

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: P1245097

Luminaire Tested: PRLX-NIM-L-940-02L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-940-02L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

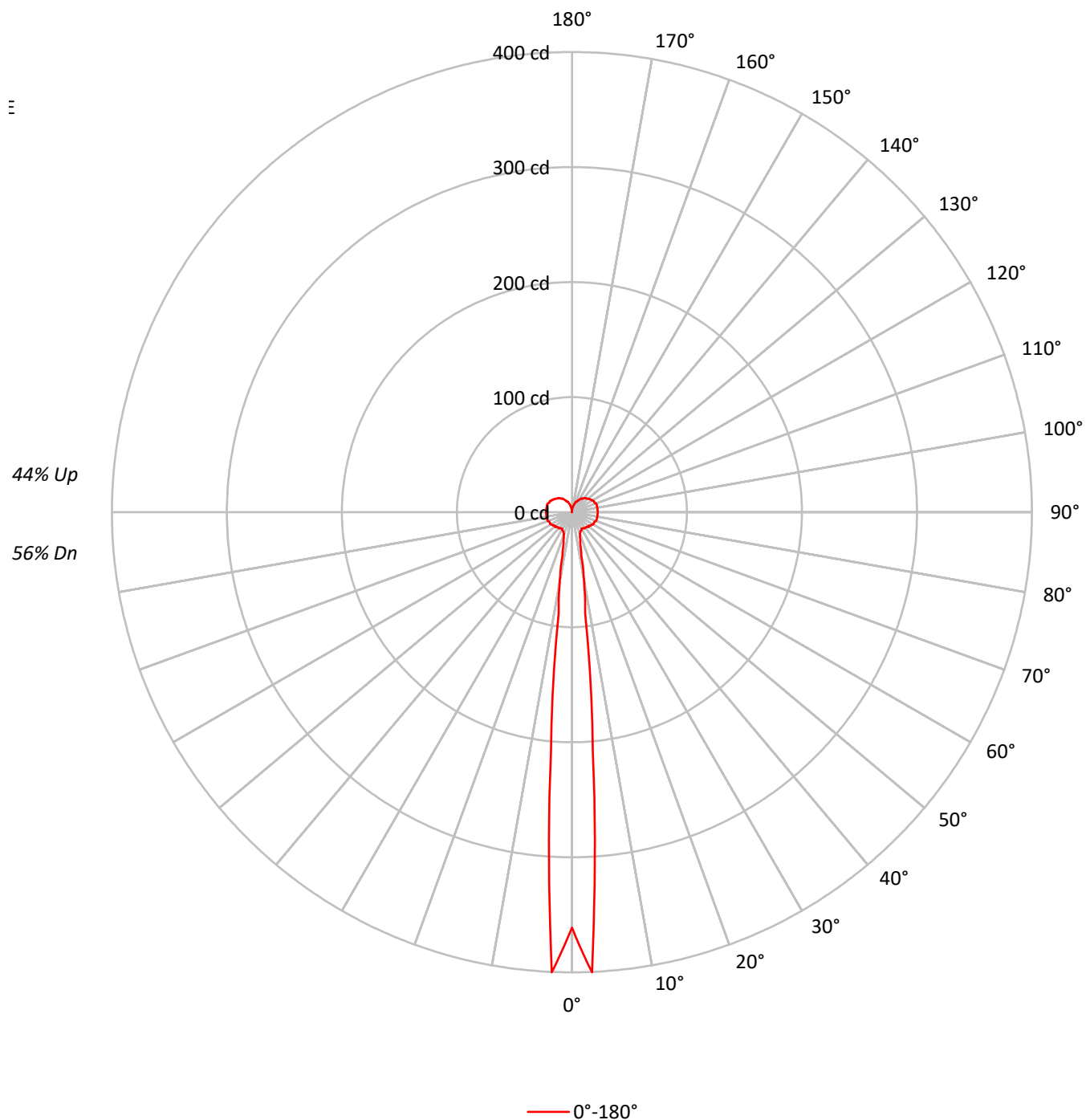
Lumens per Lamp: N/A
Luminaire Lumens: 260.8 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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

