

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: P1245050

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245050
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-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

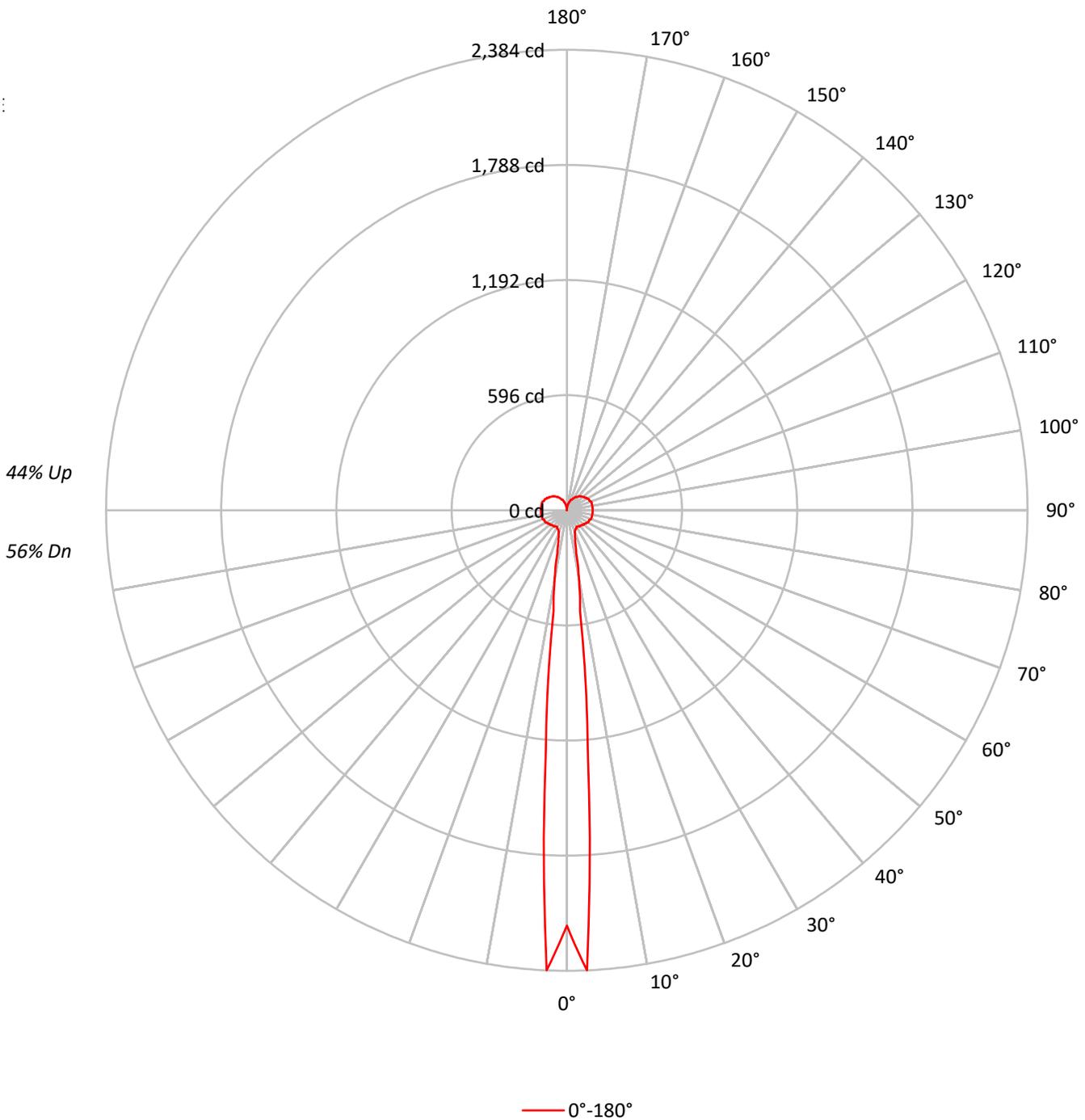
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1554.2 lumens
Efficiency: N/A
Efficacy: 40.1 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°	68024
5°	30801
10°	7334
15°	2907
20°	1843
25°	1472
30°	1263
35°	1172
40°	1174
45°	1115
50°	1136
55°	1165
60°	1200
65°	1181
70°	1232
75°	1231
80°	1240
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	5.9
10°-20°	51.8	3.3
20°-30°	50.4	3.2
30°-40°	64.6	4.2
40°-50°	84.8	5.5
50°-60°	106.5	6.8
60°-70°	126.8	8.2
70°-80°	141.3	9.1
80°-90°	145.8	9.4
90°-100°	145.8	9.4
100°-110°	141.3	9.1
110°-120°	126.0	8.1
120°-130°	103.4	6.7
130°-140°	79.0	5.1
140°-150°	53.2	3.4
150°-160°	29.2	1.9
160°-170°	11.7	0.8
170°-180°	1.4	0.1
0°-30°	193.3	12.4
0°-40°	257.9	16.6
0°-60°	449.1	28.9
0°-90°	863.1	55.5
90°-120°	413.1	26.6
90°-150°	648.7	41.7
90°-180°	691.0	44.5
0°-180°	1554.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2150	
5°	1249	91
15°	167	52
25°	107	50
35°	100	65
45°	107	85
55°	120	106
65°	127	127
75°	134	141
85°	134	109
90°	134	73
95°	134	109
105°	134	141
115°	127	126
125°	114	103
135°	100	79
145°	87	53
155°	60	29
165°	40	12
175°	7	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2150.2
2.5°	2383.9
5°	1248.7
7.5°	527.5
10°	360.6
12.5°	227.0
15°	166.9
17.5°	140.2
20°	120.2
22.5°	113.5
25°	106.8
27.5°	106.8
30°	100.2
32.5°	100.2
35°	100.2
37.5°	106.8
40°	106.8
42.5°	106.8
45°	106.8
47.5°	113.5
50°	113.5
52.5°	113.5
55°	120.2
57.5°	120.2
