

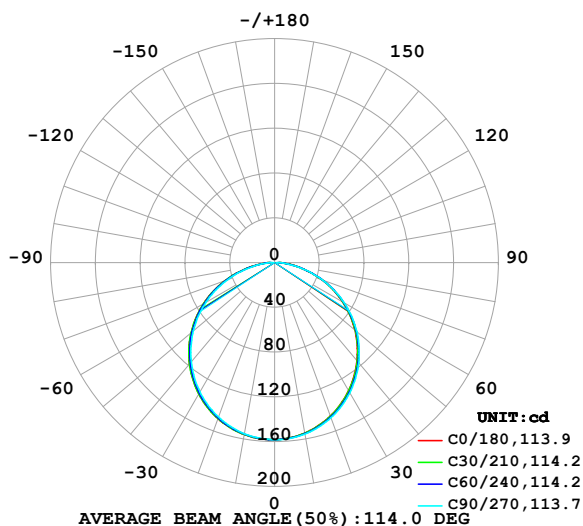
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz
Lamp Flux:461.43x1 lm

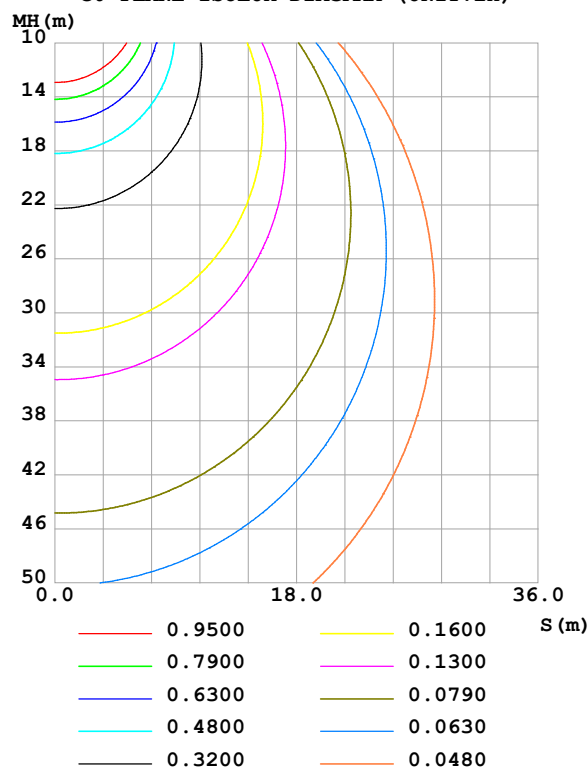
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.14 lm/W
MODEL	N008232XC1LZ	Imax (cd)	158.2	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	461.43	η UP,DN(C0-180)	0.0,50.0	
NOMINAL FLUX(lm)	461.43	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down (%)	100.0	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	156.0	155.9	155.2	154.7	154.7	155.0	155.6	156.0	0- 10	14.97	14.97	3.24,3.24
20	148.3	148.0	146.8	145.9	145.8	146.4	147.5	148.2	10- 20	42.87	57.83	12.5,12.5
30	135.5	135.1	133.5	132.3	132.2	133.1	134.4	135.2	20- 30	65.02	122.9	26.6,26.6
40	118.3	117.8	115.9	114.6	114.5	115.6	116.9	117.8	30- 40	78.61	201.5	43.7,43.7
50	97.25	96.86	94.82	93.51	93.63	94.69	95.89	96.72	40- 50	82.01	283.5	61.4,61.4
60	73.13	72.79	70.81	69.77	70.17	71.02	71.81	71.95	50- 60	74.84	358.3	77.7,77.7
70	46.72	46.43	44.68	44.12	44.89	45.33	45.41	45.44	60- 70	57.93	416.2	90.2,90.2
80	20.91	20.30	18.59	19.19	20.13	19.89	19.15	19.88	70- 80	34.03	450.3	97.6,97.6
90	4.363	3.468	1.172	3.755	4.270	3.553	1.926	3.877	80- 90	11.17	461.4	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): 242.7 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(130deg): 389.92 lm

