

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: P1245049

Luminaire Tested: PRLX-NIM-L-930-16L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245049
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-930-16L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

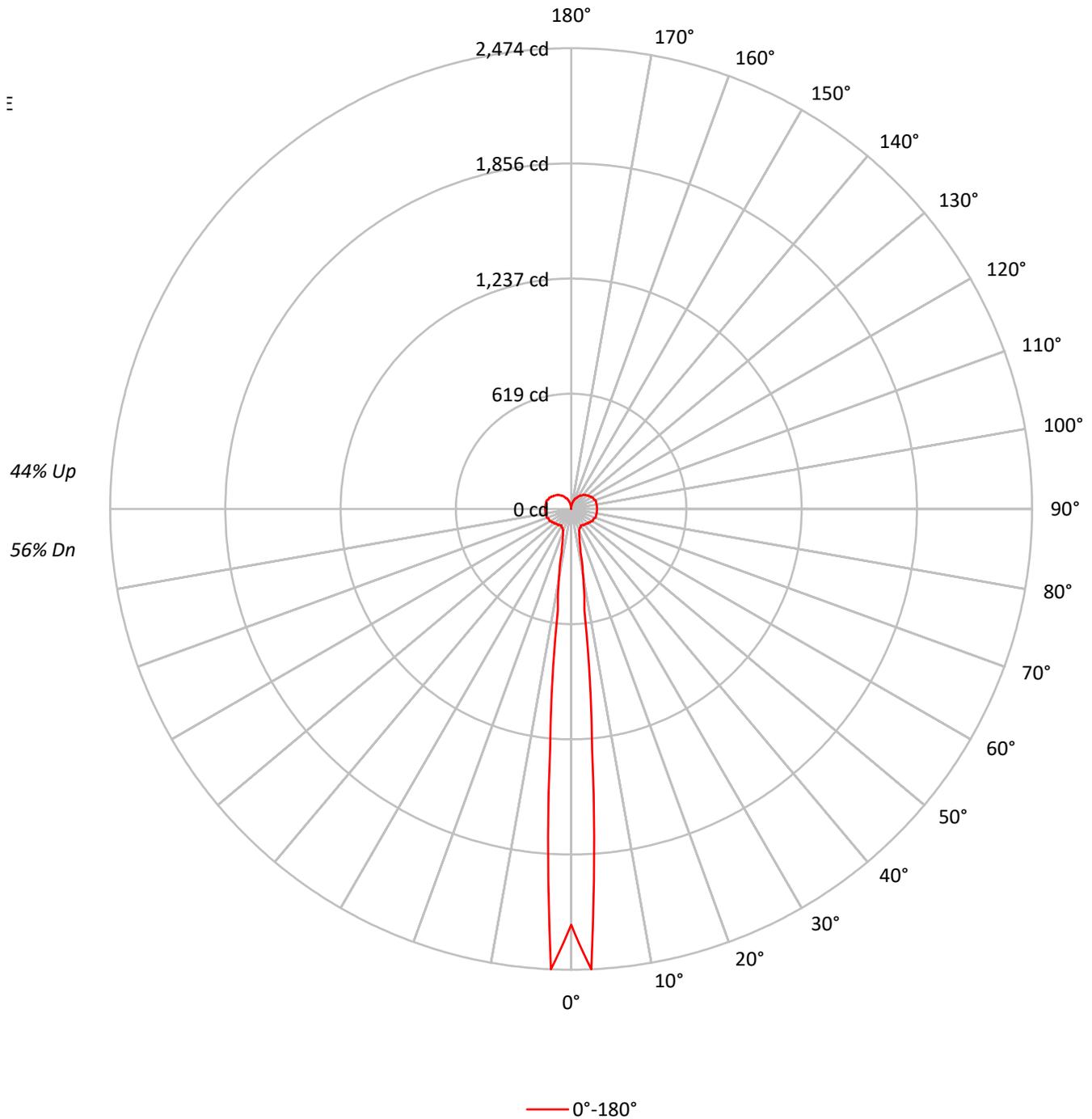
Lumens per Lamp: N/A
Luminaire Lumens: 1612.9 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	70609
5°	31970
10°	7613
15°	3018
20°	1913
25°	1529
30°	1311
35°	1217
40°	1219
45°	1158
50°	1179
55°	1209
60°	1245
65°	1225
70°	1278
75°	1277
80°	1286
85°	1305

