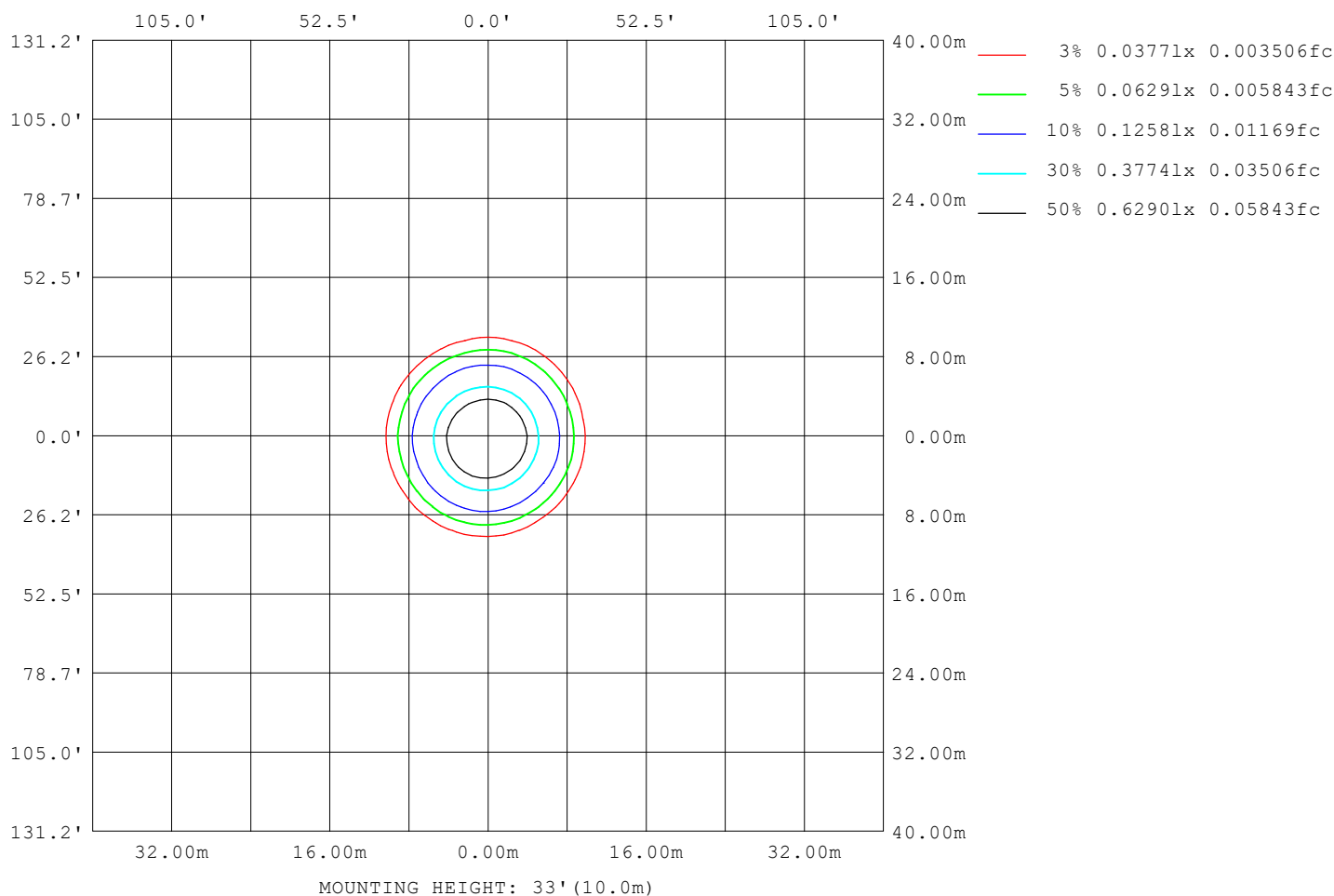
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: XLEN  
Test Date: 2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 9.420m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2w调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