60°	126.9
62.5°	126.9
65°	126.9
67.5°	126.9
70°	133.6
72.5°	133.6
75°	133.6
77.5°	133.6
80°	133.6
82.5°	133.6
85°	133.6
87.5°	133.6
90°	133.6
92.5°	133.6
95°	133.6
97.5°	133.6
100°	133.6
102.5°	133.6
105°	133.6
107.5°	133.6
110°	133.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	126.9
115°	126.9
117.5°	126.9
120°	120.2
122.5°	120.2
125°	113.5
127.5°	113.5
130°	106.8
132.5°	106.8
135°	100.2
137.5°	100.2
140°	93.5
142.5°	86.8
145°	86.8
147.5°	80.1
150°	73.5
152.5°	66.8
155°	60.1
157.5°	60.1
160°	53.4
162.5°	46.7
165°	40.1
167.5°	33.4
170°	26.7
172.5°	20.0
175°	6.7
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	8.0	9.0	8.9	9.9	11.1	8.0	9.0	8.9	9.9	11.1
	3H	11.0	12.0	11.9	12.9	14.1	11.0	12.0	11.9	12.9	14.1
	4H	12.5	13.4	13.4	14.4	15.6	12.5	13.4	13.4	14.4	15.6
	6H	14.0	14.8	14.9	15.8	17.0	14.0	14.8	14.9	15.8	17.0
	8H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
	12H	15.3	16.1	16.3	17.1	18.3	15.3	16.1	16.3	17.1	18.3
4H	2H	8.8	9.7	9.7	10.6	11.8	8.8	9.7	9.7	10.6	11.8
	3H	12.0	12.8	13.0	13.8	15.0	12.0	12.8	13.0	13.8	15.0
	4H	13.7	14.4	14.6	15.4	16.6	13.7	14.4	14.6	15.4	16.6
	6H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	8H	16.0	16.6	17.0	17.6	18.9	16.0	16.6	17.0	17.6	18.9
	12H	16.8	17.4	17.8	18.4	19.6	16.8	17.4	17.8	18.4	19.6
8H	4H	14.2	14.8	15.1	15.8	17.0	14.2	14.8	15.1	15.8	17.0
	6H	16.0	16.5	16.9	17.5	18.8	16.0	16.5	16.9	17.5	18.8
	8H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
	12H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
12H	4H	14.3	14.9	15.3	15.9	17.1	14.3	14.9	15.3	15.9	17.1
	6H	16.2	16.6	17.1	17.6	18.9	16.2	16.6	17.1	17.6	18.9
	8H	17.2	17.6	18.1	18.6	19.9	17.2	17.6	18.1	18.6	19.9

(END OF REPORT)