

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: P1245268

Luminaire Tested: PRLX-NIM-S-940-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245268
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-940-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

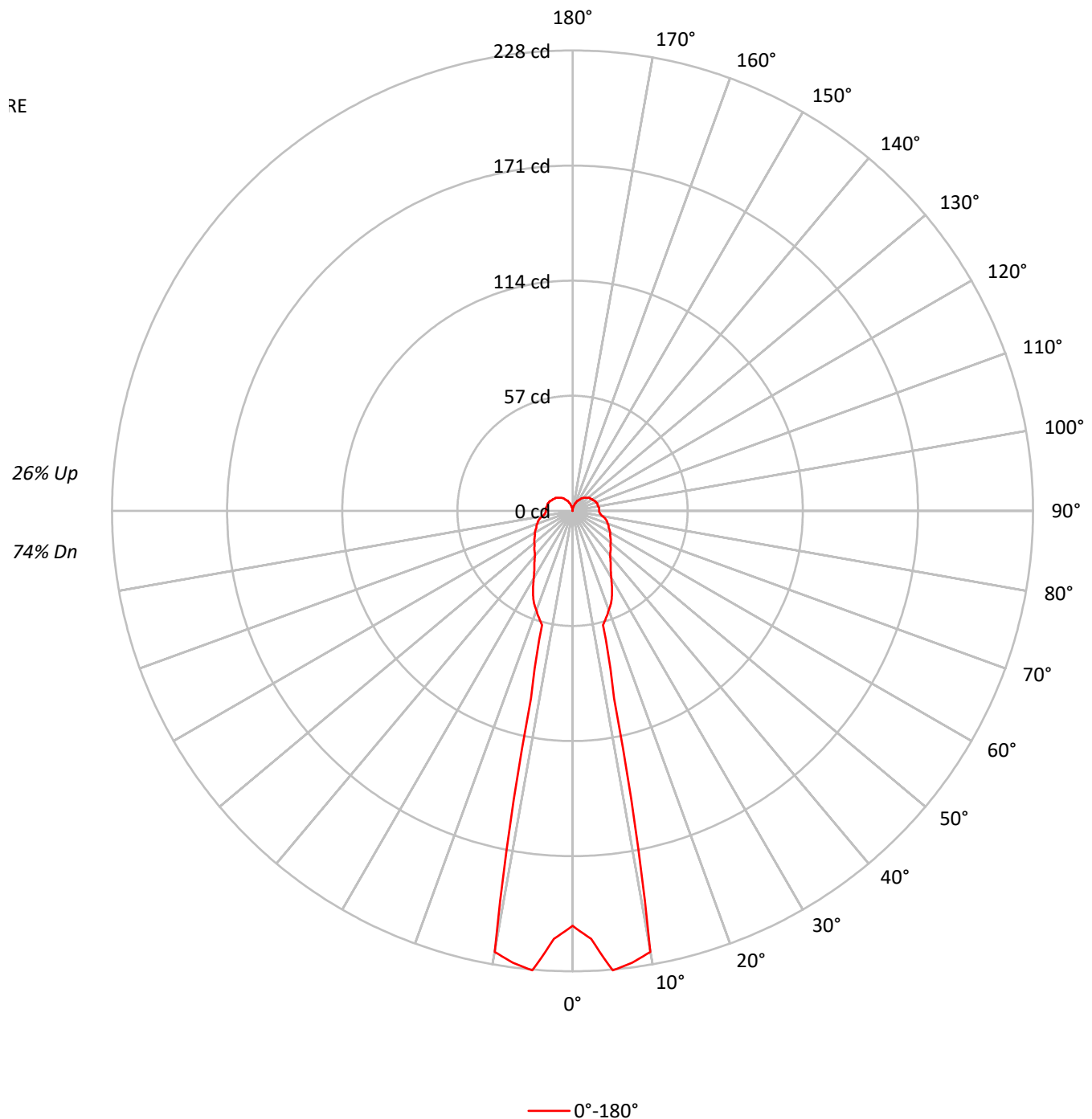
Lumens per Lamp: N/A
Luminaire Lumens: 244.1 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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	30	10	0		
RCR																				
0	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	74		
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58		
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49		
3	85	74	66	60	80	71	64	58	64	58	53	58	53	49	52	48	45	42		
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40	37		
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33		
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30		
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28		
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28	26		
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24		
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6501
5°	6416
10°	5642
15°	1369
20°	1144
25°	951
30°	752
35°	623
40°	532
45°	481
50°	436
55°	404
60°	381
65°	353
70°	336
75°	320
80°	289
85°	274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	8.7
10°-20°	22.6	9.3
20°-30°	21.0	8.6
30°-40°	20.7	8.5
40°-50°	20.6	8.5
50°-60°	20.6	8.4
60°-70°	19.8	8.1
70°-80°	18.0	7.4
80°-90°	15.0	6.1
90°-100°	14.3	5.9
100°-110°	13.5	5.5
110°-120°	11.8	4.8
120°-130°	9.6	4.0
130°-140°	7.2	2.9
140°-150°	4.6	1.9
150°-160°	2.4	1.0
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	64.9	26.6
0°-40°	85.6	35.1
0°-60°	126.8	52.0
0°-90°	179.7	73.6
90°-120°	39.6	16.2
90°-150°	61.1	25.0
90°-180°	64.0	26.2
0°-180°	244.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	206	
5°	228	21
15°	58	23
25°	46	21
35°	33	21
