

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: P1245289

Luminaire Tested: PRLX-UNA-L-927-02L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-02L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

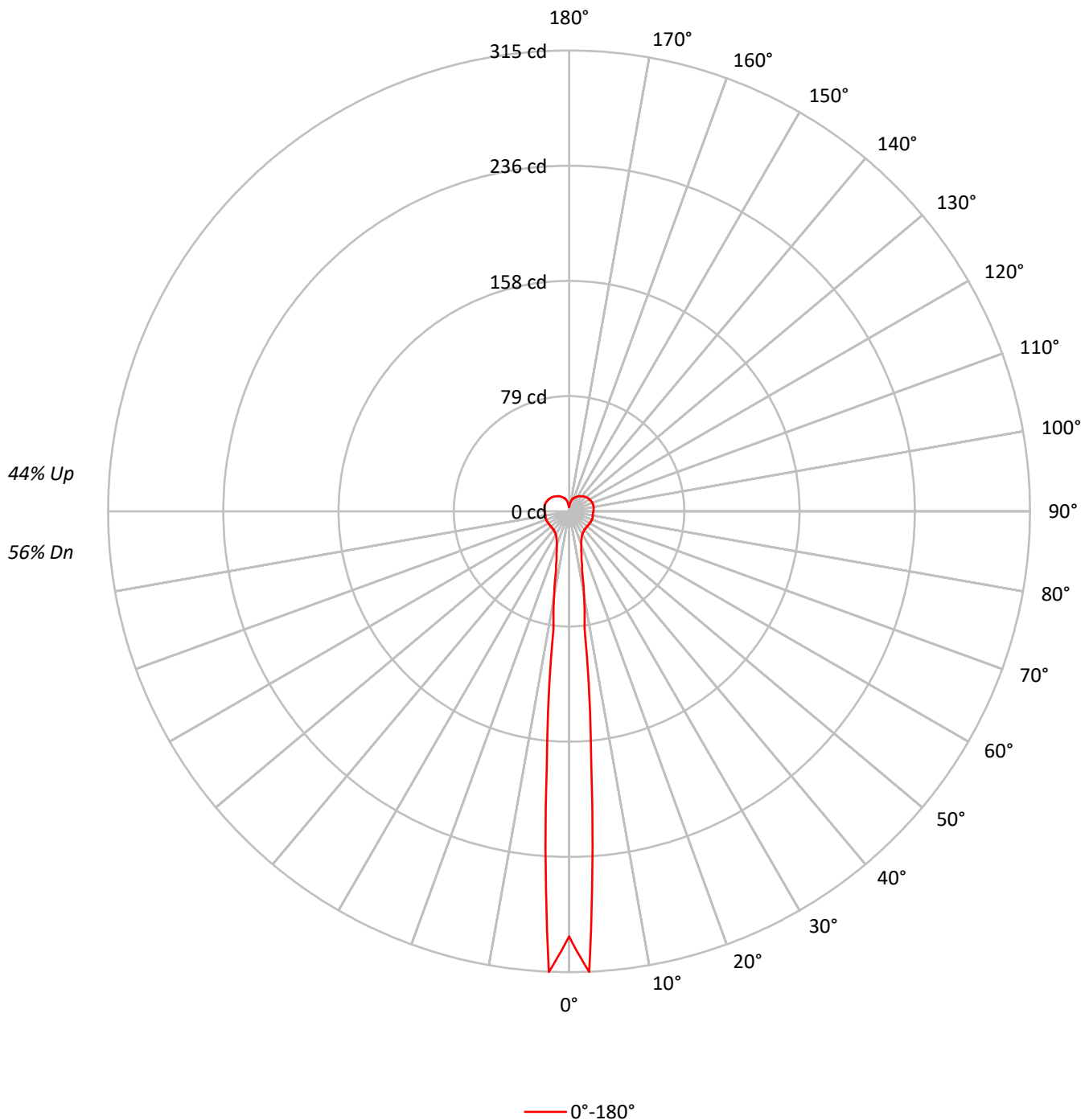
Lumens per Lamp: N/A
Luminaire Lumens: 215.8 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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: P1245289

CATALOG NUMBER: PRLX-UNA-L-927-02L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1245289

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56		
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40		
2	86	77	70	64	80	72	65	59	61	56	51	51	47	44	42	39	37	32		
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27		
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23		
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20		
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18		
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17		
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15		
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14		
10	47	35	27	23	44	33	26	21	29	23	19	25	21	17	22	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9190
5°	4307
10°	1210
15°	570
20°	376
25°	278
30°	229
35°	200
40°	180
45°	169
50°	161
55°	157
60°	154
65°	153
70°	153
75°	154
80°	152
85°	154