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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	50	30	10
RCR																				
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61			56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43			38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34			30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28			24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24			20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21			18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19			16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17			15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16			13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15			12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14			12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11424
5°	5172
10°	1233
15°	488
20°	310
25°	247
30°	212
35°	197
40°	197
45°	187
50°	191
55°	196
60°	201
65°	198
70°	207
75°	206
80°	208
85°	211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	5.9
10°-20°	8.7	3.3
20°-30°	8.5	3.2
30°-40°	10.8	4.2
40°-50°	14.2	5.5
50°-60°	17.9	6.9
60°-70°	21.3	8.2
70°-80°	23.7	9.1
80°-90°	24.4	9.4
90°-100°	24.4	9.4
100°-110°	23.7	9.1
110°-120°	21.2	8.1
120°-130°	17.4	6.7
130°-140°	13.2	5.1
140°-150°	8.9	3.4
150°-160°	4.9	1.9
160°-170°	2.0	0.8
170°-180°	0.2	0.1
0°-30°	32.5	12.4
0°-40°	43.3	16.6
0°-60°	75.4	28.9
0°-90°	144.8	55.5
90°-120°	69.3	26.6
90°-150°	108.9	41.7
90°-180°	116.0	44.5
0°-180°	260.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	361	
5°	210	15
15°	28	9
25°	18	8
35°	17	11
45°	18	14
55°	20	18
65°	21	21
75°	22	24
85°	22	18
90°	22	12
95°	22	18
105°	22	24
115°	21	21
125°	19	17
135°	17	13
145°	15	9
155°	10	5
165°	7	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	361.1
2.5°	400.4
5°	209.7
7.5°	88.6
10°	60.6
12.5°	38.1
15°	28.0
17.5°	23.6
20°	20.2
22.5°	19.1
25°	17.9
27.5°	17.9
30°	16.8
32.5°	16.8
35°	16.8
37.5°	17.9
40°	17.9
42.5°	17.9
45°	17.9
47.5°	19.1
50°	19.1
52.5°	19.1
55°	20.2
57.5°	20.2
60°	21.3
62.5°	21.3
65°	21.3
67.5°	21.3
70°	22.4
72.5°	22.4
75°	22.4
77.5°	22.4
80°	22.4
82.5°	22.4
85°	22.4
87.5°	22.4
90°	22.4
92.5°	22.4
95°	22.4
97.5°	22.4
100°	22.4
102.5°	22.4
105°	22.4
107.5°	22.4
110°	22.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	21.3
115°	21.3
117.5°	21.3
120°	20.2
122.5°	20.2
125°	19.1
127.5°	19.1
130°	17.9
132.5°	17.9
135°	16.8
137.5°	16.8
140°	15.7
142.5°	14.6
145°	14.6
147.5°	13.5
150°	12.3
152.5°	11.2
155°	10.1
157.5°	10.1
160°	9.0
162.5°	7.9
165°	6.7
167.5°	5.6
170°	4.5
172.5°	3.4
175°	1.1
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	1.8	2.8	2.7	3.7	4.9	1.8	2.8	2.7	3.7	4.9
	3H	4.8	5.8	5.7	6.7	7.9	4.8	5.8	5.7	6.7	7.9
	4H	6.3	7.2	7.2	8.2	9.4	6.3	7.2	7.2	8.2	9.4
	6H	7.8	8.6	8.7	9.6	10.8	7.8	8.6	8.7	9.6	10.8
	8H	8.4	9.3	9.4	10.2	11.4	8.4	9.3	9.4	10.2	11.4
	12H	9.1	9.9	10.0	10.8	12.1	9.1	9.9	10.0	10.8	12.1
4H	2H	2.6	3.5	3.5	4.4	5.6	2.6	3.5	3.5	4.4	5.6
	3H	5.8	6.6	6.8	7.6	8.8	5.8	6.6	6.8	7.6	8.8
	4H	7.5	8.2	8.4	9.2	10.4	7.5	8.2	8.4	9.2	10.4
	6H	9.1	9.7	10.0	10.7	11.9	9.1	9.7	10.0	10.7	11.9
	8H	9.8	10.4	10.8	11.4	12.7	9.8	10.4	10.8	11.4	12.7
	12H	10.6	11.2	11.5	12.1	13.4	10.6	11.2	11.5	12.1	13.4
8H	4H	8.0	8.6	8.9	9.6	10.8	8.0	8.6	8.9	9.6	10.8
	6H	9.8	10.3	10.7	11.3	12.6	9.8	10.3	10.7	11.3	12.6
	8H	10.7	11.2	11.7	12.2	13.4	10.7	11.2	11.7	12.2	13.4
	12H	11.6	12.1	12.6	13.1	14.4	11.6	12.1	12.6	13.1	14.4
12H	4H	8.1	8.7	9.1	9.7	10.9	8.1	8.7	9.1	9.7	10.9
	6H	10.0	10.4	10.9	11.4	12.7	10.0	10.4	10.9	11.4	12.7
	8H	11.0	11.4	11.9	12.4	13.7	11.0	11.4	11.9	12.4	13.7

(END OF REPORT)