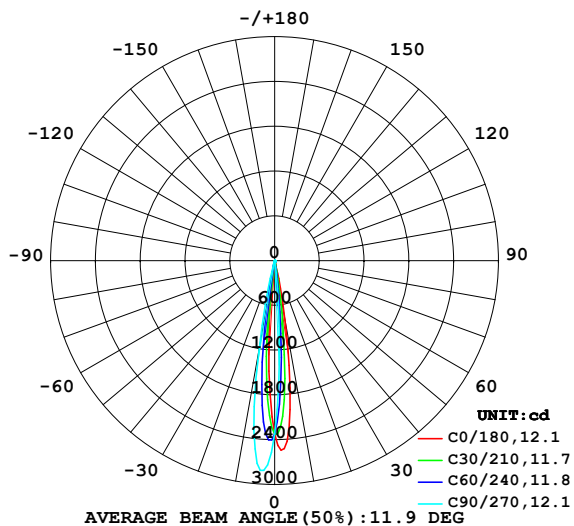


## LUMINAIRE PHOTOMETRIC TEST REPORT

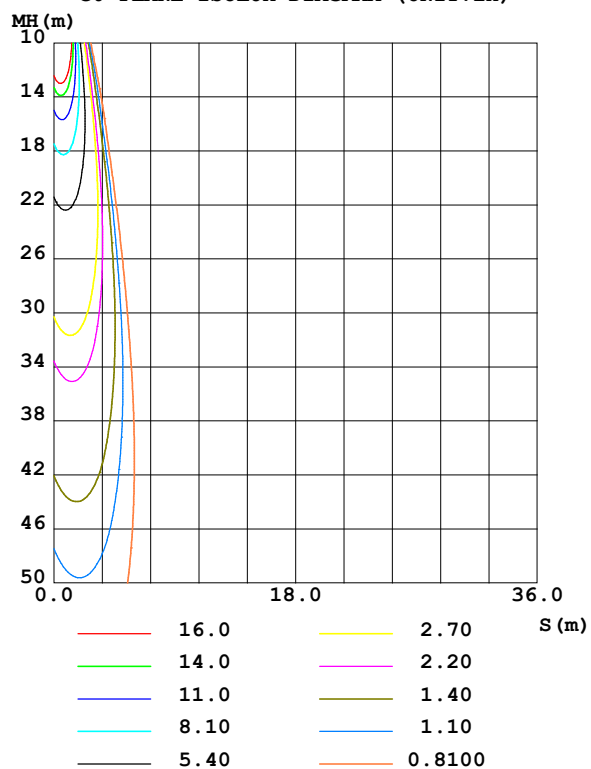
Test:U:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3w磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 63.29 lm/W
MODEL	DC12V-24V	I <sub>max</sub> (cd)	3270	S/MH (C0/180)	0.14	
NOMINAL POWER(W)	3	LOR (%)	100.0	S/MH (C90/270)	0.30	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	170.26	□ UP,DN (C0-180)	0.0,27.5	
NOMINAL FLUX(lm)	170.258	CIE CLASS	DIRECT	□ UP,DN (C180-360)	0.0,72.5	
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	219.5	□ down (%)	100.0	CIBSE SHR MAX	0.00	

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	810.4	209.8	68.20	51.58	104.5	337.0	1233	1919	0- 10	121.2	121.2	71.2, 71.2
20	22.70	16.51	11.14	8.308	12.59	17.51	27.69	41.56	10- 20	39.52	160.7	94.4, 94.4
30	4.913	3.173	3.426	2.706	2.989	3.730	5.339	7.815	20- 30	4.288	165.0	96.9, 96.9
40	2.944	2.765	3.194	3.037	3.129	3.097	3.334	3.442	30- 40	2.035	167.1	98.1, 98.1
50	2.914	2.235	1.214	0.6547	1.288	2.322	3.217	3.368	40- 50	2.195	169.3	99.4, 99.4
60	0.3749	0.1247	0.0987	0.0064	0.0414	0.1316	0.3401	0.7489	50- 60	0.9175	170.2	99.9, 99.9
70	0.0593	0	0.0198	0	0	0.0313	0	0.0645	60- 70	0.0780	170.2	100, 100
80	0.0060	0	0	0	0	0.0000	0	0.0129	70- 80	0.0092	170.3	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0002	170.3	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): 168.19 lm

