

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: P1244791

Luminaire Tested: PRLX-MIN-L-927-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-927-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

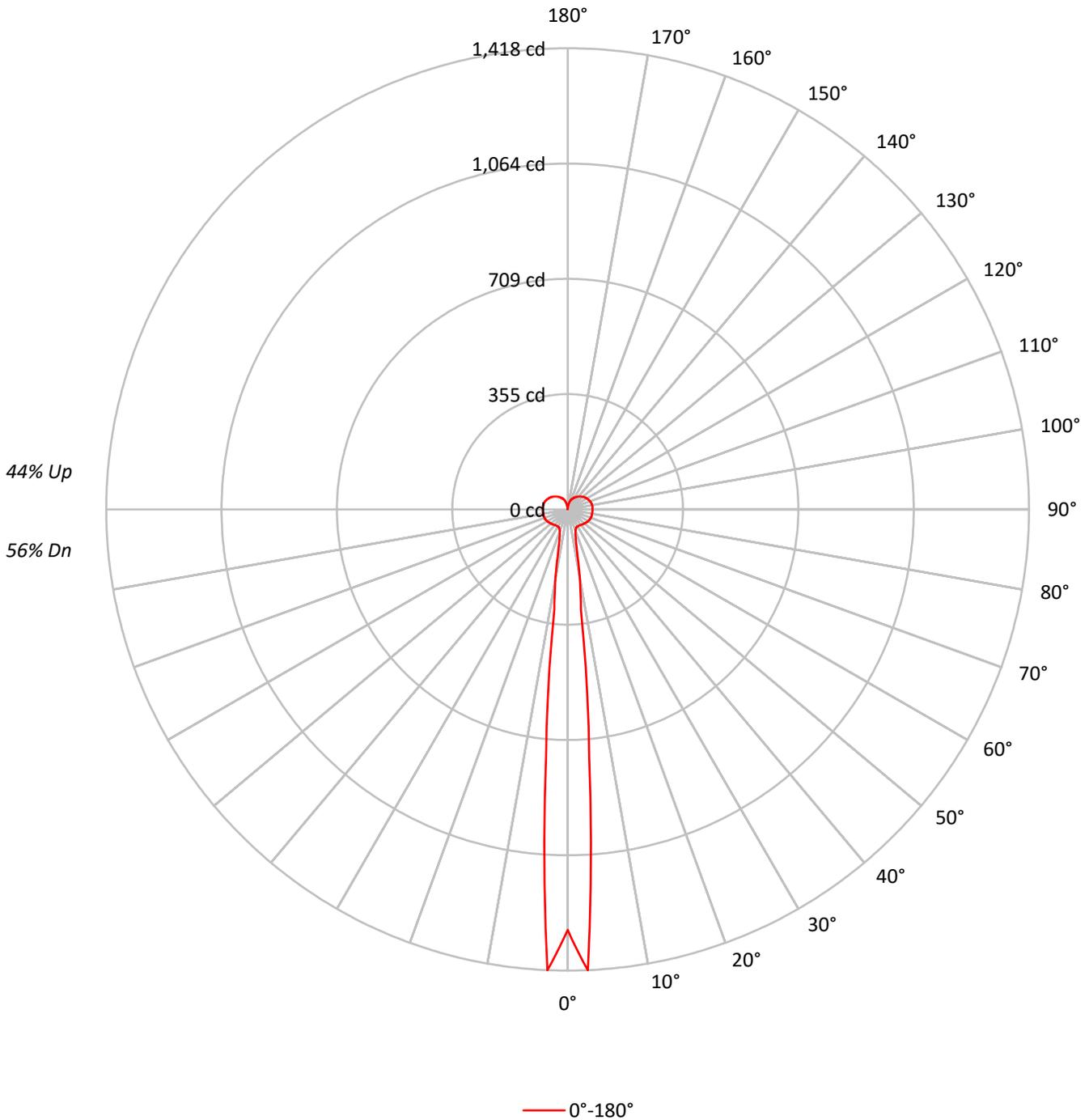
Lumens per Lamp: N/A
Luminaire Lumens: 892.0 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1244791

CATALOG NUMBER: PRLX-MIN-L-927-09L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1244791

CATALOG NUMBER: PRLX-MIN-L-927-09L-U-PS

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40906
5°	18759
10°	4373
15°	1669
20°	1078
25°	859
30°	763
35°	713
40°	689
45°	677
50°	673
55°	677
60°	682
65°	691
70°	698
75°	706
80°	706
85°	721