%lum = 84.5%

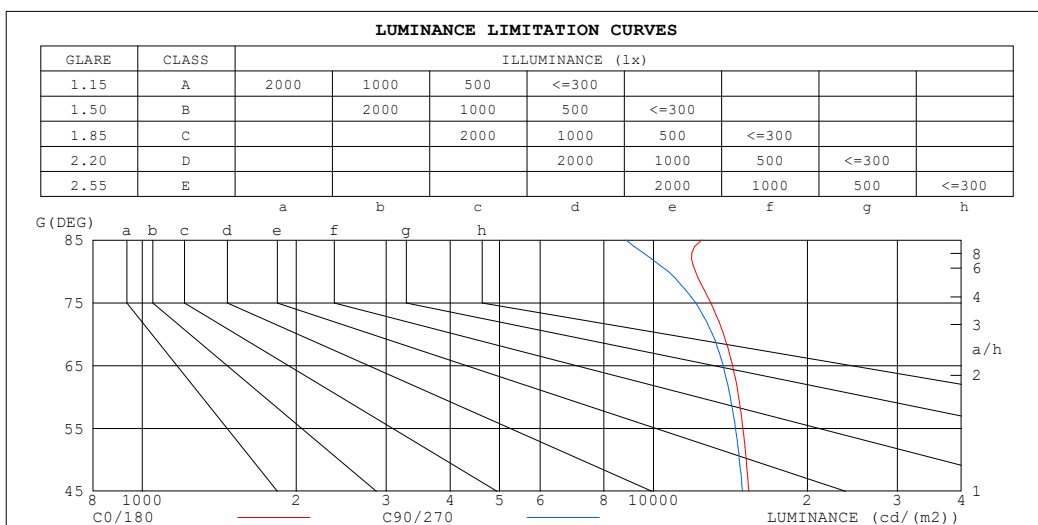
%lamp = 84.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CJ
 Test Date:2026-05-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.820m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12436	8831
80	12081	10684
75	12940	12092
70	13706	13038
65	14284	13686
60	14677	14137
55	14960	14466
50	15182	14724
45	15357	14932