%lum = 98.8%

%lamp = 98.8%

Conical surface Flux(130deg): 170.23 lm

%lum = 100.0%

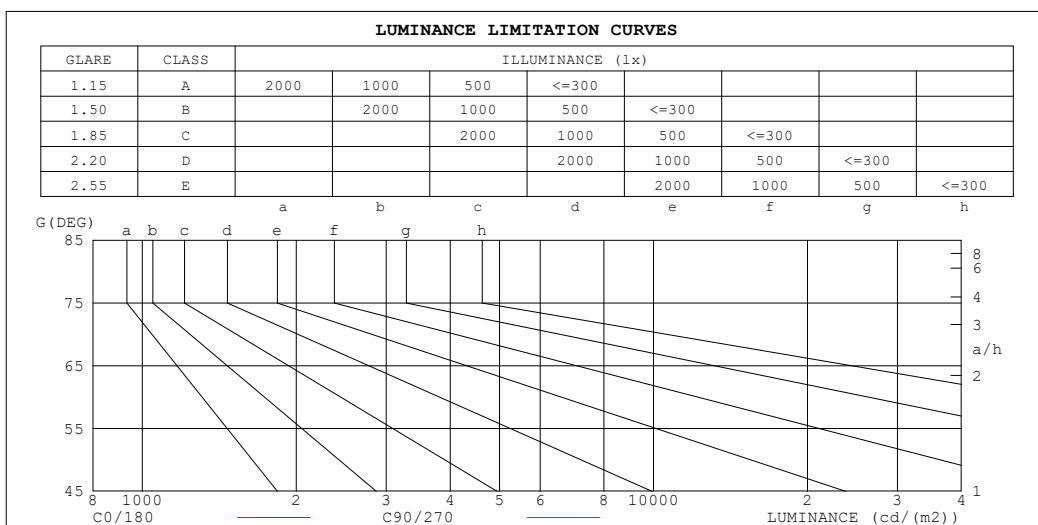
%lamp = 100.0%

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:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



