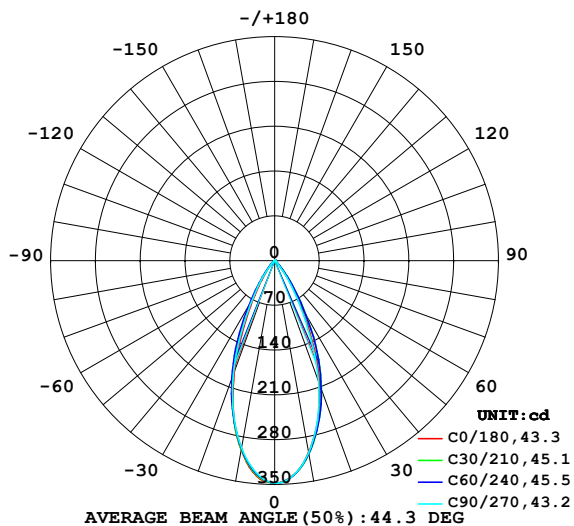


LUMINAIRE PHOTOMETRIC TEST REPORT

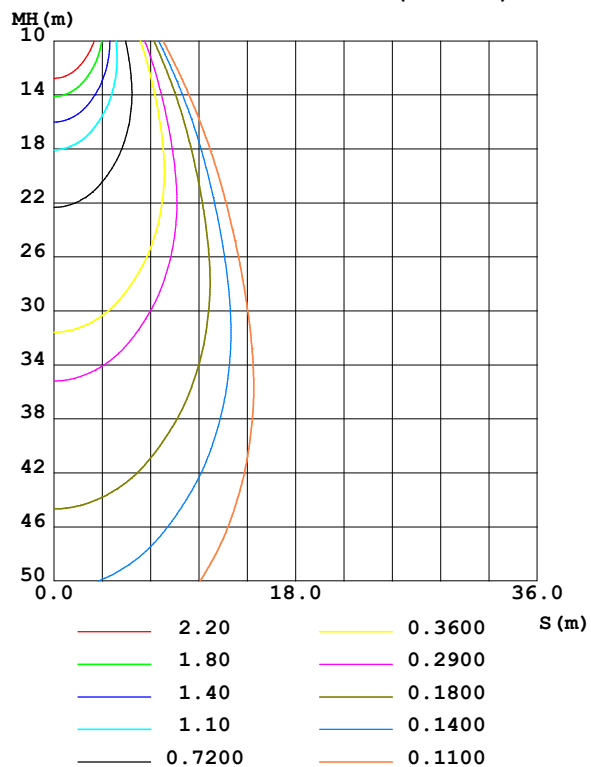
Test:U:24.000V I:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 46.35 lm/W
MODEL	DC24V	I _{max} (cd)	347.9	S/MH (C0/180)	0.66	
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	0.67	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	203.94	□ UP, DN (C0-180)	0.0, 51.1	
NOMINAL FLUX (lm)	203.94	CIE CLASS	DIRECT	□ UP, DN (C180-360)	0.0, 48.9	
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	219.5	□ down (%)	100.0	CIBSE SHR MAX	0.75	

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	305.2	308.9	305.3	304.4	301.0	299.0	297.7	302.6	0- 10	31.01	31.01	15.2,15.2
20	205.3	218.1	200.4	203.8	184.3	195.9	189.1	209.3	10- 20	70.60	101.6	49.8,49.8
30	82.26	112.6	76.12	90.95	62.98	84.08	69.88	104.3	20- 30	63.20	164.8	80.8,80.8
40	19.61	29.02	17.07	21.49	13.27	20.09	15.86	26.74	30- 40	28.31	193.1	94.7,94.7
50	2.490	4.965	1.995	3.378	1.332	3.177	1.772	4.542	40- 50	7.203	200.3	98.2,98.2
60	0.7903	0.7671	0.7901	0.7371	0.7658	0.7610	0.7774	0.8335	50- 60	1.151	201.5	98.8,98.8
70	0.7903	0.7609	0.7838	0.7435	0.7719	0.7546	0.7774	0.7628	60- 70	0.7664	202.2	99.2,99.2
80	0.7903	0.7609	0.7838	0.7435	0.7842	0.7546	0.7966	0.7627	70- 80	0.8232	203.1	99.6,99.6
90	0.8087	0.7609	0.8029	0.7435	0.7842	0.7546	0.8029	0.7627	80- 90	0.8749	203.9	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): 198.18 lm