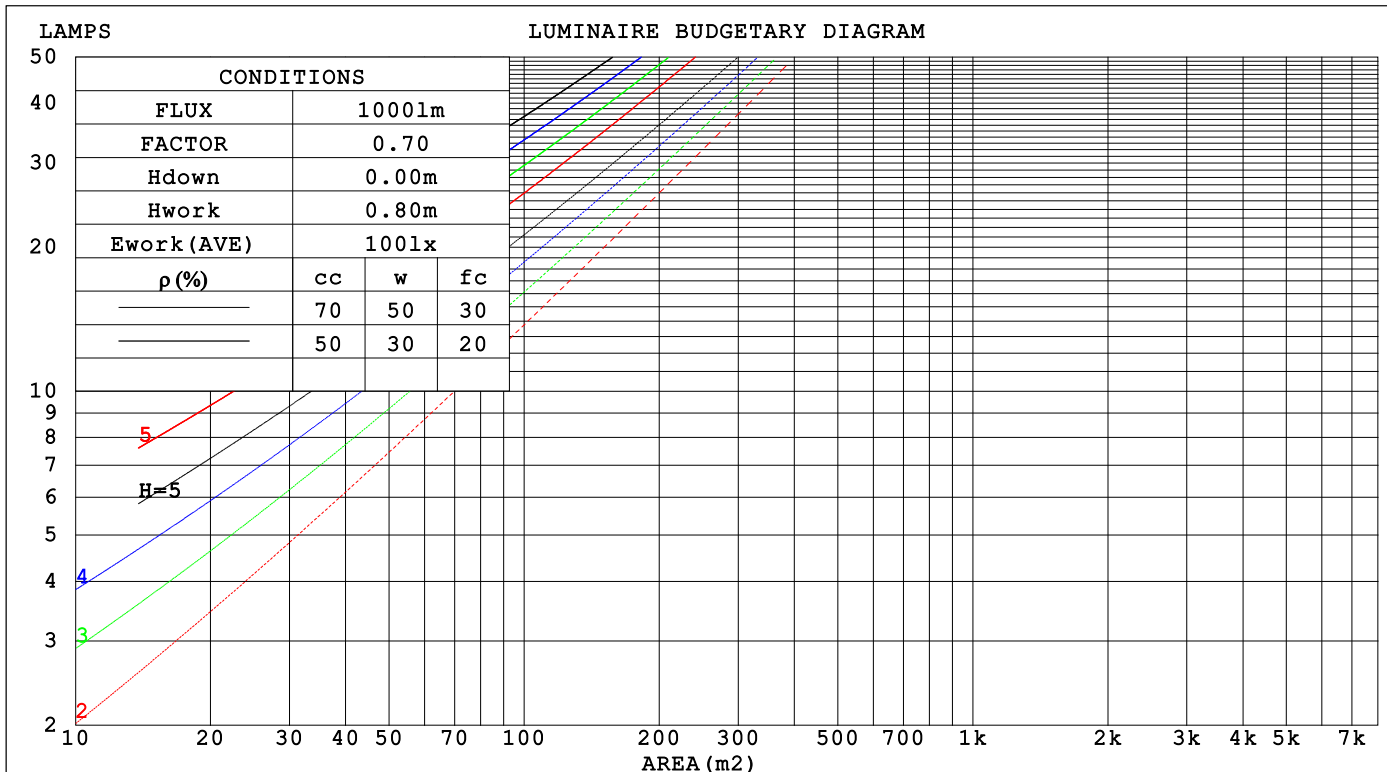
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz		
Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	1.03	.99	.95	1.01	.97	.93	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz					
Lamp Flux:461.43x1 lm					
NAME: N008232XC1LZ			TYPE: LED		WEIGHT:
SPEC.: 1M			DIM.: 1M		SERIAL No.:
MFR.: iPixel LED			SUR.: 0.01		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	.318	.181	.057	.311	.177	.056	.298	.171	.055	.285	.165	.053	.274	.159	.051		
2.0	.297	.163	.050	.291	.160	.049	.279	.155	.048	.268	.150	.047	.258	.146	.046		
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041		
4.0	.252	.131	.039	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037		
5.0	.233	.119	.034	.228	.117	.034	.220	.115	.034	.212	.112	.033	.205	.110	.033		
6.0	.215	.108	.031	.212	.107	.031	.204	.105	.030	.197	.103	.030	.191	.101	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.179	.093	.027		
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015		
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011		
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009		
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007		
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006		
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004		
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003		
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm										
NAME: N008232XC1LZ					TYPE: LED			WEIGHT:		
SPEC.: 1M					DIM.: 1M			SERIAL No.:		
MFR.: iPixel LED					SUR.: 0.01			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	25.1	26.6	25.3	26.8	27.0	24.9	26.4	25.2	26.6	26.8
3H	26.7	28.1	27.0	28.3	28.6	26.5	27.9	26.8	28.1	28.3
4H	27.3	28.7	27.6	28.9	29.2	27.1	28.4	27.4	28.7	28.9
6H	27.8	29.1	28.1	29.3	29.6	27.5	28.8	27.8	29.0	29.3
8H	28.0	29.2	28.3	29.5	29.8	27.6	28.9	28.0	29.1	29.4
12H	28.1	29.3	28.5	29.6	29.9	27.7	28.9	28.0	29.2	29.5
4H 2H	25.7	27.0	26.0	27.3	27.6	25.6	26.9	25.9	27.2	27.4
3H	27.5	28.7	27.8	29.0	29.3	27.3	28.5	27.7	28.8	29.1
4H	28.3	29.3	28.6	29.7	30.0	28.0	29.1	28.4	29.4	29.8
6H	28.9	29.8	29.3	30.2	30.6	28.6	29.6	29.0	29.9	30.3
8H	29.1	30.0	29.5	30.4	30.8	28.8	29.7	29.2	30.0	30.4
12H	29.3	30.1	29.7	30.5	30.9	28.9	29.7	29.3	30.1	30.5
8H 4H	28.5	29.4	28.9	29.8	30.2	28.3	29.2	28.8	29.6	30.0
6H	29.3	30.1	29.8	30.5	30.9	29.1	29.8	29.5	30.2	30.6
8H	29.6	30.3	30.1	30.7	31.2	29.3	30.0	29.8	30.4	30.9
12H	29.9	30.5	30.4	31.0	31.4	29.5	30.1	30.0	30.5	31.0
12H 4H	28.5	29.4	29.0	29.8	30.2	28.4	29.2	28.8	29.6	30.0
6H	29.4	30.0	29.8	30.5	30.9	29.1	29.8	29.6	30.2	30.7
8H	29.8	30.3	30.2	30.8	31.3	29.4	30.0	29.9	30.5	30.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 461.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