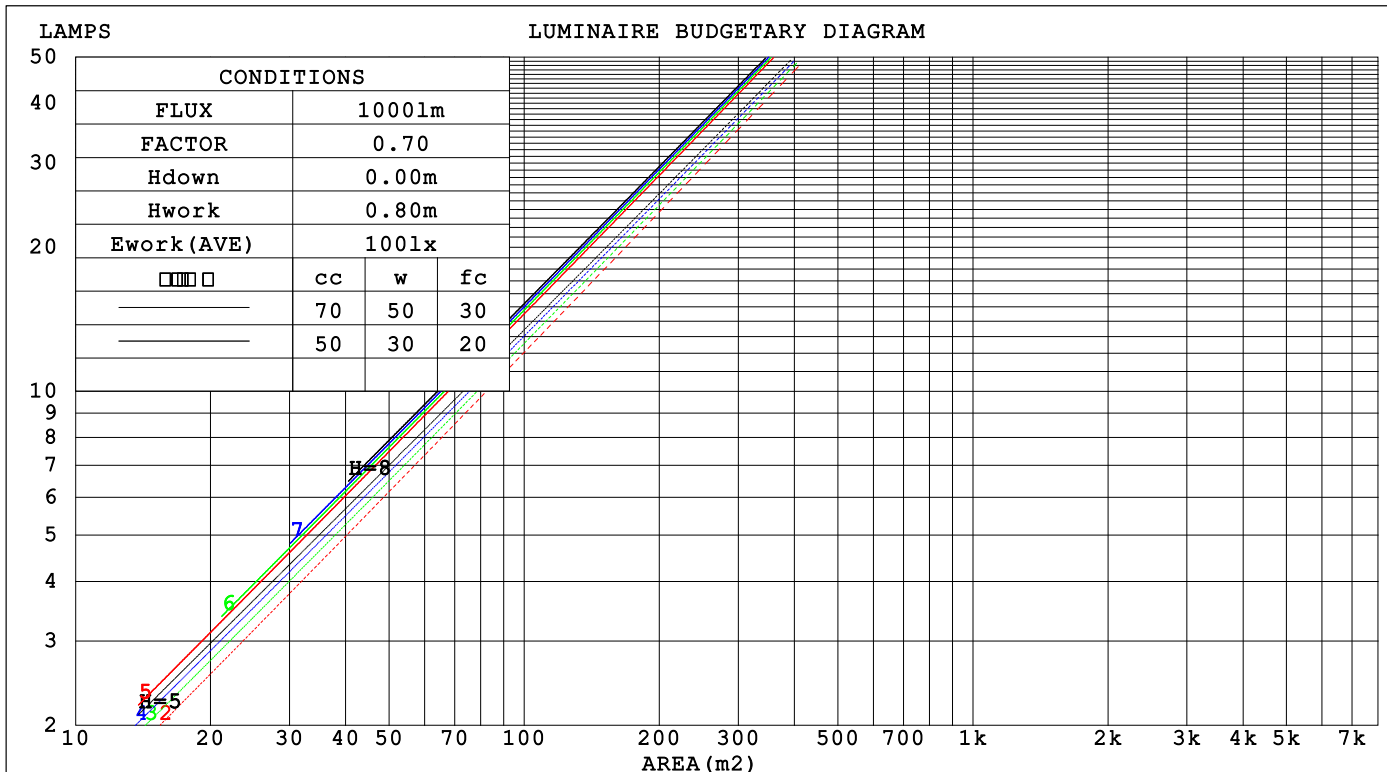
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ 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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20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	1.14	1.13	1.11	1.12	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.01	1.01	1.00	.99
2.0	1.10	1.08	1.06	1.09	1.07	1.05	1.06	1.04	1.03	1.03	1.02	1.00	1.00	.99	.98	.97
3.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.01	.00	1.01	.00	.98	.99	.98	.97	.96
4.0	1.04	1.01	.99	1.03	1.01	.99	1.02	.99	.98	.00	.98	.96	.98	.97	.95	.94
5.0	1.02	.99	.97	1.01	.99	.96	.00	.98	.96	.99	.96	.95	.97	.96	.94	.93
6.0	1.00	.97	.95	.00	.97	.95	.98	.96	.94	.97	.95	.94	.96	.94	.93	.92
7.0	.99	.96	.93	.98	.95	.93	.97	.95	.93	.96	.94	.92	.95	.93	.92	.91
8.0	.97	.94	.92	.97	.94	.92	.96	.93	.92	.95	.93	.91	.94	.92	.91	.90
9.0	.96	.93	.91	.95	.93	.91	.95	.92	.91	.94	.92	.90	.93	.91	.90	.89
10.0	.94	.92	.90	.94	.92	.90	.94	.91	.90	.93	.91	.89	.93	.91	.89	.89



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:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20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	.112 .063 .020	.105 .060 .019	.093 .053 .017	.081 .047 .015	.071 .041 .013	
2.0	.101 .055 .017	.096 .053 .016	.086 .048 .015	.076 .043 .013	.068 .038 .012	
3.0	.092 .049 .015	.088 .047 .014	.080 .043 .013	.072 .039 .012	.065 .036 .011	
4.0	.085 .044 .013	.081 .042 .013	.074 .039 .012	.068 .036 .011	.062 .034 .010	
5.0	.078 .040 .012	.075 .039 .011	.069 .036 .011	.064 .034 .010	.059 .032 .010	
6.0	.073 .036 .010	.070 .035 .010	.065 .033 .010	.061 .032 .009	.057 .030 .009	
7.0	.068 .034 .010	.066 .033 .009	.062 .031 .009	.058 .030 .009	.054 .028 .008	
8.0	.064 .031 .009	.062 .030 .009	.058 .029 .008	.055 .028 .008	.052 .027 .008	
9.0	.060 .029 .008	.059 .029 .008	.055 .027 .008	.053 .026 .008	.050 .025 .007	
10.0	.057 .027 .008	.056 .027 .007	.053 .026 .007	.050 .025 .007	.048 .024 .007	

