

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: P1244941

Luminaire Tested: PRLX-MIN-S-927-02L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-927-02L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

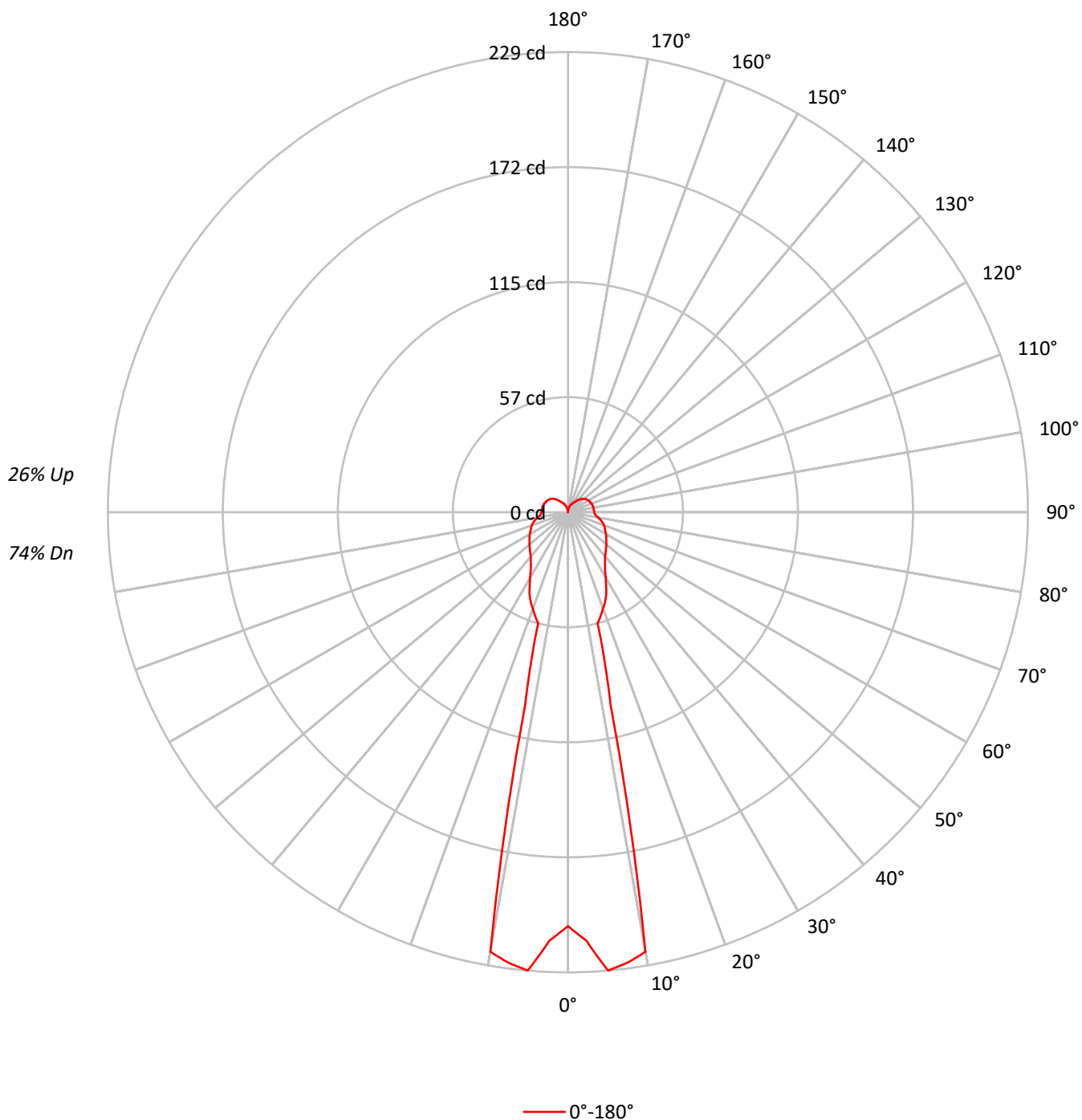
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 6.3
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: P1244941

CATALOG NUMBER: PRLX-MIN-S-927-02L-U-PS

Luminous Intensity Polar Plot



TEST NUMBER: P1244941

CATALOG NUMBER: PRLX-MIN-S-927-02L-U-PS

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
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97		87	87	87		78
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58
3	85	74	66	60	80	71	63	58	64	58	53		58	53	49		52
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5676
5°	5647
10°	4992
15°	1189
20°	993
25°	833
30°	663
35°	547
40°	478
45°	435
50°	402
55°	376
60°	354
65°	334
70°	319
75°	299
80°	273
85°	254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 435 cd/sqm