%lum = 97.2%

%lamp = 97.2%

Conical surface Flux(130deg): 201.85 lm

%lum = 99.0%

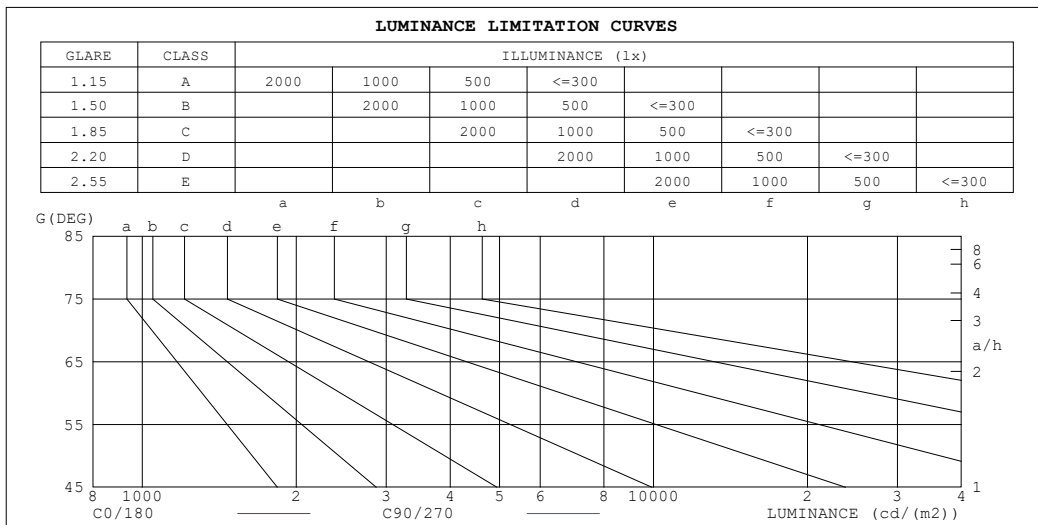
%lamp = 99.0%

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:24.000V I:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