<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	.167 .158 .150	.143 .136 .129	.097 .093 .089	.056 .054 .052	.018 .017 .017	
2.0	.147 .133 .121	.126 .114 .105	.086 .079 .073	.050 .046 .043	.016 .015 .014	
3.0	.130 .113 .099	.112 .098 .086	.077 .068 .060	.044 .040 .036	.014 .013 .012	
4.0	.116 .097 .083	.100 .084 .072	.069 .059 .051	.040 .034 .030	.013 .011 .010	
5.0	.105 .085 .070	.090 .073 .061	.062 .051 .043	.036 .030 .025	.012 .010 .008	
6.0	.095 .074 .059	.081 .064 .052	.056 .045 .037	.033 .026 .022	.010 .009 .007	
7.0	.086 .065 .051	.074 .057 .045	.051 .040 .032	.030 .023 .019	.010 .008 .006	
8.0	.079 .058 .044	.068 .051 .039	.047 .035 .027	.027 .021 .016	.009 .007 .005	
9.0	.072 .052 .039	.062 .045 .034	.043 .032 .024	.025 .019 .014	.008 .006 .005	
10.0	.067 .047 .034	.058 .041 .030	.040 .029 .021	.023 .017 .013	.008 .006 .004	

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:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm										
NAME: 3W磁吸轨道灯					TYPE:			WEIGHT:		
SPEC.: 4000K/黑色/OSRAM/20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	-4.2	-3.7	-4.0	-3.6	-3.4	-6.5	-6.0	-6.3	-5.8	-5.7
3H	-4.3	-3.8	-4.1	-3.7	-3.5	-6.6	-6.1	-6.4	-6.0	-5.8
4H	-4.4	-3.9	-4.1	-3.7	-3.5	-6.7	-6.2	-6.4	-6.0	-5.8
6H	-4.4	-4.0	-4.2	-3.8	-3.6	-6.7	-6.3	-6.5	-6.1	-5.9
8H	-4.5	-4.1	-4.2	-3.8	-3.6	-6.8	-6.4	-6.5	-6.2	-5.9
12H	-4.5	-4.1	-4.2	-3.9	-3.6	-6.8	-6.4	-6.5	-6.2	-5.9
4H 2H	-4.3	-3.9	-4.1	-3.7	-3.5	-6.5	-6.1	-6.3	-5.9	-5.7
3H	-4.5	-4.1	-4.2	-3.9	-3.6	-6.7	-6.3	-6.4	-6.1	-5.8
4H	-4.6	-4.2	-4.3	-4.0	-3.7	-6.8	-6.4	-6.5	-6.2	-5.9
6H	-4.7	-4.4	-4.3	-4.1	-3.7	-6.9	-6.6	-6.6	-6.3	-5.9
8H	-4.8	-4.5	-4.4	-4.1	-3.8	-7.0	-6.7	-6.6	-6.3	-6.0
12H	-4.8	-4.5	-4.4	-4.2	-3.8	-7.0	-6.8	-6.6	-6.4	-6.0
8H 4H	-4.8	-4.5	-4.4	-4.1	-3.8	-7.0	-6.7	-6.6	-6.3	-6.0
6H	-4.9	-4.6	-4.5	-4.2	-3.8	-7.1	-6.8	-6.7	-6.4	-6.0
8H	-5.0	-4.7	-4.5	-4.3	-3.9	-7.2	-6.9	-6.7	-6.5	-6.1
12H	-5.0	-4.8	-4.6	-4.4	-3.9	-7.2	-7.0	-6.8	-6.6	-6.1
12H 4H	-4.8	-4.5	-4.4	-4.2	-3.8	-7.0	-6.8	-6.6	-6.4	-6.0
6H	-5.0	-4.7	-4.5	-4.3	-3.9	-7.2	-6.9	-6.7	-6.5	-6.1
8H	-5.0	-4.8	-4.6	-4.4	-3.9	-7.2	-7.0	-6.8	-6.6	-6.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 4.7					+ 2.7 / -15.0				
1.5H	+ 1.8 / - 3.6					+ 1.9 / - 7.3				
2.0H	+ 4.4 / -14.2					+ 5.9 / -21.2				