TEST NUMBER: P1244941

CATALOG NUMBER: PRLX-MIN-S-927-02L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	8.8
10°-20°	22.5	9.2
20°-30°	20.5	8.4
30°-40°	20.3	8.3
40°-50°	20.7	8.5
50°-60°	20.9	8.6
60°-70°	20.3	8.3
70°-80°	18.3	7.5
80°-90°	15.1	6.2
90°-100°	14.2	5.8
100°-110°	13.5	5.5
110°-120°	12.1	4.9
120°-130°	10.0	4.1
130°-140°	7.2	2.9
140°-150°	4.1	1.7
150°-160°	2.1	0.9
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	64.4	26.4
0°-40°	84.7	34.7
0°-60°	126.4	51.8
0°-90°	180.1	73.8
90°-120°	39.7	16.3
90°-150°	60.9	25.0
90°-180°	64.0	26.2
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	206	
5°	229	21
15°	57	23
25°	45	21
35°	32	20
45°	27	21
55°	23	21
65°	20	20
75°	17	18
85°	14	11
90°	13	7
95°	13	11
105°	13	13
115°	12	12
125°	11	10
135°	9	7
145°	6	4
155°	4	2
165°	3	1
175°	0	0
180°	0	

TEST NUMBER: P1244941

CATALOG NUMBER: PRLX-MIN-S-927-02L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	206.0
2.5°	213.5
5°	229.0
7.5°	226.2
10°	222.2
12.5°	98.3
15°	57.2
17.5°	54.2
20°	51.0
22.5°	48.4
25°	45.2
27.5°	41.1
30°	37.6
32.5°	34.4
35°	32.1
37.5°	30.3
40°	28.8
42.5°	27.7
45°	26.7
47.5°	25.8
50°	24.9
52.5°	24.1
55°	23.4
57.5°	22.6
60°	21.9
62.5°	21.1
65°	20.4
67.5°	19.8
70°	19.1
72.5°	18.3
75°	17.4
77.5°	16.4
80°	15.3
82.5°	14.2
85°	13.6
87.5°	13.3
90°	13.1
92.5°	13.1
95°	12.9
97.5°	12.9
100°	12.9
102.5°	12.9
105°	12.7
107.5°	12.7
110°	12.5

TEST NUMBER: P1244941

CATALOG NUMBER: PRLX-MIN-S-927-02L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.3
115°	12.1
117.5°	12.0
120°	11.8
122.5°	11.4
125°	11.2
127.5°	10.8
130°	10.3
132.5°	9.9
135°	9.2
137.5°	8.6
140°	7.9
142.5°	7.1
145°	6.4
147.5°	5.8
150°	5.4
152.5°	5.0
155°	4.5
157.5°	4.1
160°	3.7
162.5°	3.4
165°	2.8
167.5°	2.2
170°	1.5
172.5°	0.7
175°	0.2
177.5°	0.0
180°	0.0

TEST NUMBER: P1244941

CATALOG NUMBER: PRLX-MIN-S-927-02L-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	5.3	6.4	6.0	7.2	8.0	5.3	6.4	6.0	7.2	8.0
	3H	7.6	8.6	8.3	9.4	10.3	7.6	8.6	8.3	9.4	10.3
	4H	8.6	9.6	9.4	10.4	11.3	8.6	9.6	9.4	10.4	11.3
	6H	9.6	10.5	10.4	11.3	12.2	9.6	10.5	10.4	11.3	12.2
	8H	10.0	10.9	10.8	11.7	12.6	10.0	10.9	10.8	11.7	12.6
	12H	10.4	11.3	11.2	12.1	13.0	10.4	11.3	11.2	12.1	13.0
4H	2H	5.9	6.9	6.6	7.6	8.6	5.9	6.9	6.6	7.6	8.6
	3H	8.4	9.3	9.2	10.1	11.0	8.4	9.3	9.2	10.1	11.0
	4H	9.6	10.4	10.4	11.2	12.2	9.6	10.4	10.4	11.2	12.2
	6H	10.7	11.4	11.5	12.2	13.2	10.7	11.4	11.5	12.2	13.2
	8H	11.2	11.9	12.0	12.7	13.7	11.2	11.9	12.0	12.7	13.7
	12H	11.7	12.3	12.5	13.2	14.2	11.7	12.3	12.5	13.2	14.2
8H	4H	10.0	10.6	10.8	11.5	12.5	10.0	10.6	10.8	11.5	12.5
	6H	11.3	11.8	12.1	12.7	13.7	11.3	11.8	12.1	12.7	13.7
	8H	11.9	12.4	12.7	13.3	14.3	11.9	12.4	12.7	13.3	14.3
	12H	12.6	13.0	13.4	13.9	14.9	12.6	13.0	13.4	13.9	14.9
12H	4H	10.0	10.6	10.9	11.5	12.5	10.0	10.6	10.9	11.5	12.5
	6H	11.4	11.9	12.2	12.7	13.8	11.4	11.9	12.2	12.7	13.8
	8H	12.1	12.6	12.9	13.4	14.5	12.1	12.6	12.9	13.4	14.5

(END OF REPORT)