

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: P1245109

Luminaire Tested: PRLX-NIM-L-940-12L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245109
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-940-12L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

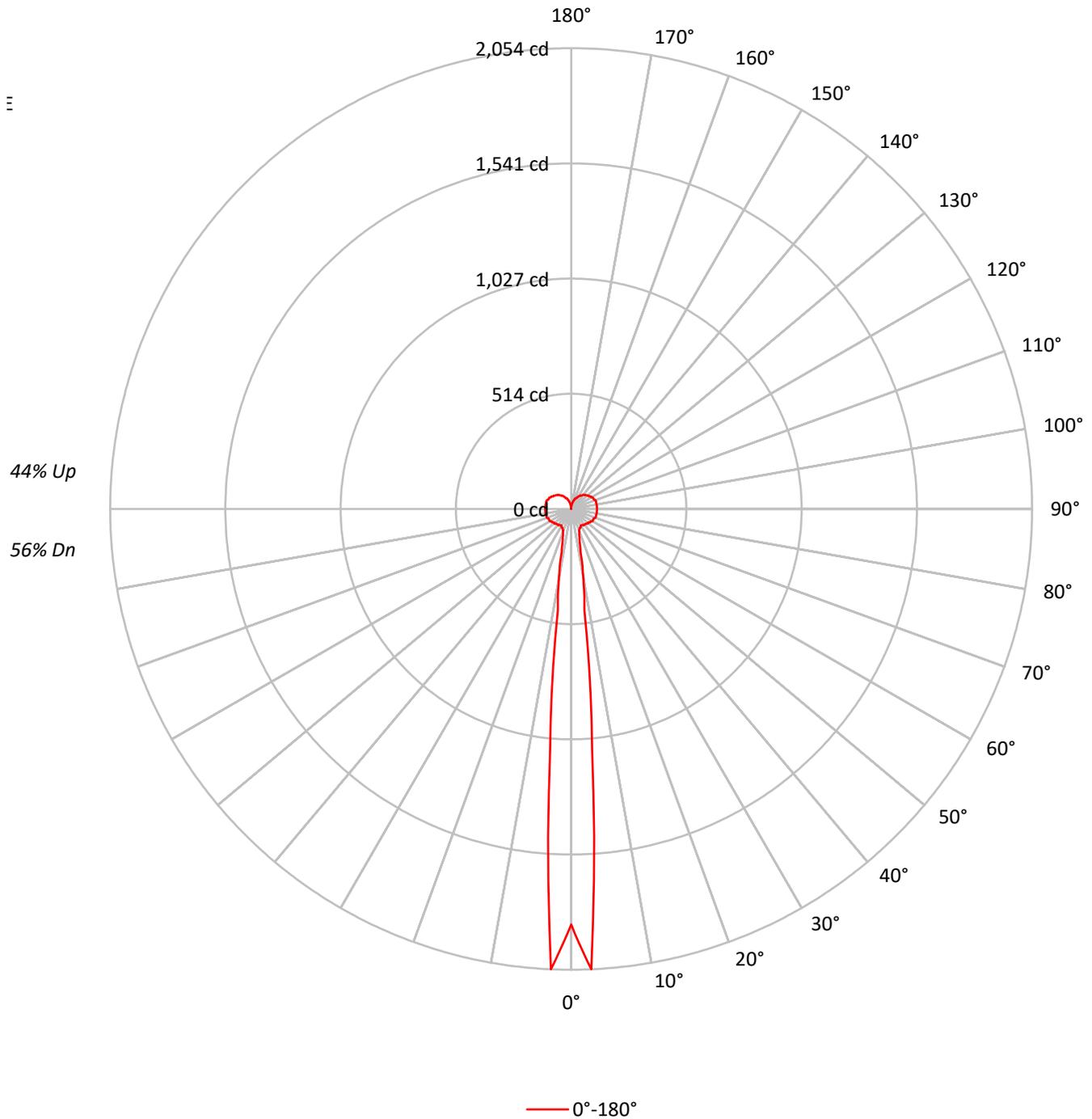
Lumens per Lamp: N/A
Luminaire Lumens: 1339.1 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	58613
5°	26541
10°	6320
15°	2505
20°	1588
25°	1270
30°	1088
35°	1010
40°	1012
45°	961
50°	979
55°	1004
60°	1034
65°	1017
70°	1062
75°	1061
80°	1068
85°	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1108 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	5.9
10°-20°	44.6	3.3
20°-30°	43.4	3.2
30°-40°	55.7	4.2
40°-50°	73.1	5.5
50°-60°	91.7	6.9
60°-70°	109.2	8.2
70°-80°	121.8	9.1
80°-90°	125.6	9.4
90°-100°	125.6	9.4
100°-110°	121.8	9.1
110°-120°	108.5	8.1
120°-130°	89.2	6.7
130°-140°	68.1	5.1
140°-150°	45.8	3.4
150°-160°	25.2	1.9
160°-170°	10.1	0.8
170°-180°	1.2	0.1
0°-30°	166.6	12.4
0°-40°	222.3	16.6
0°-60°	387.1	28.9
0°-90°	743.6	55.5
90°-120°	355.9	26.6
90°-150°	559.0	41.7
90°-180°	595.0	44.4
0°-180°	1339.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1853	
5°	1076	79
15°	144	45
25°	92	43
35°	86	56
45°	92	73
55°	104	92
65°	109	109
75°	115	122
85°	115	94
90°	115	63
95°	115	94
105°	115	122
115°	109	109
125°	98	89
135°	86	68
145°	75	46
155°	52	25
165°	34	10
175°	6	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1852.7
2.5°	2054.1
5°	1076.0
7.5°	454.6
10°	310.7
12.5°	195.6
15°	143.8
17.5°	120.8
20°	103.6
22.5°	97.8
25°	92.1
27.5°	92.1
30°	86.3
32.5°	86.3
35°	86.3
37.5°	92.1
40°	92.1
42.5°	92.1
45°	92.1
47.5°	97.8
50°	97.8
52.5°	97.8