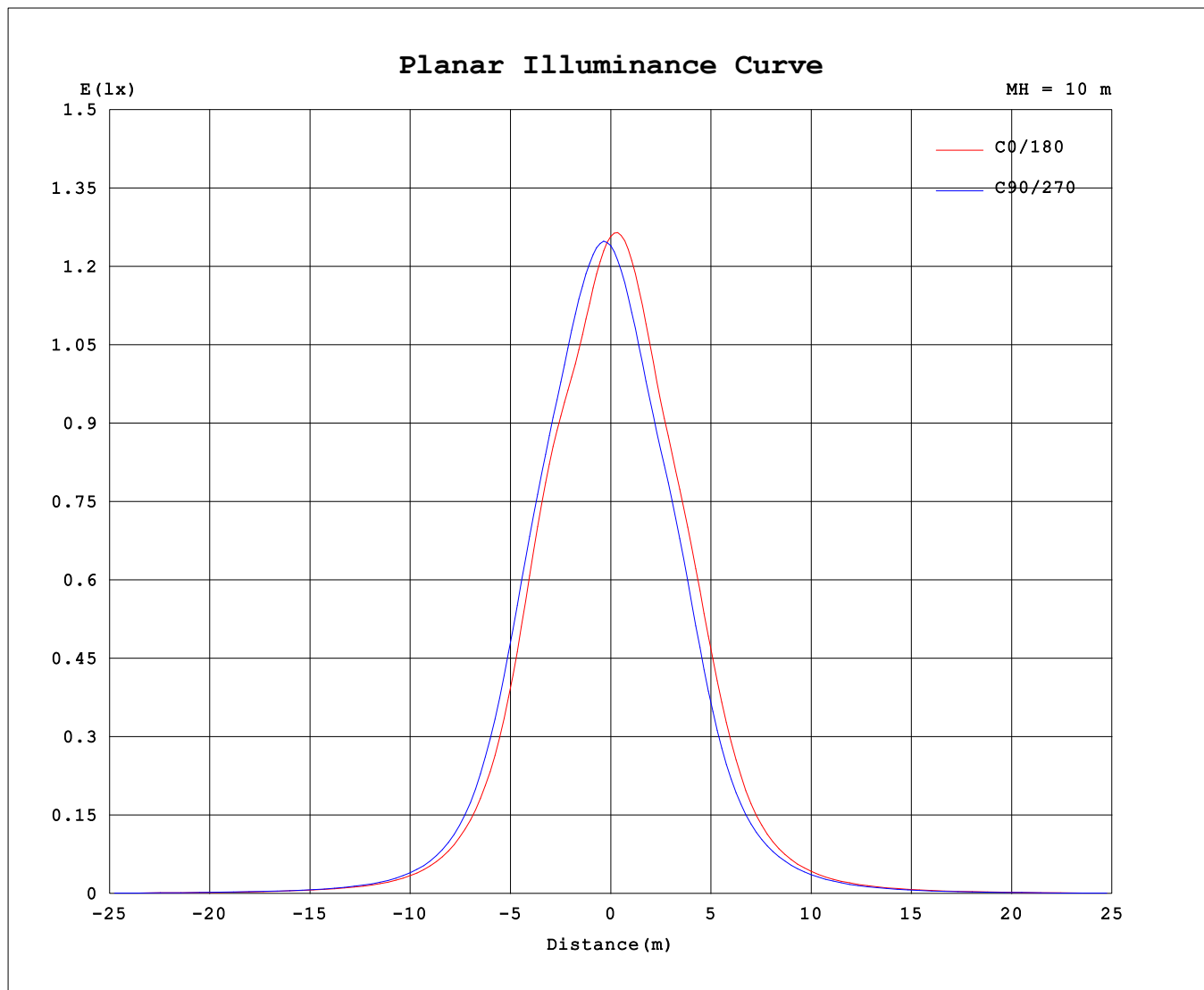
AvgL	cd/m2
L_0~180 (65) av	64
L_0~180 (75) av	50
L_0~180 (85) av	88
L_90~270 (65) av	62
L_90~270 (75) av	46
L_90~270 (85) av	86
L_45 (65) av	62
L_45 (75) av	47
L_45 (85) av	86

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:XLEN  
 Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:9.420m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: XLEN  
Test Date: 2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 9.420m [K=1.0000]  
Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:9.420m [K=1.0000]
Remarks:

```

Test:U:24.000V I:0.0680A P:1.6300W PF:0.0000 Freq:49.99Hz Lamp Flux:104.23x1 lm		
NAME: 2W调焦磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色8-60度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:9.420m [K=1.0000]
Remarks:

```