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 169 cd/sqm

TEST NUMBER: P1245289

CATALOG NUMBER: PRLX-UNA-L-927-02L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	6.0
10°-20°	9.7	4.5
20°-30°	9.5	4.4
30°-40°	10.8	5.0
40°-50°	12.6	5.8
50°-60°	14.6	6.7
60°-70°	16.4	7.6
70°-80°	17.6	8.1
80°-90°	17.9	8.3
90°-100°	18.4	8.5
100°-110°	18.0	8.4
110°-120°	16.5	7.6
120°-130°	14.1	6.5
130°-140°	11.1	5.1
140°-150°	7.9	3.7
150°-160°	5.0	2.3
160°-170°	2.4	1.1
170°-180°	0.5	0.2
0°-30°	32.1	14.9
0°-40°	42.9	19.9
0°-60°	70.0	32.4
0°-90°	121.9	56.5
90°-120°	52.9	24.5
90°-150°	86.0	39.9
90°-180°	94.0	43.6
0°-180°	215.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	290	
5°	175	13
15°	33	10
25°	20	9
35°	17	11
45°	16	13
55°	16	15
65°	16	16
75°	17	18
85°	16	13
90°	17	9
95°	17	14
105°	17	18
115°	17	16
125°	16	14
135°	14	11
145°	13	8
155°	11	5
165°	8	2
175°	4	0
180°	3	

TEST NUMBER: P1245289

CATALOG NUMBER: PRLX-UNA-L-927-02L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	290.5
2.5°	315.2
5°	174.6
7.5°	81.0
10°	59.5
12.5°	41.0
15°	32.7
17.5°	27.8
20°	24.5
22.5°	21.9
25°	20.2
27.5°	19.0
30°	18.2
32.5°	17.6
35°	17.1
37.5°	16.7
40°	16.4
42.5°	16.3
45°	16.2
47.5°	16.1
50°	16.1
52.5°	16.2
55°	16.2
57.5°	16.3
60°	16.3
62.5°	16.4
65°	16.5
67.5°	16.6
70°	16.6
72.5°	16.7
75°	16.7
77.5°	16.6
80°	16.4
82.5°	16.4
85°	16.4
87.5°	16.5
90°	16.6
92.5°	16.8
95°	16.9
97.5°	17.0
100°	17.1
102.5°	17.1
105°	17.1
107.5°	17.0
110°	16.9

TEST NUMBER: P1245289

CATALOG NUMBER: PRLX-UNA-L-927-02L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	16.8
115°	16.6
117.5°	16.4
120°	16.2
122.5°	15.9
125°	15.7
127.5°	15.4
130°	15.1
132.5°	14.7
135°	14.3
137.5°	13.9
140°	13.4
142.5°	13.0
145°	12.6
147.5°	12.2
150°	11.7
152.5°	11.2
155°	10.7
157.5°	10.2
160°	9.7
162.5°	9.2
165°	8.5
167.5°	7.7
170°	6.8
172.5°	5.7
175°	4.4
177.5°	3.3
180°	2.9

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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	1.0	2.0	1.9	2.9	4.1	1.0	2.0	1.9	2.9	4.1
	3H	3.8	4.8	4.7	5.7	6.9	3.8	4.8	4.7	5.7	6.9
	4H	5.2	6.1	6.1	7.0	8.2	5.2	6.1	6.1	7.0	8.2
	6H	6.5	7.4	7.5	8.3	9.5	6.5	7.4	7.5	8.3	9.5
	8H	7.2	8.0	8.1	8.9	10.1	7.2	8.0	8.1	8.9	10.1
	12H	7.8	8.6	8.7	9.5	10.8	7.8	8.6	8.7	9.5	10.8
4H	2H	1.7	2.6	2.6	3.5	4.7	1.7	2.6	2.6	3.5	4.7
	3H	4.7	5.5	5.7	6.5	7.7	4.7	5.5	5.7	6.5	7.7
	4H	6.3	7.0	7.2	7.9	9.2	6.3	7.0	7.2	7.9	9.2
	6H	7.8	8.4	8.7	9.4	10.6	7.8	8.4	8.7	9.4	10.6
	8H	8.5	9.1	9.5	10.1	11.3	8.5	9.1	9.5	10.1	11.3
	12H	9.2	9.8	10.2	10.8	12.0	9.2	9.8	10.2	10.8	12.0
8H	4H	6.8	7.4	7.7	8.3	9.6	6.8	7.4	7.7	8.3	9.6
	6H	8.5	9.0	9.4	10.0	11.2	8.5	9.0	9.4	10.0	11.2
	8H	9.4	9.8	10.3	10.8	12.1	9.4	9.8	10.3	10.8	12.1
	12H	10.3	10.7	11.2	11.7	13.0	10.3	10.7	11.2	11.7	13.0
12H	4H	6.9	7.4	7.8	8.4	9.7	6.9	7.4	7.8	8.4	9.7
	6H	8.6	9.1	9.6	10.1	11.4	8.6	9.1	9.6	10.1	11.4
	8H	9.6	10.0	10.6	11.0	12.3	9.6	10.0	10.6	11.0	12.3

(END OF REPORT)