CIE Pub.117, 170.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.2)  
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:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

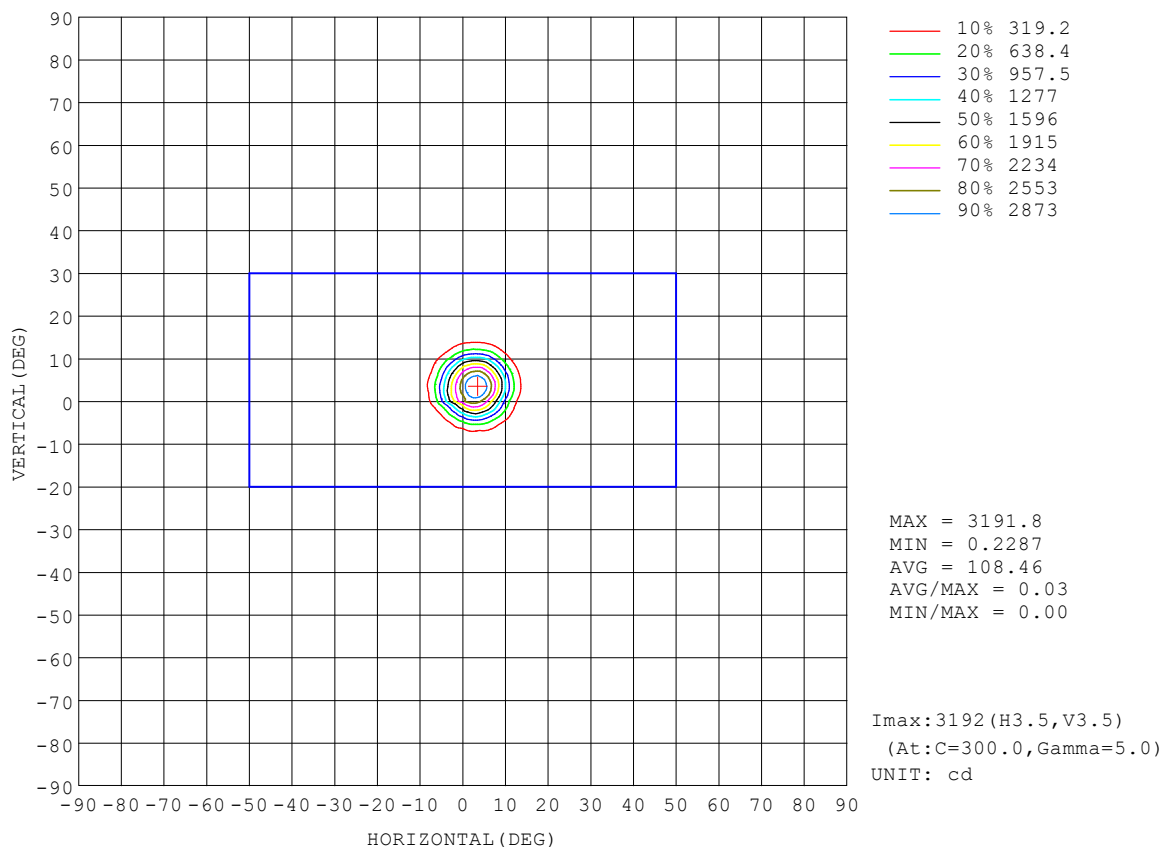
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
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:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