55°	103.6
57.5°	103.6
60°	109.3
62.5°	109.3
65°	109.3
67.5°	109.3
70°	115.1
72.5°	115.1
75°	115.1
77.5°	115.1
80°	115.1
82.5°	115.1
85°	115.1
87.5°	115.1
90°	115.1
92.5°	115.1
95°	115.1
97.5°	115.1
100°	115.1
102.5°	115.1
105°	115.1
107.5°	115.1
110°	115.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.3
115°	109.3
117.5°	109.3
120°	103.6
122.5°	103.6
125°	97.8
127.5°	97.8
130°	92.1
132.5°	92.1
135°	86.3
137.5°	86.3
140°	80.6
142.5°	74.8
145°	74.8
147.5°	69.0
150°	63.3
152.5°	57.5
155°	51.8
157.5°	51.8
160°	46.0
162.5°	40.3
165°	34.5
167.5°	28.8
170°	23.0
172.5°	17.3
175°	5.8
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	7.5	8.5	8.3	9.4	10.6	7.5	8.5	8.3	9.4	10.6
	3H	10.5	11.5	11.4	12.4	13.6	10.5	11.5	11.4	12.4	13.6
	4H	12.0	12.9	12.9	13.9	15.1	12.0	12.9	12.9	13.9	15.1
	6H	13.5	14.3	14.4	15.2	16.5	13.5	14.3	14.4	15.2	16.5
	8H	14.1	15.0	15.1	15.9	17.1	14.1	15.0	15.1	15.9	17.1
	12H	14.8	15.6	15.7	16.5	17.8	14.8	15.6	15.7	16.5	17.8
4H	2H	8.3	9.2	9.2	10.1	11.3	8.3	9.2	9.2	10.1	11.3
	3H	11.5	12.3	12.4	13.3	14.5	11.5	12.3	12.4	13.3	14.5
	4H	13.1	13.9	14.1	14.8	16.1	13.1	13.9	14.1	14.8	16.1
	6H	14.7	15.4	15.7	16.4	17.6	14.7	15.4	15.7	16.4	17.6
	8H	15.5	16.1	16.5	17.1	18.4	15.5	16.1	16.5	17.1	18.4
	12H	16.3	16.8	17.2	17.8	19.1	16.3	16.8	17.2	17.8	19.1
8H	4H	13.7	14.3	14.6	15.3	16.5	13.7	14.3	14.6	15.3	16.5
	6H	15.5	16.0	16.4	17.0	18.3	15.5	16.0	16.4	17.0	18.3
	8H	16.4	16.9	17.4	17.9	19.1	16.4	16.9	17.4	17.9	19.1
	12H	17.3	17.7	18.3	18.7	20.1	17.3	17.7	18.3	18.7	20.1
12H	4H	13.8	14.3	14.7	15.3	16.6	13.8	14.3	14.7	15.3	16.6
	6H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
	8H	16.6	17.1	17.6	18.1	19.4	16.6	17.1	17.6	18.1	19.4

(END OF REPORT)