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 737 cd/sqm



TEST NUMBER: P1244791

CATALOG NUMBER: PRLX-MIN-L-927-09L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	6.1
10°-20°	30.0	3.4
20°-30°	29.3	3.3
30°-40°	38.4	4.3
40°-50°	50.3	5.6
50°-60°	62.7	7.0
60°-70°	73.7	8.3
70°-80°	80.6	9.0
80°-90°	83.4	9.3
90°-100°	83.5	9.4
100°-110°	79.3	8.9
110°-120°	70.2	7.9
120°-130°	57.8	6.5
130°-140°	43.6	4.9
140°-150°	29.5	3.3
150°-160°	17.3	1.9
160°-170°	7.1	0.8
170°-180°	0.7	0.1
0°-30°	113.8	12.8
0°-40°	152.2	17.1
0°-60°	265.3	29.7
0°-90°	502.9	56.4
90°-120°	233.1	26.1
90°-150°	364.0	40.8
90°-180°	389.0	43.6
0°-180°	892.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1293	
5°	760	55
15°	96	30
25°	62	29
35°	61	38
45°	65	50
55°	70	63
65°	74	74
75°	77	81
85°	77	62
90°	77	42
95°	77	63
105°	75	79
115°	71	70
125°	64	58
135°	56	44
145°	47	29
155°	37	17
165°	25	7
175°	4	1
180°	0	

TEST NUMBER: P1244791

CATALOG NUMBER: PRLX-MIN-L-927-09L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1293.0
2.5°	1418.4
5°	760.5
7.5°	309.5
10°	215.0
12.5°	131.7
15°	95.8
17.5°	79.7
20°	70.3
22.5°	65.4
25°	62.3
27.5°	60.9
30°	60.5
32.5°	60.5
35°	60.9
37.5°	61.4
40°	62.7
42.5°	63.6
45°	64.9
47.5°	66.3
50°	67.2
52.5°	68.5
55°	69.9
57.5°	71.2
60°	72.1
62.5°	73.4
65°	74.3
67.5°	75.2
70°	75.7
72.5°	76.1
75°	76.6
77.5°	76.1
80°	76.1
82.5°	76.1
85°	76.6
87.5°	76.6
90°	76.6
92.5°	76.6
95°	76.6
97.5°	76.6
100°	76.1
102.5°	75.7
105°	75.2
107.5°	74.3
110°	73.4

TEST NUMBER: P1244791

CATALOG NUMBER: PRLX-MIN-L-927-09L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.1
115°	70.8
117.5°	69.4
120°	67.6
122.5°	66.3
125°	64.5
127.5°	62.7
130°	60.5
132.5°	58.7
135°	56.4
137.5°	53.7
140°	51.5
142.5°	49.3
145°	46.6
147.5°	44.3
150°	42.1
152.5°	39.4
155°	37.2
157.5°	34.5
160°	31.8
162.5°	28.7
165°	25.1
167.5°	20.2
170°	13.9
172.5°	8.5
175°	3.6
177.5°	0.9
180°	0.4



TEST NUMBER: P1244791

CATALOG NUMBER: PRLX-MIN-L-927-09L-U-PS

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	6.3	7.3	7.1	8.2	9.4	6.3	7.3	7.1	8.2	9.4
	3H	9.3	10.2	10.2	11.1	12.3	9.3	10.2	10.2	11.1	12.3
	4H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	6H	12.1	13.0	13.0	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	8H	12.8	13.6	13.7	14.5	15.7	12.8	13.6	13.7	14.5	15.7
	12H	13.4	14.2	14.3	15.2	16.4	13.4	14.2	14.3	15.2	16.4
4H	2H	7.0	8.0	7.9	8.9	10.1	7.0	8.0	7.9	8.9	10.1
	3H	10.2	11.0	11.1	12.0	13.2	10.2	11.0	11.1	12.0	13.2
	4H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
	6H	13.4	14.0	14.3	15.0	16.2	13.4	14.0	14.3	15.0	16.2
	8H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
	12H	14.9	15.5	15.8	16.4	17.7	14.9	15.5	15.8	16.4	17.7
8H	4H	12.3	12.9	13.2	13.9	15.2	12.3	12.9	13.2	13.9	15.2
	6H	14.1	14.6	15.0	15.6	16.9	14.1	14.6	15.0	15.6	16.9
	8H	15.0	15.5	15.9	16.5	17.7	15.0	15.5	15.9	16.5	17.7
	12H	15.9	16.3	16.9	17.3	18.6	15.9	16.3	16.9	17.3	18.6
12H	4H	12.4	13.0	13.4	14.0	15.2	12.4	13.0	13.4	14.0	15.2
	6H	14.3	14.7	15.2	15.7	17.0	14.3	14.7	15.2	15.7	17.0
	8H	15.2	15.7	16.2	16.7	18.0	15.2	15.7	16.2	16.7	18.0

(END OF REPORT)