

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz

Lamp Flux:552.35x1 lm

NAME: B010096BB1LZ W

TYPE: LED

WEIGHT:

SPEC.: 10x1000MM

DIM.: 10x1000MM

SERIAL No.:

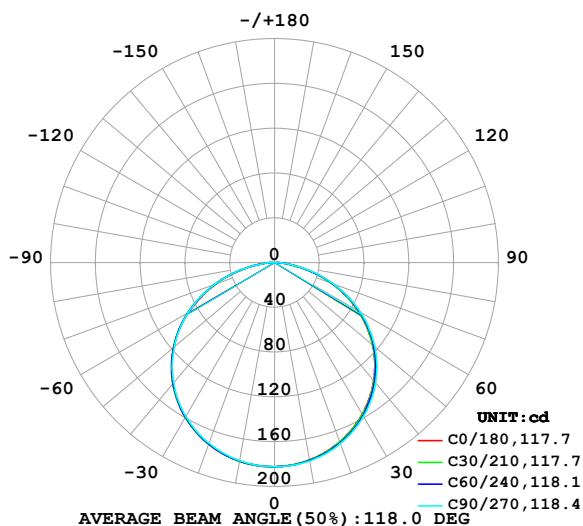
MFR.: iPixel LED

SUR.: 10MM

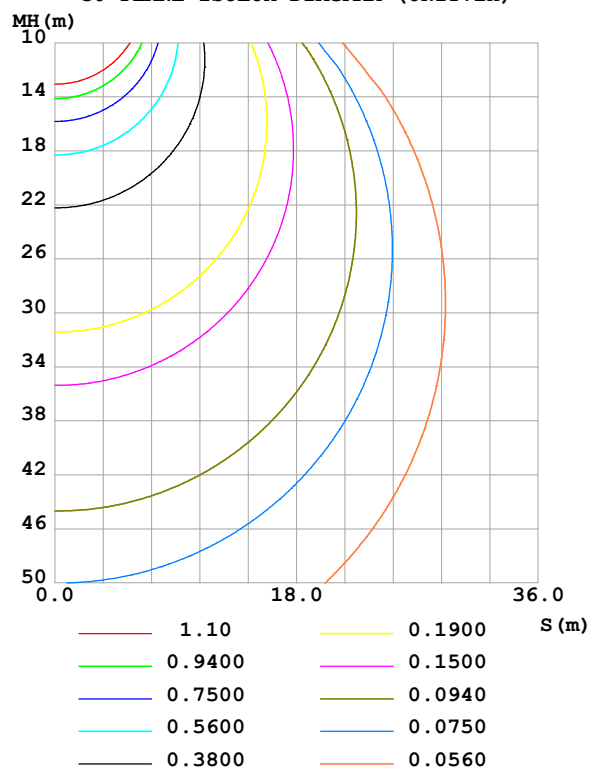
Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 187.82 lm/W
MODEL	B010096BB1LZ W	Imax (cd)	182.9	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	3.7	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	552.35	η UP,DN(C0-180)	0.0,50.2	
NOMINAL FLUX(lm)	552.35	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	12	η down (%)	100.0	CIBSE SHR MAX	1.50	

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:LZN
Test Date:2025-07-23

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	180.2	180.1	179.7	179.2	179.0	179.3	179.9	180.3	0- 10	17.28	17.28	3.13,3.13
20	172.6	172.5	171.7	171.0	170.3	170.9	171.9	172.9	10- 20	49.82	67.10	12.1,12.1
30	159.8	159.4	158.7	159.0	156.5	157.4	158.8	159.9	20- 30	76.53	143.6	26,26
40	141.5	141.1	140.4	140.4	137.7	138.6	140.4	141.6	30- 40	93.94	237.6	43,43
50	118.1	117.7	117.0	116.7	114.1	115.0	116.9	118.3	40- 50	99.59	337.2	61,61
60	89.63	89.31	88.99	88.20	86.01	86.76	88.39	89.67	50- 60	92.14	429.3	77.7,77.7
70	55.99	56.70	56.56	55.76	54.05	54.41	55.65	56.45	60- 70	71.55	500.9	90.7,90.7
80	23.23	22.87	22.95	22.61	21.43	21.30	21.82	22.53	70- 80	40.93	541.8	98.1,98.1
90	1.372	1.209	0.8865	1.388	1.274	1.132	0.7512	1.248	80- 90	10.57	552.4	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): 287.46 lm