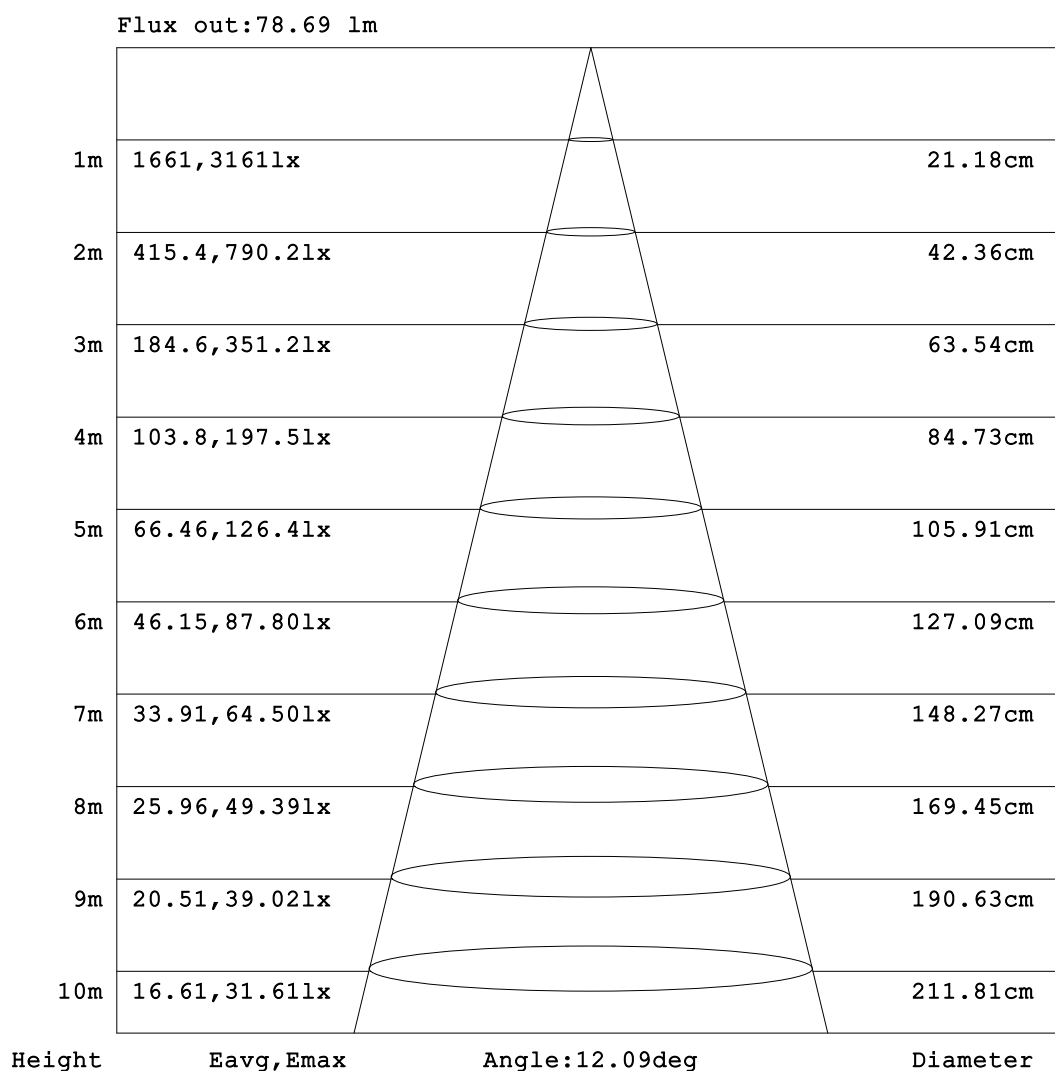
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:XLEN  
 Test Date:2022-06-17

☐ 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:



**AAI Figure**

Test:U:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

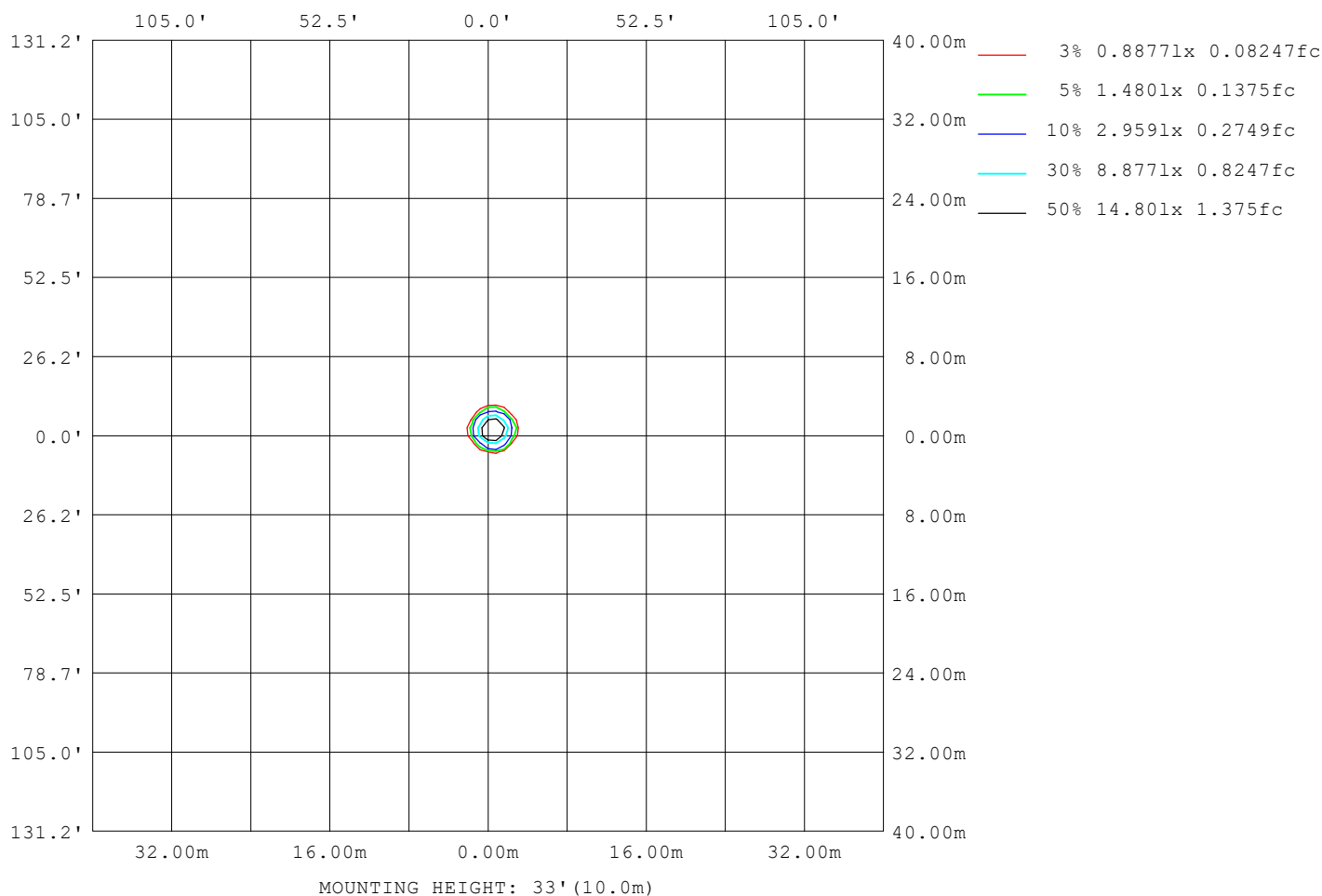


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:XLEN  
 Test Date:2022-06-17

☐ 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:

# ISOLUX DIAGRAM

Test:U:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20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:11.990V I:0.2250A P:2.6900W PF:0.0000 Freq:49.99Hz Lamp Flux:170.258x1 lm		
NAME: 3W磁吸轨道灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色/OSRAM/20度	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

