

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1245396

Luminaire Tested: PRLX-UNA-M-927-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-927-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

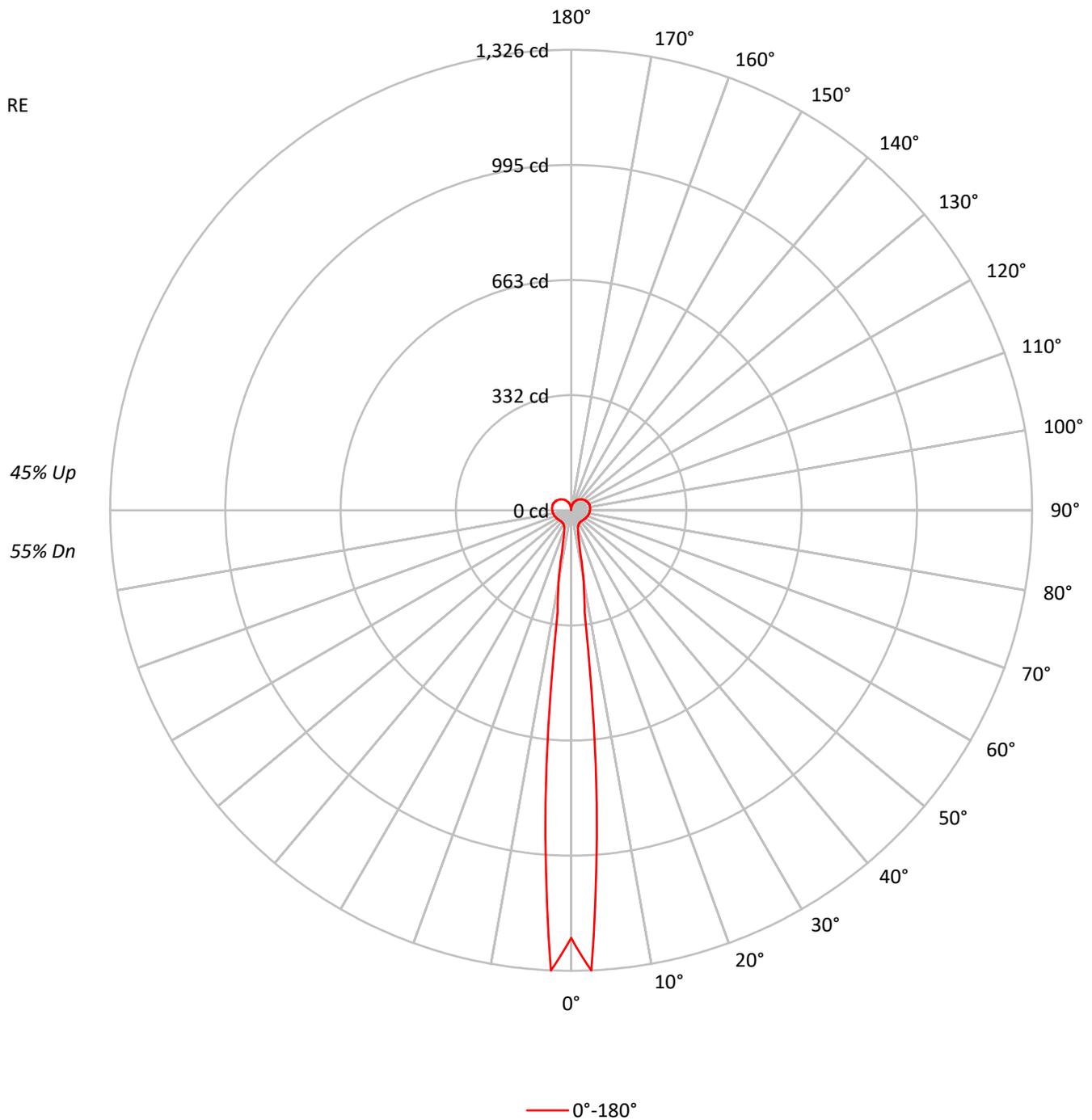
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 660.1 lumens
Efficiency: N/A
Efficacy: 22.8 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

TEST NUMBER: P1245396
CATALOG NUMBER: PRLX-UNA-M-927-07L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1245396

CATALOG NUMBER: PRLX-UNA-M-927-07L-U-OW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	55
1	95	90	84	79	88	83	78	74	70	67	64		59	56	54		48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51		51	47	43		42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43		45	40	36		37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37		40	35	32		33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32		37	32	28		31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29		34	29	25		28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26		31	27	23		27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24		29	25	21		25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22		28	23	20		24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21		26	22	19		23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63090
5°	31934
10°	6134
15°	2059
20°	1230
25°	939
30°	773
35°	698
40°	636
45°	613
50°	594
55°	583
60°	588
65°	585
70°	599
75°	615
80°	627
85°	643