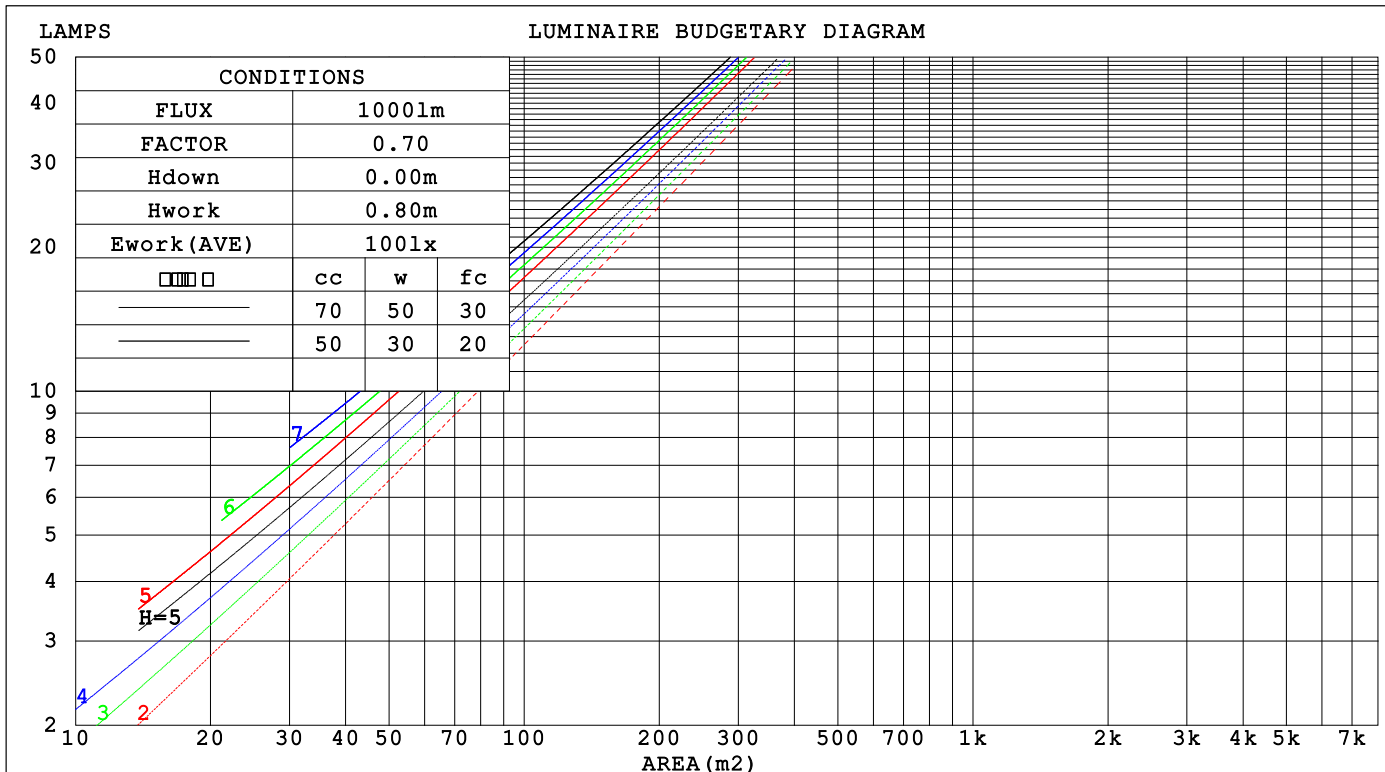
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: XLEN
Test Date: 2022-06-17

☐ 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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.77	.73	.80	.76	.72	.79	.75	.72	.78	.74	.71	.70
7.0	.78	.73	.69	.78	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.68	.66
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
9.0	.71	.65	.62	.70	.65	.62	.69	.65	.61	.69	.64	.61	.68	.64	.61	.60
10.0	.68	.62	.59	.67	.62	.59	.66	.62	.58	.66	.61	.58	.65	.61	.58	.57



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:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	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	.172 .098 .031	.165 .094 .030	.153 .088 .028	.141 .081 .026	.130 .076 .024	
2.0	.161 .088 .027	.156 .086 .026	.145 .081 .025	.135 .076 .024	.126 .072 .023	
3.0	.152 .081 .024	.147 .079 .024	.138 .075 .023	.130 .071 .022	.122 .068 .021	
4.0	.144 .075 .022	.140 .073 .022	.132 .070 .021	.125 .067 .020	.118 .064 .020	
5.0	.137 .070 .020	.133 .068 .020	.126 .066 .019	.120 .063 .019	.114 .061 .018	
6.0	.130 .065 .019	.127 .064 .018	.121 .062 .018	.116 .060 .018	.111 .058 .017	
7.0	.124 .061 .017	.121 .061 .017	.116 .059 .017	.112 .057 .017	.107 .056 .016	
8.0	.119 .058 .016	.116 .057 .016	.112 .056 .016	.108 .054 .016	.103 .053 .015	
9.0	.114 .055 .015	.112 .054 .015	.108 .053 .015	.104 .052 .015	.100 .051 .015	
10.0	.109 .052 .015	.107 .052 .014	.104 .051 .014	.100 .050 .014	.097 .049 .014	