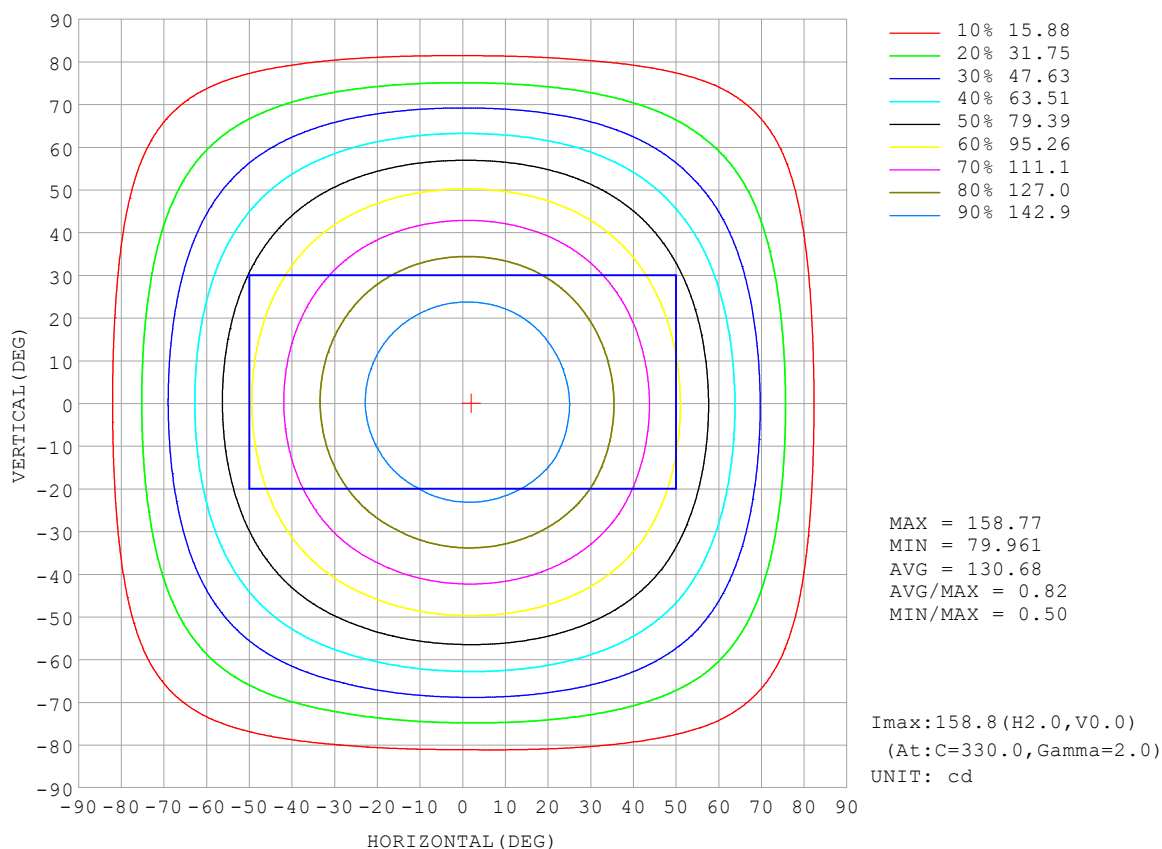
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	77	70	86	77	70	83	75	69	61
2.00	94	86	79	93	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature: 25.3 °C
Operators: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