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 665 cd/sqm

TEST NUMBER: P1245396

CATALOG NUMBER: PRLX-UNA-M-927-07L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	8.3
10°-20°	26.3	4.0
20°-30°	22.7	3.4
30°-40°	27.3	4.1
40°-50°	33.8	5.1
50°-60°	40.9	6.2
60°-70°	47.9	7.3
70°-80°	54.3	8.2
80°-90°	58.3	8.8
90°-100°	59.8	9.1
100°-110°	58.2	8.8
110°-120°	52.9	8.0
120°-130°	44.5	6.7
130°-140°	34.4	5.2
140°-150°	23.7	3.6
150°-160°	13.8	2.1
160°-170°	5.9	0.9
170°-180°	0.9	0.1
0°-30°	103.6	15.7
0°-40°	131.0	19.8
0°-60°	205.7	31.2
0°-90°	366.1	55.5
90°-120°	170.9	25.9
90°-150°	273.5	41.4
90°-180°	294.0	44.5
0°-180°	660.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1231	
5°	848	55
15°	82	26
25°	49	23
35°	44	27
45°	44	34
55°	46	41
65°	48	48
75°	52	54
85°	53	44
90°	54	30
95°	55	45
105°	55	58
115°	53	53
125°	50	45
135°	45	34
145°	38	24
155°	30	14
165°	20	6
175°	6	1
180°	1	

TEST NUMBER: P1245396

CATALOG NUMBER: PRLX-UNA-M-927-07L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1231.1
2.5°	1326.5
5°	847.9
7.5°	295.8
10°	204.8
12.5°	117.3
15°	82.3
17.5°	66.5
20°	56.9
22.5°	51.6
25°	49.0
27.5°	46.4
30°	44.6
32.5°	43.8
35°	43.8
37.5°	42.9
40°	42.9
42.5°	42.9
45°	43.8
47.5°	43.8
50°	44.6
52.5°	44.6
55°	45.5
57.5°	46.4
60°	47.3
62.5°	47.3
65°	48.1
67.5°	49.0
70°	49.9
72.5°	50.8
75°	51.6
77.5°	51.6
80°	52.5
82.5°	53.4
85°	53.4
87.5°	53.4
90°	54.3
92.5°	54.3
95°	55.1
97.5°	55.1
100°	55.1
102.5°	55.1
105°	55.1
107.5°	55.1
110°	54.3

TEST NUMBER: P1245396

CATALOG NUMBER: PRLX-UNA-M-927-07L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	54.3
115°	53.4
117.5°	52.5
120°	51.6
122.5°	50.8
125°	49.9
127.5°	48.1
130°	47.3
132.5°	45.5
135°	44.6
137.5°	42.9
140°	41.1
142.5°	39.4
145°	37.6
147.5°	35.9
150°	34.1
152.5°	31.5
155°	29.8
157.5°	27.1
160°	25.4
162.5°	22.8
165°	20.1
167.5°	17.5
170°	14.9
172.5°	10.5
175°	6.1
177.5°	2.6
180°	0.9



TEST NUMBER: P1245396

CATALOG NUMBER: PRLX-UNA-M-927-07L-U-OW

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference 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	5.3	6.3	6.2	7.2	8.4	5.3	6.3	6.2	7.2	8.4
	3H	8.3	9.2	9.2	10.1	11.3	8.3	9.2	9.2	10.1	11.3
	4H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	6H	11.3	12.1	12.2	13.0	14.2	11.3	12.1	12.2	13.0	14.2
	8H	12.0	12.8	12.9	13.7	14.9	12.0	12.8	12.9	13.7	14.9
	12H	12.7	13.4	13.6	14.4	15.6	12.7	13.4	13.6	14.4	15.6
4H	2H	6.0	6.9	7.0	7.9	9.1	6.0	6.9	7.0	7.9	9.1
	3H	9.2	10.0	10.2	11.0	12.2	9.2	10.0	10.2	11.0	12.2
	4H	10.9	11.6	11.8	12.6	13.8	10.9	11.6	11.8	12.6	13.8
	6H	12.5	13.2	13.5	14.1	15.4	12.5	13.2	13.5	14.1	15.4
	8H	13.3	13.9	14.3	14.9	16.2	13.3	13.9	14.3	14.9	16.2
	12H	14.1	14.7	15.1	15.7	16.9	14.1	14.7	15.1	15.7	16.9
8H	4H	11.4	12.0	12.4	13.0	14.3	11.4	12.0	12.4	13.0	14.3
	6H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	12H	15.2	15.6	16.2	16.6	17.9	15.2	15.6	16.2	16.6	17.9
12H	4H	11.5	12.1	12.5	13.1	14.3	11.5	12.1	12.5	13.1	14.3
	6H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
	8H	14.5	14.9	15.5	15.9	17.2	14.5	14.9	15.5	15.9	17.2

(END OF REPORT)