<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	.171 .157 .145	.146 .135 .125	.100 .093 .086	.058 .054 .050	.018 .017 .016	
2.0	.155 .133 .114	.133 .114 .098	.091 .079 .069	.052 .046 .040	.017 .015 .013	
3.0	.142 .114 .091	.122 .098 .079	.083 .068 .055	.048 .040 .033	.015 .013 .011	
4.0	.131 .099 .074	.112 .085 .064	.077 .059 .045	.045 .035 .027	.014 .011 .009	
5.0	.122 .087 .061	.105 .075 .053	.072 .053 .038	.042 .031 .022	.013 .010 .007	
6.0	.114 .077 .051	.098 .067 .045	.068 .047 .032	.039 .028 .019	.013 .009 .006	
7.0	.107 .070 .043	.092 .060 .038	.064 .042 .027	.037 .025 .016	.012 .008 .005	
8.0	.101 .063 .037	.087 .055 .032	.060 .039 .023	.035 .023 .014	.011 .007 .005	
9.0	.096 .058 .032	.083 .050 .028	.057 .035 .020	.033 .021 .012	.011 .007 .004	
10.0	.092 .054 .028	.079 .047 .025	.055 .033 .018	.032 .019 .010	.010 .006 .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:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm										
NAME: 5W磁吸格栅灯WD-G1214L-5B					TYPE:			WEIGHT:		
SPEC.: 3000K/黑色					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	6.5	7.4	6.8	7.6	7.7	6.1	7.0	6.3	7.1	7.3
3H	6.4	7.2	6.7	7.4	7.6	6.0	6.8	6.2	7.0	7.2
4H	6.4	7.2	6.7	7.4	7.6	6.0	6.8	6.3	7.0	7.2
6H	6.5	7.2	6.8	7.4	7.7	6.1	6.8	6.4	7.0	7.3
8H	6.6	7.3	6.9	7.5	7.8	6.2	6.9	6.5	7.1	7.4
12H	6.7	7.4	7.1	7.7	7.9	6.4	7.0	6.7	7.3	7.6
4H 2H	6.3	7.1	6.6	7.3	7.5	5.9	6.6	6.1	6.8	7.1
3H	6.2	6.9	6.5	7.1	7.4	5.8	6.5	6.1	6.7	7.0
4H	6.3	6.9	6.6	7.2	7.5	5.9	6.5	6.2	6.8	7.1
6H	6.4	6.9	6.8	7.3	7.6	6.1	6.6	6.5	7.0	7.3
8H	6.6	7.1	7.0	7.4	7.8	6.3	6.8	6.7	7.2	7.5
12H	6.9	7.4	7.3	7.7	8.1	6.7	7.2	7.1	7.5	7.9
8H 4H	6.2	6.7	6.6	7.0	7.4	5.8	6.3	6.2	6.7	7.0
6H	6.5	6.9	6.9	7.3	7.7	6.2	6.6	6.6	7.0	7.4
8H	6.8	7.1	7.2	7.5	8.0	6.6	6.9	7.0	7.3	7.8
12H	7.3	7.6	7.8	8.0	8.5	7.2	7.5	7.7	8.0	8.4
12H 4H	6.2	6.6	6.6	7.0	7.4	5.8	6.2	6.2	6.6	7.0
6H	6.5	6.8	6.9	7.3	7.7	6.2	6.6	6.7	7.0	7.4
8H	6.8	7.2	7.3	7.6	8.1	6.7	7.0	7.1	7.4	7.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.0 / - 3.6					+ 1.8 / - 3.1				
1.5H	+ 4.0 / - 3.7					+ 3.6 / - 3.2				
2.0H	+ 2.6 / - 0.8					+ 2.1 / - 0.7				

CIE Pub.117, 203.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.5)
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:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