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	5.9
10°-20°	53.8	3.3
20°-30°	52.3	3.2
30°-40°	67.1	4.2
40°-50°	88.0	5.5
50°-60°	110.5	6.9
60°-70°	131.6	8.2
70°-80°	146.6	9.1
80°-90°	151.2	9.4
90°-100°	151.2	9.4
100°-110°	146.6	9.1
110°-120°	130.8	8.1
120°-130°	107.4	6.7
130°-140°	82.0	5.1
140°-150°	55.2	3.4
150°-160°	30.3	1.9
160°-170°	12.2	0.8
170°-180°	1.5	0.1
0°-30°	200.7	12.4
0°-40°	267.8	16.6
0°-60°	466.3	28.9
0°-90°	895.7	55.5
90°-120°	428.6	26.6
90°-150°	673.2	41.7
90°-180°	717.0	44.5
0°-180°	1612.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2232	
5°	1296	95
15°	173	54
25°	111	52
35°	104	67
45°	111	88
55°	125	111
65°	132	132
75°	139	147
85°	139	113
90°	139	76
95°	139	113
105°	139	147
115°	132	131
125°	118	107
135°	104	82
145°	90	55
155°	62	30
165°	42	12
175°	7	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2231.9
2.5°	2474.5
5°	1296.1
7.5°	547.6
10°	374.3
12.5°	235.7
15°	173.3
17.5°	145.6
20°	124.8
22.5°	117.8
25°	110.9
27.5°	110.9
30°	104.0
32.5°	104.0
35°	104.0
37.5°	110.9
40°	110.9
42.5°	110.9
45°	110.9
47.5°	117.8
50°	117.8
52.5°	117.8
55°	124.8
57.5°	124.8
60°	131.7
62.5°	131.7
65°	131.7
67.5°	131.7
70°	138.6
72.5°	138.6
75°	138.6
77.5°	138.6
80°	138.6
82.5°	138.6
85°	138.6
87.5°	138.6
90°	138.6
92.5°	138.6
95°	138.6
97.5°	138.6
100°	138.6
102.5°	138.6
105°	138.6
107.5°	138.6
110°	138.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	131.7
115°	131.7
117.5°	131.7
120°	124.8
122.5°	124.8
125°	117.8
127.5°	117.8
130°	110.9
132.5°	110.9
135°	104.0
137.5°	104.0
140°	97.0
142.5°	90.1
145°	90.1
147.5°	83.2
150°	76.2
152.5°	69.3
155°	62.4
157.5°	62.4
160°	55.5
162.5°	48.5
165°	41.6
167.5°	34.7
170°	27.7
172.5°	20.8
175°	6.9
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	8.1	9.1	9.0	10.1	11.2	8.1	9.1	9.0	10.1	11.2
	3H	11.2	12.1	12.1	13.1	14.3	11.2	12.1	12.1	13.1	14.3
	4H	12.7	13.6	13.6	14.5	15.7	12.7	13.6	13.6	14.5	15.7
	6H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	8H	14.8	15.6	15.7	16.6	17.8	14.8	15.6	15.7	16.6	17.8
	12H	15.4	16.2	16.4	17.2	18.4	15.4	16.2	16.4	17.2	18.4
4H	2H	8.9	9.8	9.8	10.7	12.0	8.9	9.8	9.8	10.7	12.0
	3H	12.2	13.0	13.1	13.9	15.1	12.2	13.0	13.1	13.9	15.1
	4H	13.8	14.5	14.7	15.5	16.7	13.8	14.5	14.7	15.5	16.7
	6H	15.4	16.0	16.3	17.0	18.3	15.4	16.0	16.3	17.0	18.3
	8H	16.2	16.8	17.1	17.8	19.0	16.2	16.8	17.1	17.8	19.0
	12H	16.9	17.5	17.9	18.5	19.7	16.9	17.5	17.9	18.5	19.7
8H	4H	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
	6H	16.1	16.6	17.1	17.7	18.9	16.1	16.6	17.1	17.7	18.9
	8H	17.0	17.5	18.0	18.5	19.8	17.0	17.5	18.0	18.5	19.8
	12H	18.0	18.4	18.9	19.4	20.7	18.0	18.4	18.9	19.4	20.7
12H	4H	14.4	15.0	15.4	16.0	17.3	14.4	15.0	15.4	16.0	17.3
	6H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1
	8H	17.3	17.7	18.3	18.7	20.0	17.3	17.7	18.3	18.7	20.0

(END OF REPORT)