

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: P1245209

Luminaire Tested: PRLX-NIM-S-927-02L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-927-02L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURED
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

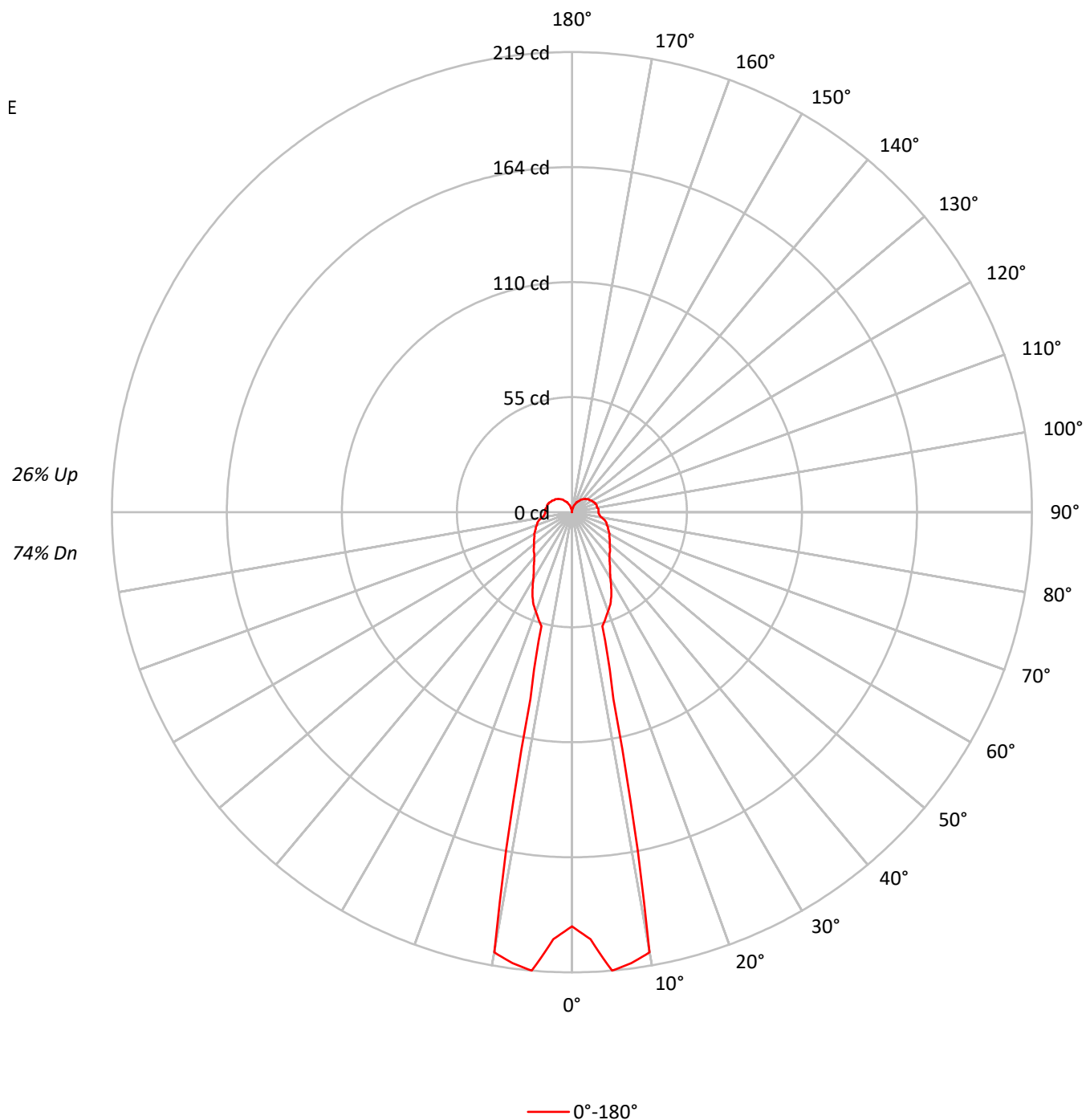
Lumens per Lamp: N/A
Luminaire Lumens: 234.0 lumens
Efficiency: N/A
Efficacy: 37.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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