%lum = 52.0%

%lamp = 52.0%

Conical surface Flux(130deg): 468.39 lm

%lum = 84.8%

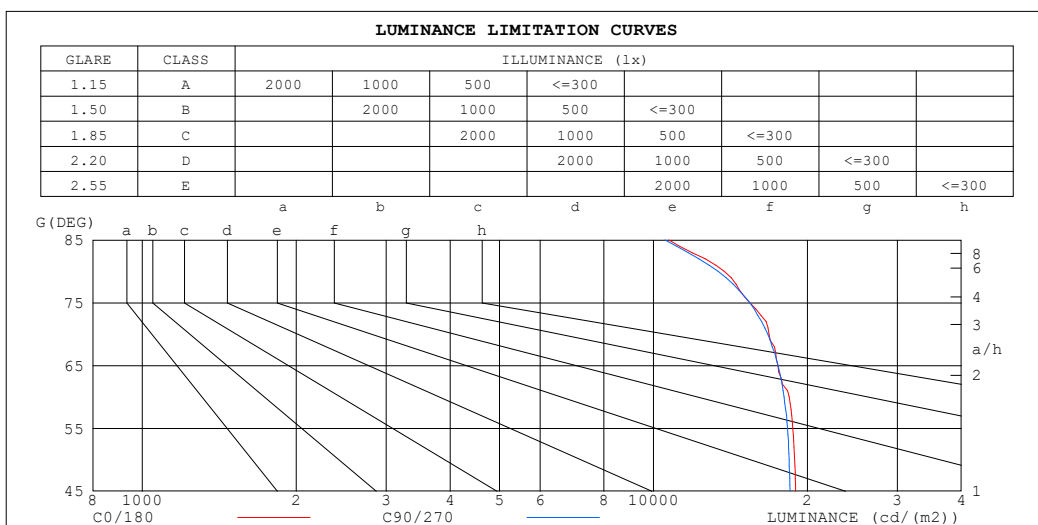
%lamp = 84.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:LZN
 Test Date:2025-07-23

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:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10×1000MM	DIM.: 10×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10710	10531
80	13760	13370
75	15432	15425
70	16839	16725
65	17512	17521
60	18440	18002
55	18730	18297
50	18892	18416
45	18978	18498

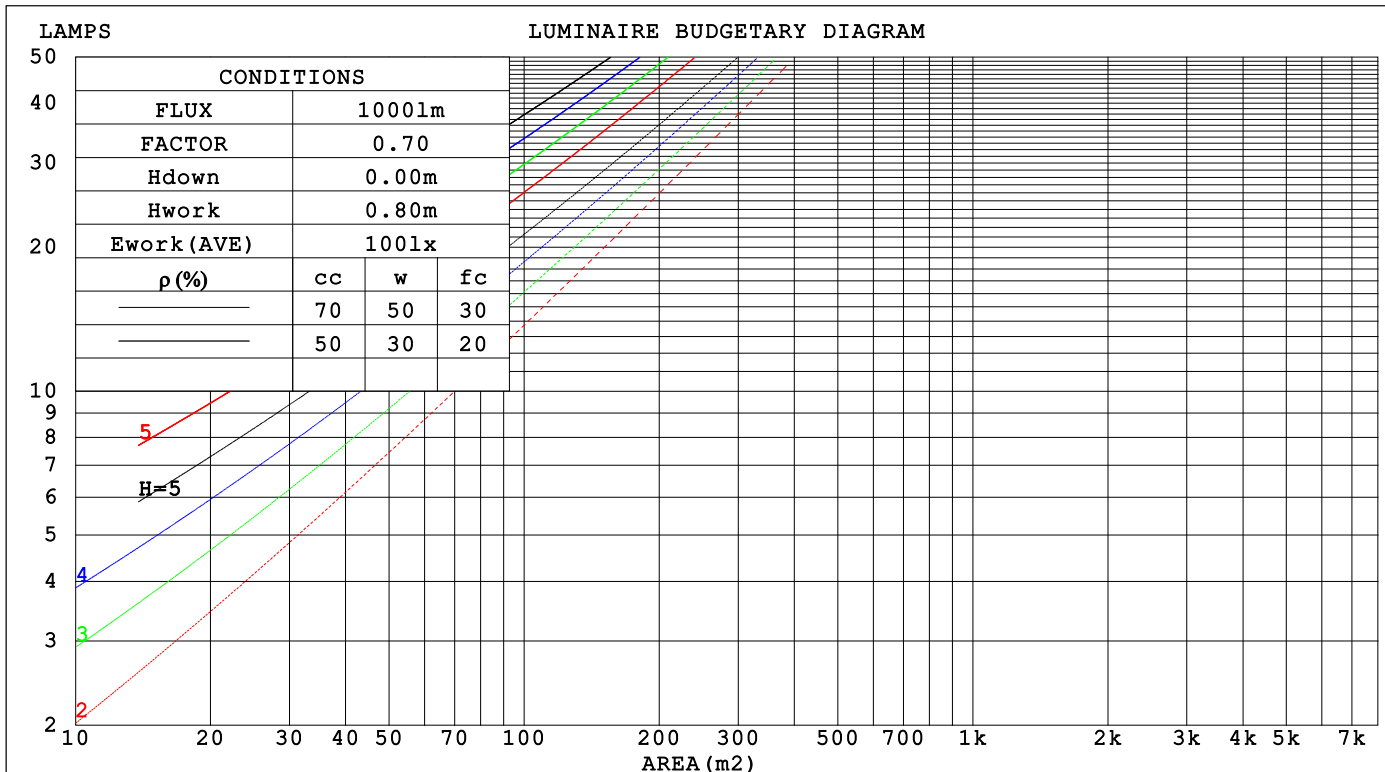
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Temperature:25.3℃
Operators:LZN
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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz		
Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10x1000MM	DIM.: 10x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	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															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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.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	.67	.62	.71	.66	.61	.69	.64	.60	.58														
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49														
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.50	.43	.39	.37														
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.47	.40	.35	.45	.39	.34	.32														
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29														
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26														
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23														