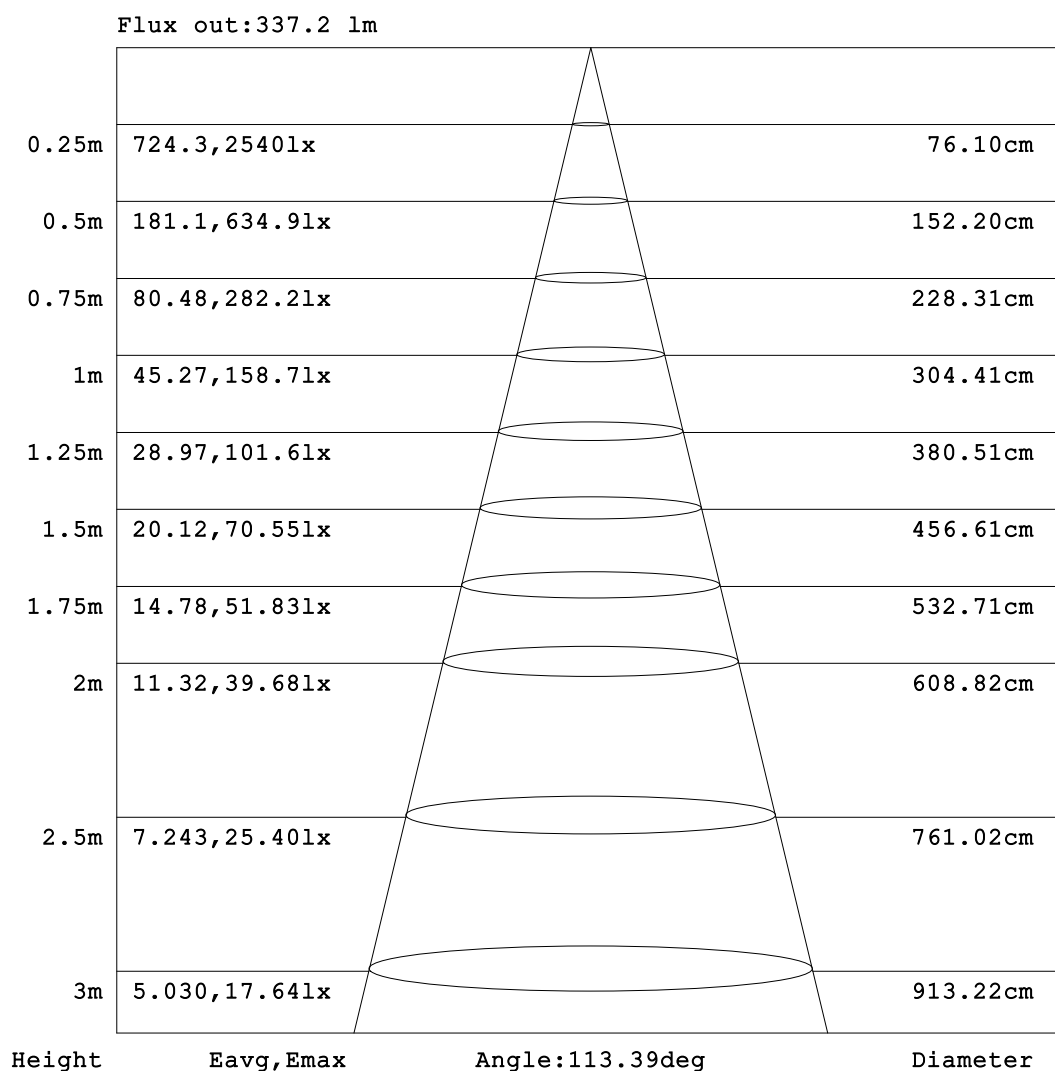


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



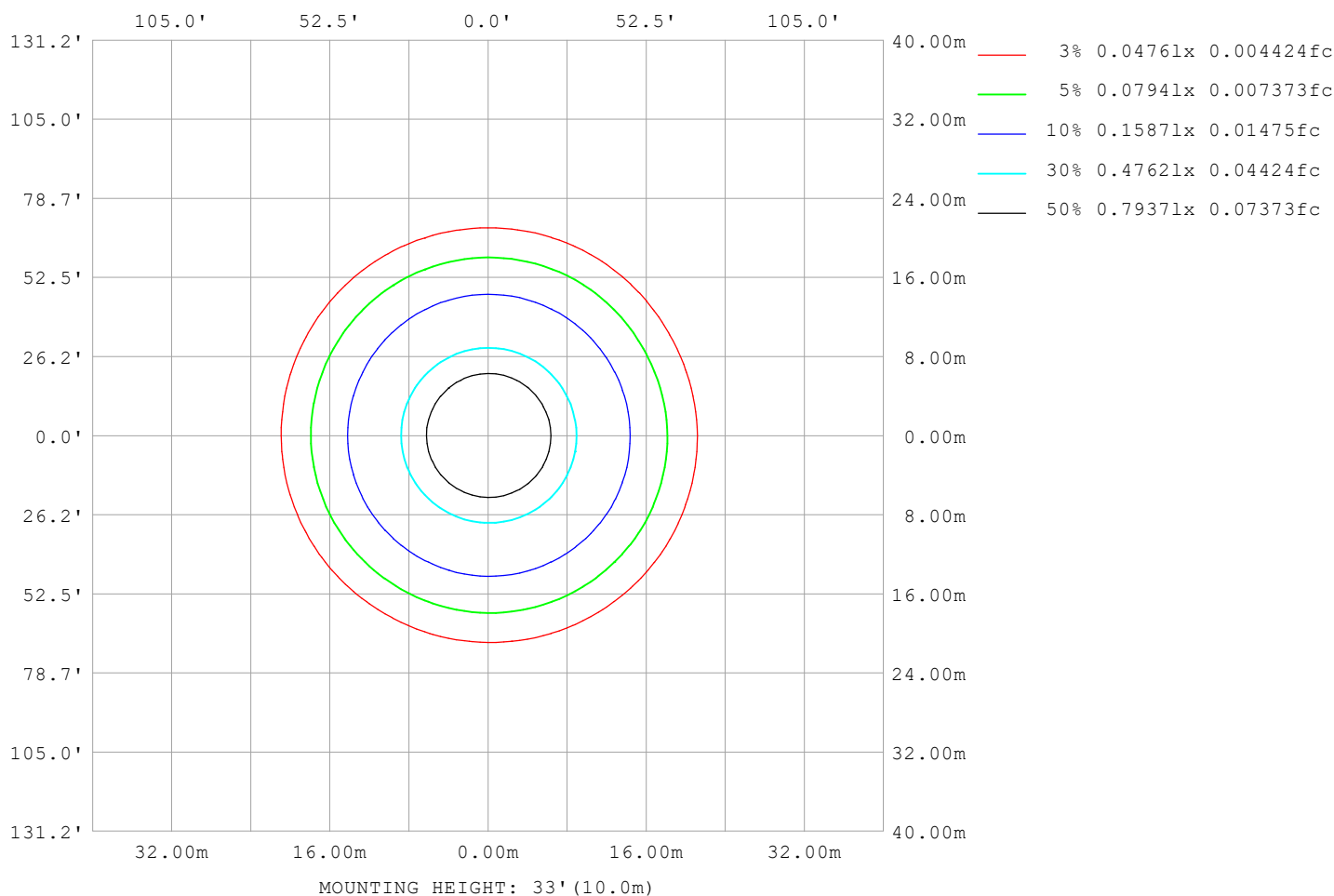
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CJ
 Test Date:2026-05-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.820m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