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°	8	5
155°	5	2
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	205.5
2.5°	212.1
5°	228.4
7.5°	225.7
10°	221.8
12.5°	95.0
15°	58.5
17.5°	55.4
20°	52.4
22.5°	49.7
25°	46.2
27.5°	42.2
30°	38.3
32.5°	35.2
35°	33.0
37.5°	30.8
40°	29.0
42.5°	27.7
45°	26.8
47.5°	25.5
50°	24.6
52.5°	23.8
55°	22.9
57.5°	22.0
60°	21.6
62.5°	20.7
65°	19.8
67.5°	19.4
70°	18.5
72.5°	18.0
75°	17.2
77.5°	16.3
80°	15.0
82.5°	14.1
85°	13.6
87.5°	13.2
90°	13.2
92.5°	13.2
95°	13.2
97.5°	13.2
100°	12.8
102.5°	12.8
105°	12.8
107.5°	12.8
110°	12.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.3
115°	11.9
117.5°	11.4
120°	11.4
122.5°	11.0
125°	10.6
127.5°	10.6
130°	10.1
132.5°	9.7
135°	9.2
137.5°	8.8
140°	8.4
142.5°	7.9
145°	7.5
147.5°	6.6
150°	6.2
152.5°	5.7
155°	5.3
157.5°	4.4
160°	4.0
162.5°	3.5
165°	2.6
167.5°	2.2
170°	1.8
172.5°	0.9
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	5.4	6.5	6.1	7.3	8.2	5.4	6.5	6.1	7.3	8.2
	3H	7.7	8.7	8.4	9.5	10.4	7.7	8.7	8.4	9.5	10.4
	4H	8.8	9.8	9.5	10.5	11.5	8.8	9.8	9.5	10.5	11.5
	6H	9.7	10.7	10.5	11.4	12.4	9.7	10.7	10.5	11.4	12.4
	8H	10.2	11.1	10.9	11.8	12.8	10.2	11.1	10.9	11.8	12.8
	12H	10.6	11.4	11.4	12.2	13.2	10.6	11.4	11.4	12.2	13.2
4H	2H	6.0	7.0	6.7	7.7	8.7	6.0	7.0	6.7	7.7	8.7
	3H	8.5	9.4	9.3	10.2	11.1	8.5	9.4	9.3	10.2	11.1
	4H	9.7	10.5	10.5	11.3	12.3	9.7	10.5	10.5	11.3	12.3
	6H	10.9	11.6	11.7	12.4	13.4	10.9	11.6	11.7	12.4	13.4
	8H	11.4	12.0	12.2	12.8	13.8	11.4	12.0	12.2	12.8	13.8
	12H	11.9	12.5	12.7	13.3	14.3	11.9	12.5	12.7	13.3	14.3
8H	4H	10.1	10.8	10.9	11.6	12.6	10.1	10.8	10.9	11.6	12.6
	6H	11.4	12.0	12.3	12.8	13.8	11.4	12.0	12.3	12.8	13.8
	8H	12.1	12.6	12.9	13.4	14.4	12.1	12.6	12.9	13.4	14.4
	12H	12.7	13.2	13.6	14.0	15.1	12.7	13.2	13.6	14.0	15.1
12H	4H	10.2	10.8	11.0	11.6	12.6	10.2	10.8	11.0	11.6	12.6
	6H	11.6	12.1	12.4	12.9	13.9	11.6	12.1	12.4	12.9	13.9
	8H	12.3	12.7	13.1	13.6	14.6	12.3	12.7	13.1	13.6	14.6

(END OF REPORT)