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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:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz		
Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10x1000MM	DIM.: 10x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	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	.315	.179	.057	.308	.176	.056	.295	.169	.054	.282	.163	.052	.271	.157	.051		
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.268	.150	.047	.258	.146	.046		
3.0	.274	.146	.044	.269	.144	.043	.258	.140	.043	.249	.136	.042	.240	.133	.041		
4.0	.253	.131	.039	.248	.130	.038	.239	.127	.038	.230	.124	.037	.222	.121	.037		
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033		
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030		
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023		
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022		

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	.019	.017	.015		
2.0	.173	.132	.097	.148	.114	.084	.101	.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	.052	.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	.130	.070	.028	.112	.060	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003		
9.0	.124	.065	.025	.106	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003		
10.0	.118	.060	.022	.102	.053	.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:LZN
Test Date:2025-07-23

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:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz Lamp Flux:552.35x1 lm										
NAME: B010096BB1LZ W					TYPE: LED			WEIGHT:		
SPEC.: 10x1000MM					DIM.: 10x1000MM			SERIAL No.:		
MFR.: iPixel LED					SUR.: 10MM			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	25.3	26.8	25.5	27.0	27.2	25.1	26.6	25.4	26.8	27.0
3H	26.9	28.3	27.2	28.5	28.8	26.7	28.1	27.0	28.4	28.6
4H	27.5	28.9	27.8	29.1	29.4	27.3	28.7	27.6	28.9	29.2
6H	27.9	29.2	28.3	29.5	29.8	27.8	29.0	28.1	29.3	29.6
8H	28.0	29.3	28.4	29.6	29.9	27.9	29.1	28.2	29.4	29.7
12H	28.1	29.3	28.5	29.6	29.9	27.9	29.1	28.3	29.4	29.7
4H 2H	25.9	27.2	26.2	27.5	27.8	25.7	27.1	26.1	27.3	27.6
3H	27.7	28.9	28.0	29.2	29.5	27.5	28.7	27.9	29.0	29.3
4H	28.4	29.5	28.8	29.8	30.2	28.3	29.3	28.6	29.7	30.0
6H	29.0	29.9	29.4	30.3	30.6	28.8	29.8	29.2	30.1	30.5
8H	29.1	30.0	29.5	30.4	30.8	29.0	29.9	29.4	30.2	30.6
12H	29.2	30.1	29.7	30.4	30.9	29.1	29.9	29.5	30.3	30.7
8H 4H	28.7	29.6	29.1	29.9	30.3	28.5	29.4	28.9	29.8	30.2
6H	29.4	30.1	29.8	30.5	30.9	29.2	30.0	29.7	30.4	30.8
8H	29.6	30.3	30.1	30.7	31.1	29.4	30.1	29.9	30.5	31.0
12H	29.8	30.3	30.2	30.8	31.3	29.6	30.2	30.1	30.6	31.1
12H 4H	28.7	29.5	29.1	29.9	30.3	28.5	29.4	29.0	29.8	30.2
6H	29.4	30.1	29.9	30.5	30.9	29.3	29.9	29.7	30.4	30.8
8H	29.7	30.3	30.2	30.7	31.2	29.5	30.1	30.0	30.5	31.0
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	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 552.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.1)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-07-23