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Luminous Intensity Polar Plot



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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
RCR																	
0	113	113	113	113	107	107	107	107	96	96	96		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	64	58	64	58	53		58	53	49		52
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6236
5°	6152
10°	5410
15°	1313
20°	1095
25°	912
30°	720
35°	597
40°	510
45°	462
50°	418
55°	386
60°	366
65°	339
70°	321
75°	307
80°	275
85°	264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	8.7
10°-20°	21.7	9.3
20°-30°	20.2	8.6
30°-40°	19.9	8.5
40°-50°	19.8	8.5
50°-60°	19.7	8.4
60°-70°	19.0	8.1
70°-80°	17.3	7.4
80°-90°	14.4	6.2
90°-100°	13.8	5.9
100°-110°	12.9	5.5
110°-120°	11.3	4.8
120°-130°	9.2	3.9
130°-140°	6.9	2.9
140°-150°	4.4	1.9
150°-160°	2.3	1.0
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	62.3	26.6
0°-40°	82.1	35.1
0°-60°	121.6	52.0
0°-90°	172.3	73.6
90°-120°	38.0	16.2
90°-150°	58.5	25.0
90°-180°	62.0	26.5
0°-180°	234.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	197	
5°	219	20
15°	56	22
25°	44	20
35°	32	20
45°	26	20
55°	22	20
65°	19	19
75°	16	17
85°	13	11
90°	13	7
95°	13	10
105°	12	13
115°	11	11
125°	10	9
135°	9	7
145°	7	4
155°	5	2
165°	2	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	197.1
2.5°	203.4
5°	219.0
7.5°	216.5
10°	212.7
12.5°	91.1
15°	56.1
17.5°	53.2
20°	50.2
22.5°	47.7
25°	44.3
27.5°	40.5
30°	36.7
32.5°	33.8
35°	31.6
37.5°	29.5
40°	27.8
42.5°	26.6
45°	25.7
47.5°	24.5
50°	23.6
52.5°	22.8
55°	21.9
57.5°	21.1
60°	20.7
62.5°	19.8
65°	19.0
67.5°	18.6
70°	17.7
72.5°	17.3
75°	16.5
77.5°	15.6
80°	14.3
82.5°	13.5
85°	13.1
87.5°	12.7
90°	12.7
92.5°	12.7
95°	12.7
97.5°	12.7
100°	12.2
102.5°	12.2
105°	12.2
107.5°	12.2
110°	11.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.8
115°	11.4
117.5°	11.0
120°	11.0
122.5°	10.5
125°	10.1
127.5°	10.1
130°	9.7
132.5°	9.3
135°	8.9
137.5°	8.4
140°	8.0
142.5°	7.6
145°	7.2
147.5°	6.3
150°	5.9
152.5°	5.5
155°	5.1
157.5°	4.2
160°	3.8
162.5°	3.4
165°	2.5
167.5°	2.1
170°	1.7
172.5°	0.8
175°	0.4
177.5°	0.0
180°	0.0

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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	5.2	6.4	6.0	7.1	8.0	5.2	6.4	6.0	7.1	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	5.8	6.8	6.6	7.6	8.5	5.8	6.8	6.6	7.6	8.5
	3H	8.4	9.2	9.1	10.0	11.0	8.4	9.2	9.1	10.0	11.0
	4H	9.6	10.4	10.4	11.2	12.1	9.6	10.4	10.4	11.2	12.1
	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	12.6	13.2	14.2	11.7	12.3	12.6	13.2	14.2
8H	4H	10.0	10.6	10.8	11.5	12.4	10.0	10.6	10.8	11.5	12.4
	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)