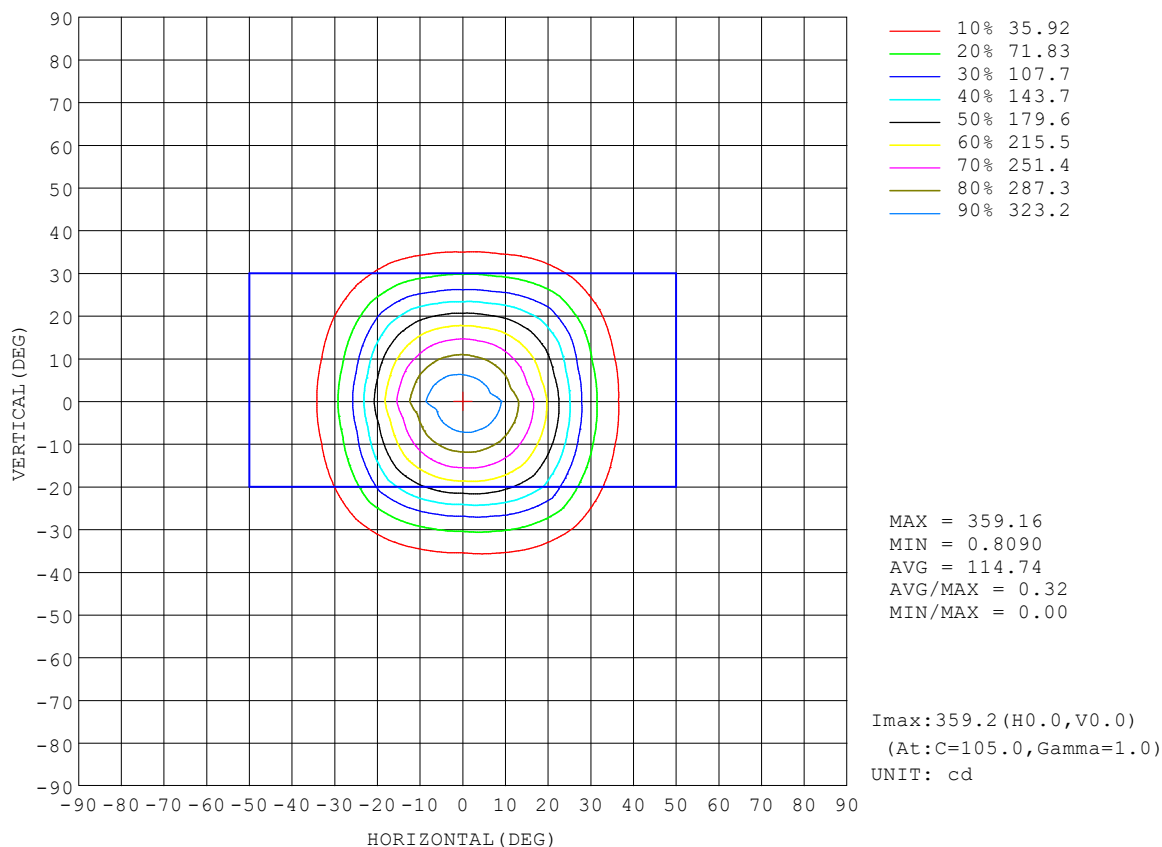
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	101	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