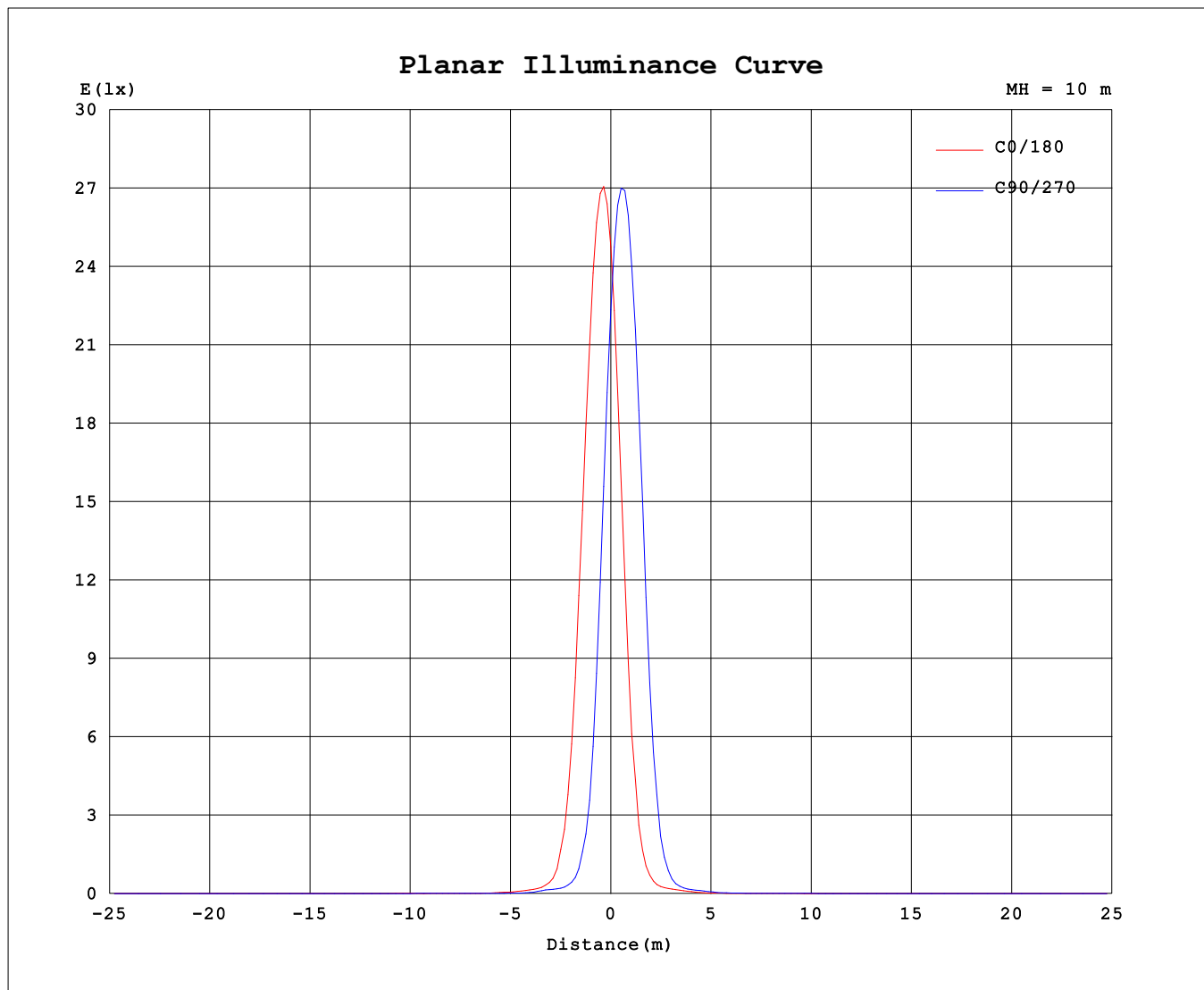
AvgL	cd/m2
L_0~180 (65) av	1
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	2
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	1
L_45 (75) av	0
L_45 (85) av	0

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:

```

```

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:

```