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:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10x1000MM	DIM.: 10x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	Shielding Angle:

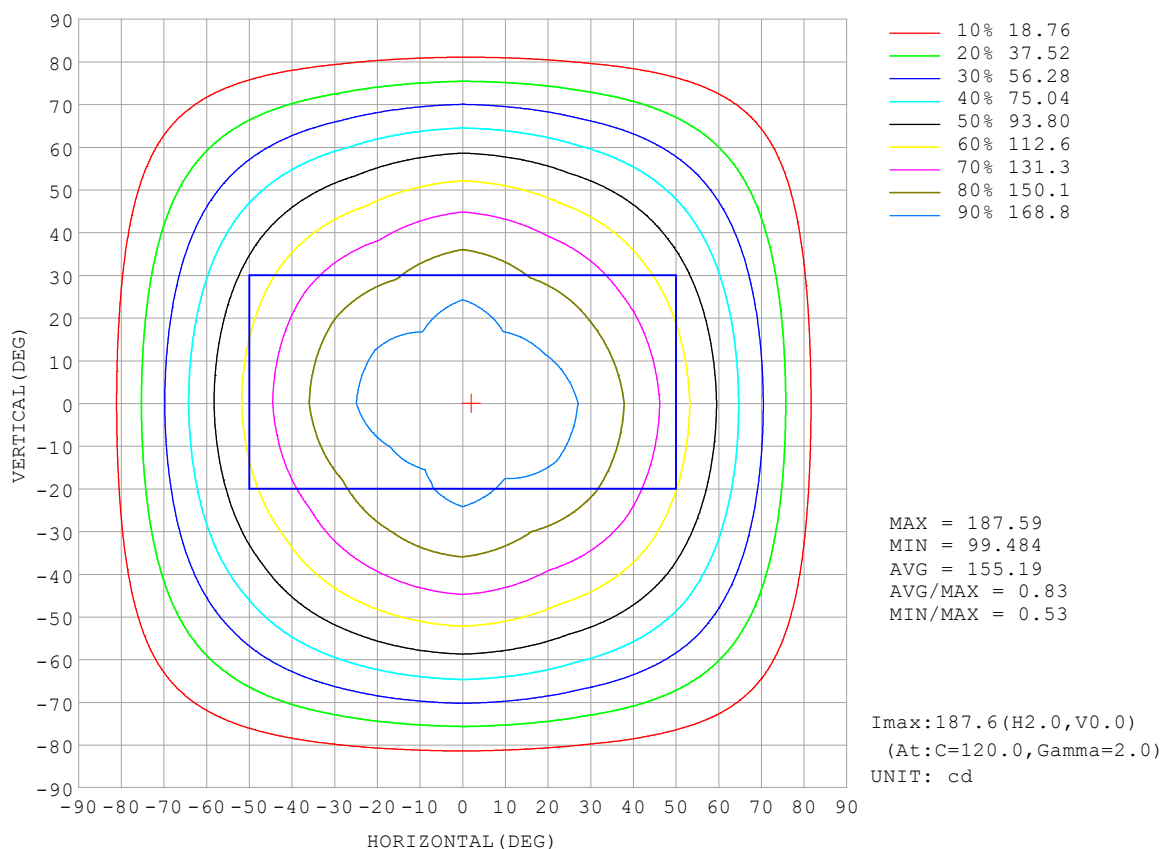
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	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	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
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 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

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SPEC.: 10×1000MM	DIM.: 10×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	Shielding Angle:

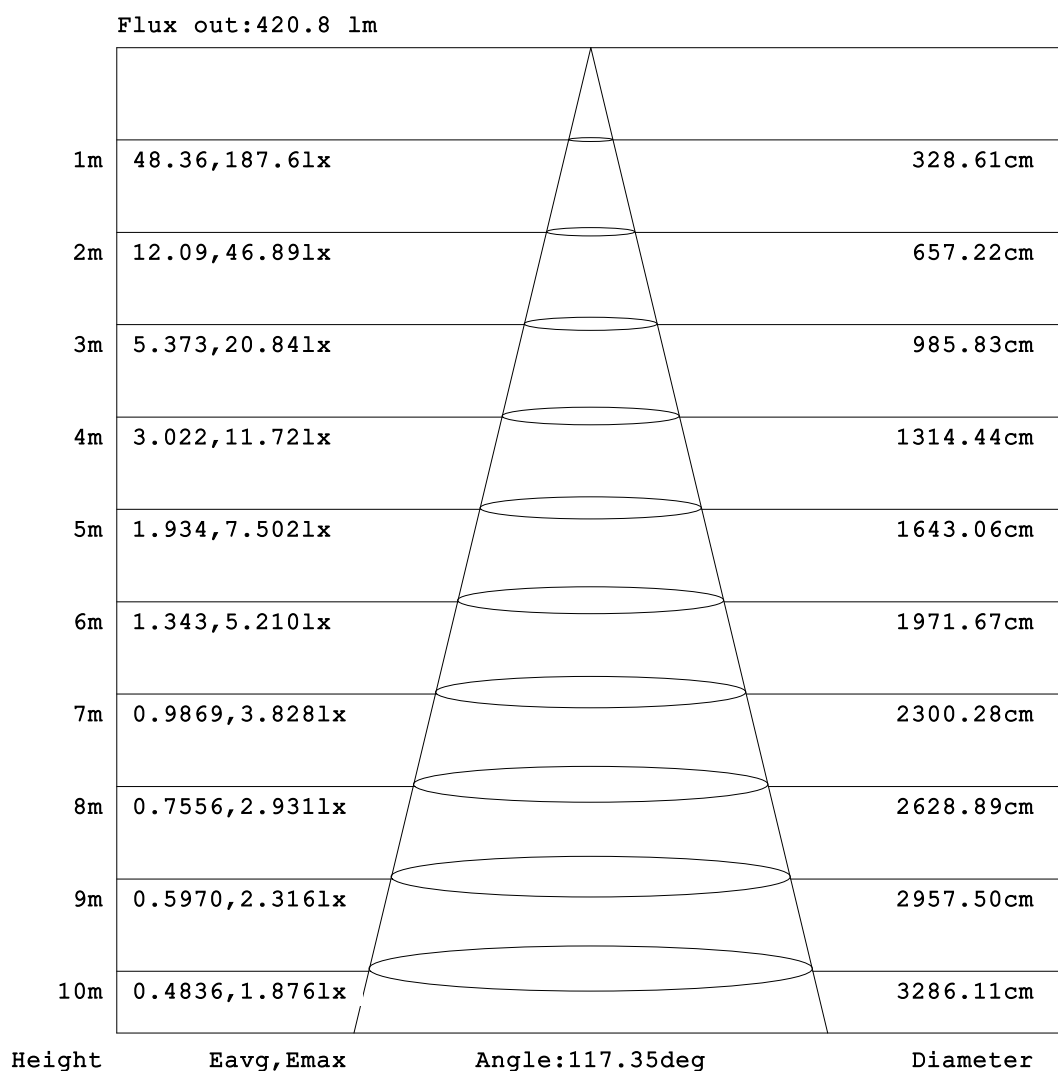


C Range: 0 - 360DEG
C Interval: 30.0DEG
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γ Range: 0 - 90DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
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Remarks:

AAI Figure

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MFR.: iPixel LED	SUR.: 10MM	Shielding Angle:



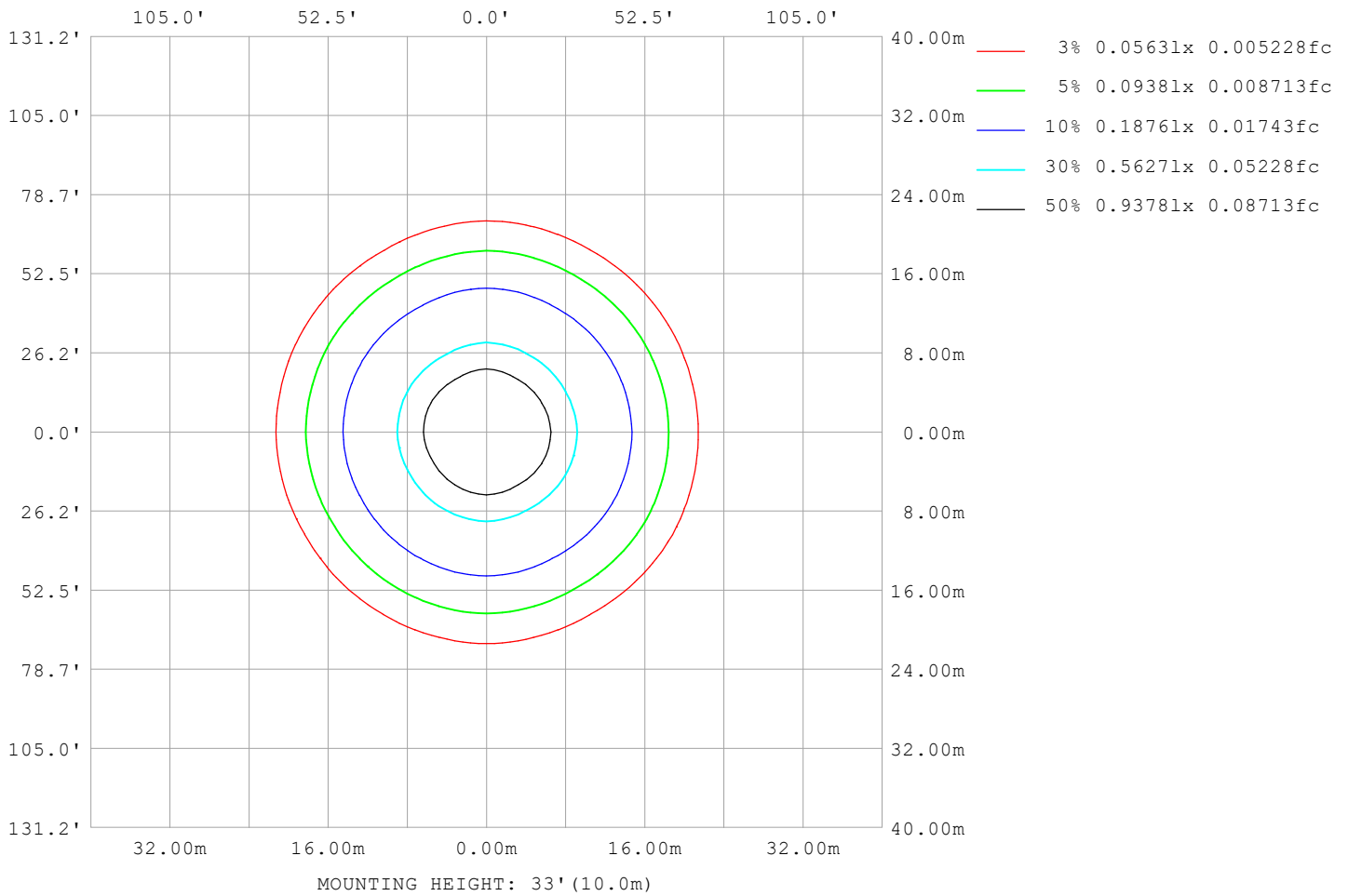
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
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Remarks:

ISOLUX DIAGRAM

Test:U:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10x1000MM	DIM.: 10x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	Shielding Angle:



C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:25.3°C
Operators:LZN
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
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Remarks:

LED Avg.L Report

Test:U:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10x1000MM	DIM.: 10x1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	Shielding Angle:

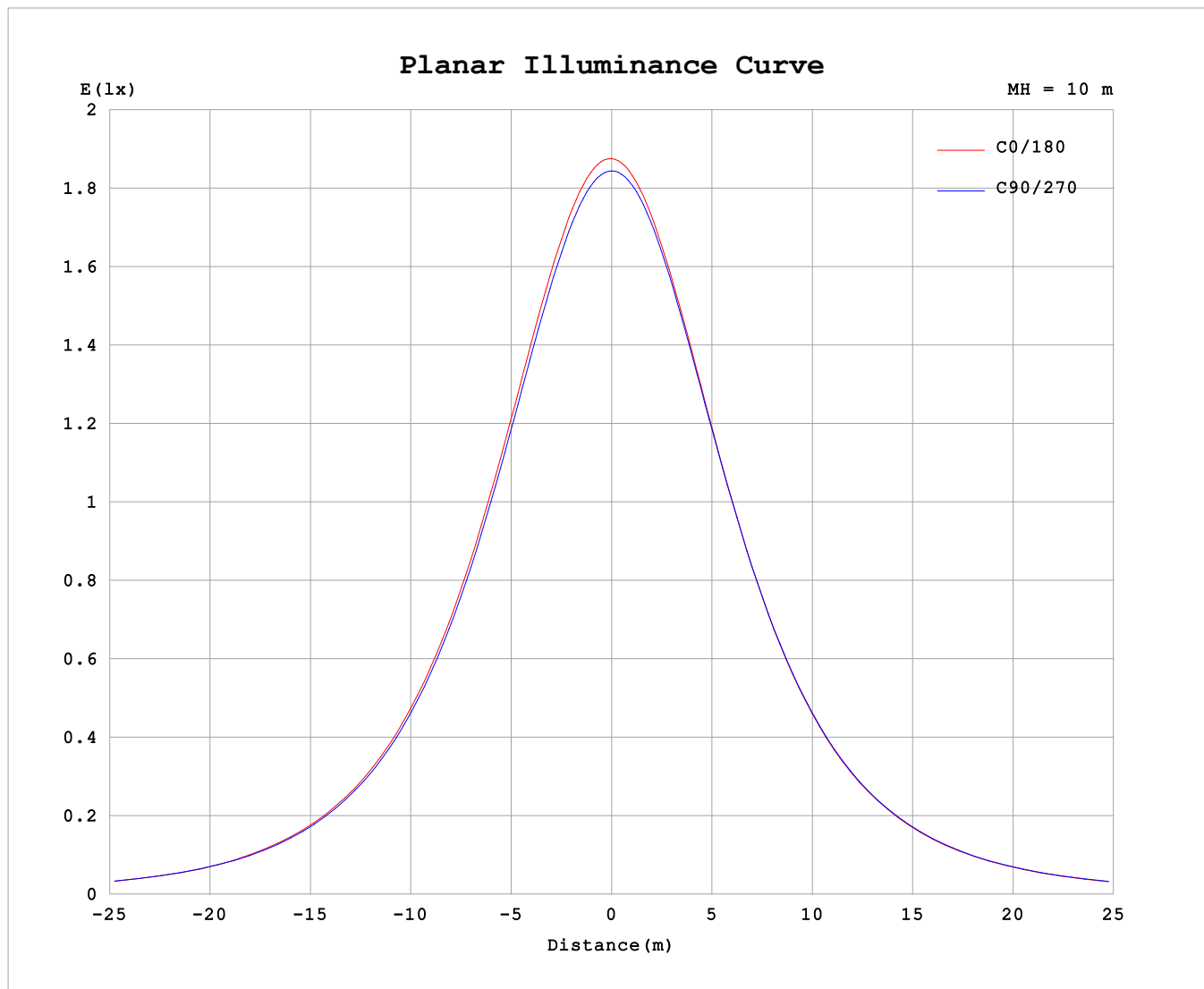
AvgL	cd/m2
L_0~180 (65) av	16846
L_0~180 (75) av	14723
L_0~180 (85) av	9923
L_90~270 (65) av	17230
L_90~270 (75) av	15057
L_90~270 (85) av	9908
L_45 (65) av	17209
L_45 (75) av	15017
L_45 (85) av	10047

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LZN
Test Date:2025-07-23

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: LZN
Test Date: 2025-07-23

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:11.999V I:0.2451A P:2.9409W PF:1.0000 Freq:0Hz Lamp Flux:552.35x1 lm		
NAME: B010096BB1LZ W	TYPE: LED	WEIGHT:
SPEC.: 10×1000MM	DIM.: 10×1000MM	SERIAL No.:
MFR.: iPixel LED	SUR.: 10MM	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:

```