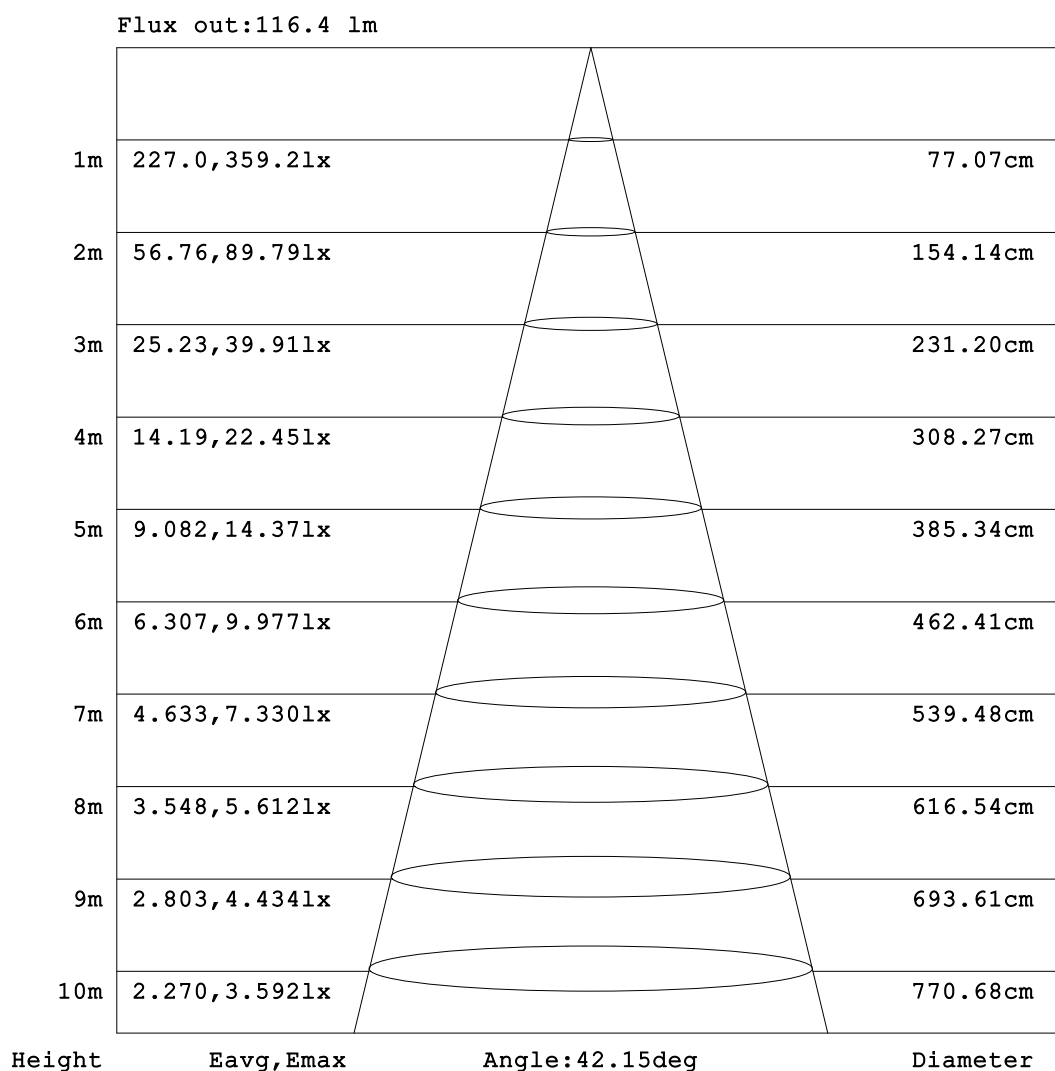


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:XLEN
Test Date:2022-06-17

☐ 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:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94lx 1m		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