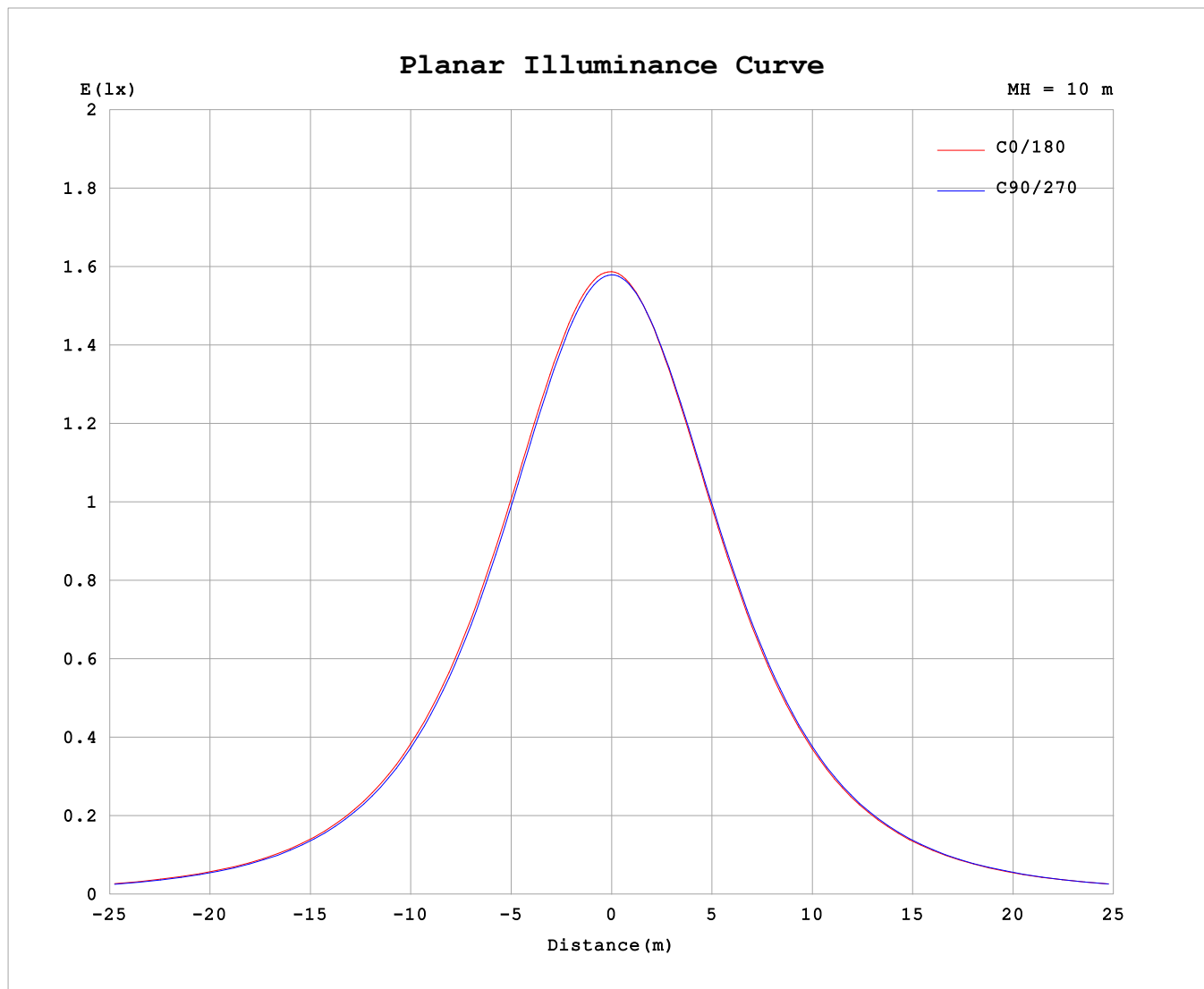
AvgL	cd/m2
L_0~180 (65) av	13946
L_0~180 (75) av	12660
L_0~180 (85) av	12125
L_90~270 (65) av	13816
L_90~270 (75) av	12235
L_90~270 (85) av	9353
L_45 (65) av	13865
L_45 (75) av	12411
L_45 (85) av	10988

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CJ
Test Date:2026-05-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: CJ
Test Date: 2026-05-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

Test:U:23.997V I:0.2703A P:6.4864W PF:1.0000 Freq:0Hz Lamp Flux:461.43x1 lm		
NAME: N008232XC1LZ	TYPE: LED	WEIGHT:
SPEC.: 1M	DIM.: 1M	SERIAL No.:
MFR.: iPixel LED	SUR.: 0.01	Shielding Angle:

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

```