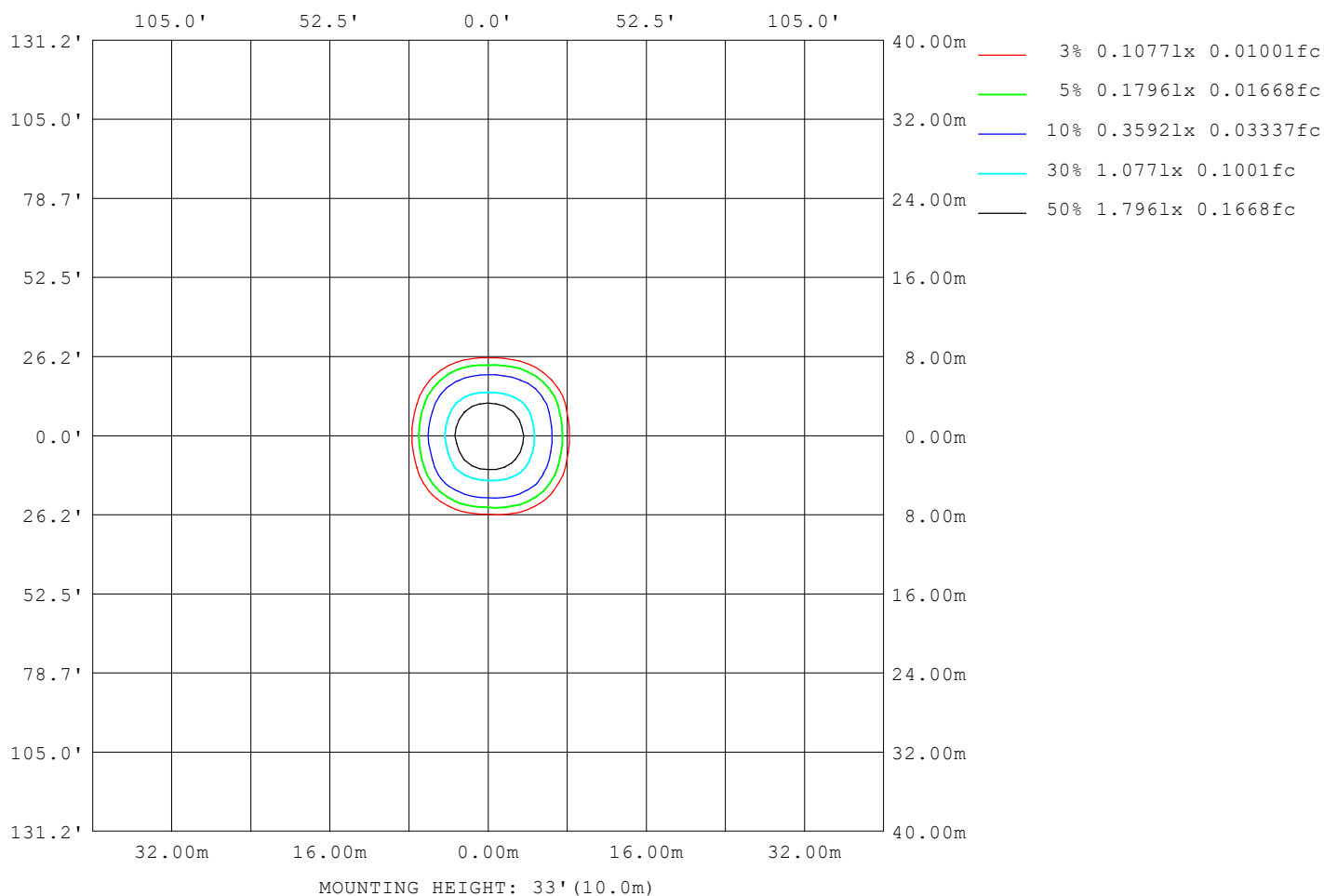
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	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:

LED Avg.L Report

Test:U:24.000V I:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

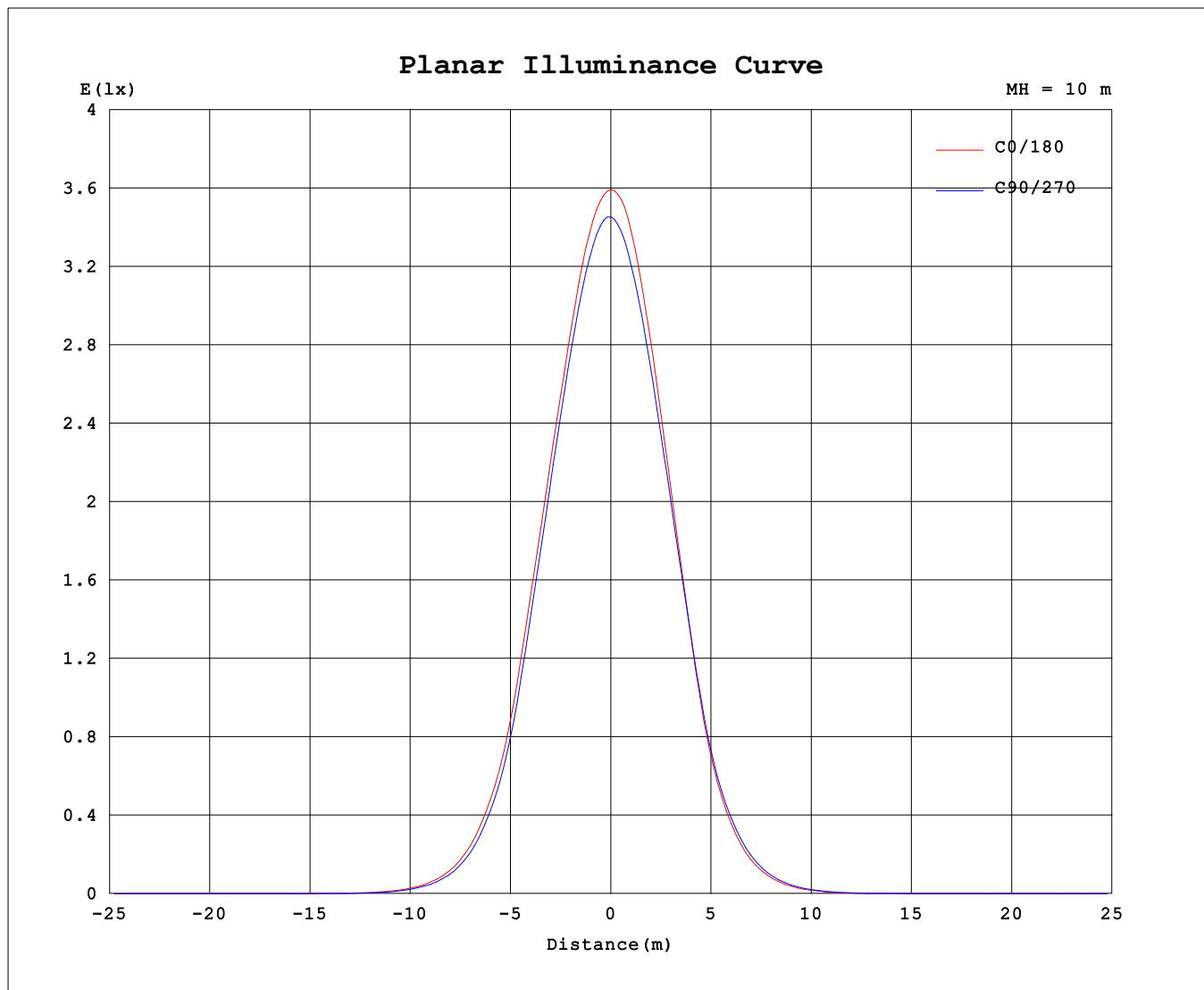
AvgL	cd/m2
L_0~180 (65) av	18
L_0~180 (75) av	30
L_0~180 (85) av	90
L_90~270 (65) av	18
L_90~270 (75) av	30
L_90~270 (85) av	91
L_45 (65) av	18
L_45 (75) av	29
L_45 (85) av	87

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:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.1850A P:4.4000W PF:0.0000 Freq:49.99Hz Lamp Flux:203.94x1 lm		
NAME: 5W磁吸格栅灯WD-G1214L-5B	TYPE:	WEIGHT:
SPEC.: 3000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

[illegible]

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:

```