

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: P1245320

Luminaire Tested: PRLX-UNA-L-930-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-930-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

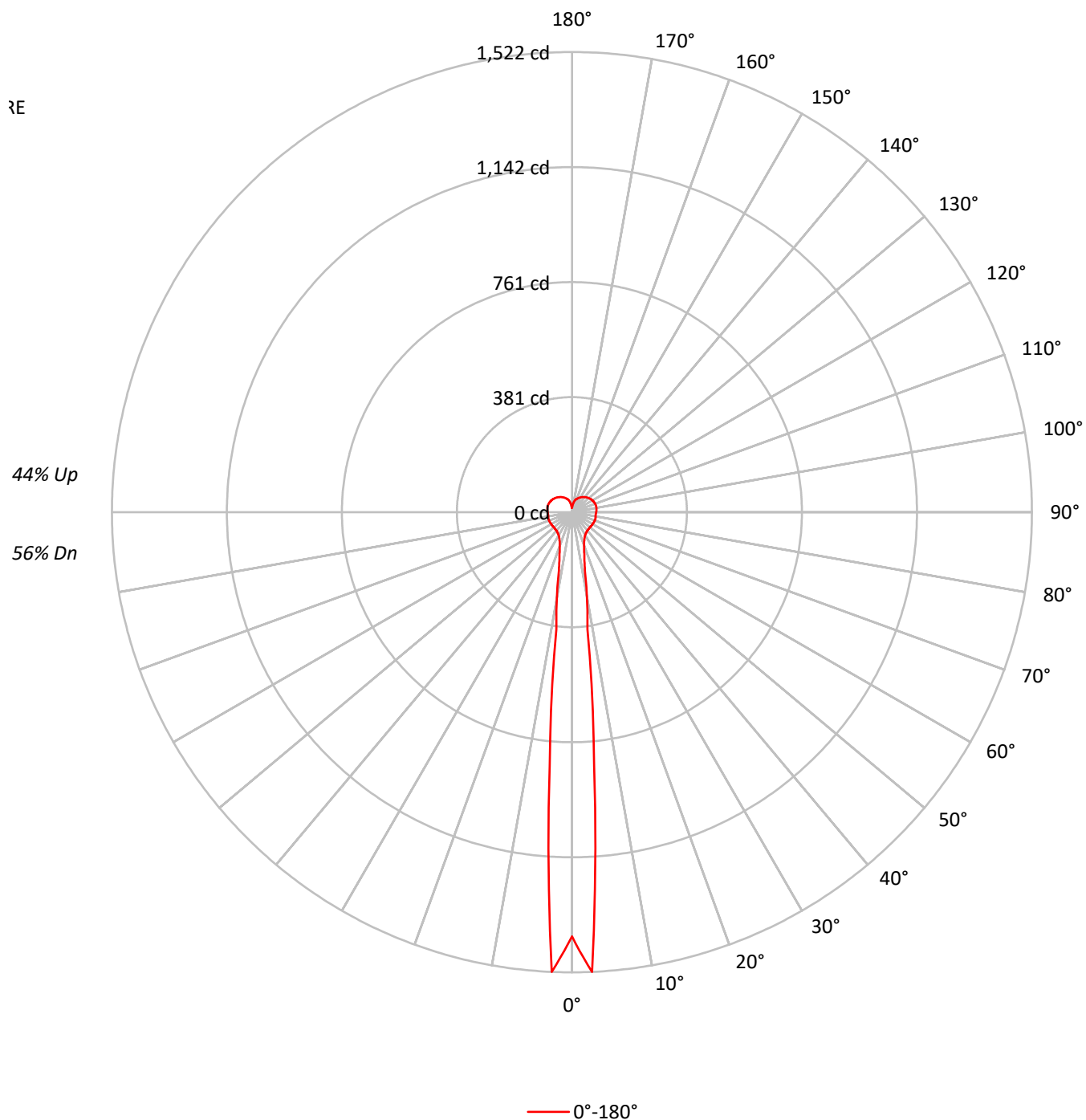
Lumens per Lamp: N/A
Luminaire Lumens: 1043.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56		
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40		
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32		
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27		
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23		
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20		
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18		
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17		
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15		
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14		
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44379
5°	20801
10°	5848
15°	2747
20°	1811
25°	1344
30°	1106
35°	966
40°	872
45°	818
50°	780
55°	760
60°	746
65°	742
70°	741
75°	744
80°	736
85°	747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	6.0
10°-20°	46.9	4.5
20°-30°	45.7	4.4
30°-40°	52.0	5.0
40°-50°	60.7	5.8
50°-60°	70.5	6.8
60°-70°	79.2	7.6
70°-80°	85.0	8.2
80°-90°	86.8	8.3
90°-100°	89.0	8.5
100°-110°	87.1	8.4
110°-120°	79.6	7.6
120°-130°	67.9	6.5
130°-140°	53.5	5.1
140°-150°	38.3	3.7
150°-160°	24.1	2.3
160°-170°	11.7	1.1
170°-180°	2.4	0.2
0°-30°	155.1	14.9
0°-40°	207.1	19.9
0°-60°	338.3	32.4
0°-90°	589.3	56.5
90°-120°	255.8	24.5
90°-150°	415.5	39.8
90°-180°	454.0	43.5
0°-180°	1043.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1403	
5°	843	63
15°	158	47
25°	98	46
35°	83	52
45°	78	61
55°	78	70
65°	80	79
75°	81	85
85°	79	65
90°	80	44
95°	82	67
105°	83	87
115°	80	80
125°	76	68
135°	69	54
145°	61	38
155°	52	24
165°	41	12
175°	22	2
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1402.8
2.5°	1522.2
5°	843.3
7.5°	391.1
10°	287.5
12.5°	197.9
15°	157.7
17.5°	134.4
20°	118.1
22.5°	105.9
25°	97.5
27.5°	91.9
30°	87.7
32.5°	84.9
35°	82.6
37.5°	80.7
40°	79.3
42.5°	78.9
45°	78.4
47.5°	77.9
50°	77.9
52.5°	78.4
55°	78.4
57.5°	78.9
60°	78.9
62.5°	79.3
65°	79.8
67.5°	80.3
70°	80.3
72.5°	80.7
75°	80.7
77.5°	80.3
80°	79.3
82.5°	79.3
85°	79.3
87.5°	79.8
90°	80.3
92.5°	81.2
95°	81.7
97.5°	82.1
100°	82.6
102.5°	82.6
105°	82.6
107.5°	82.1
110°	81.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.2
115°	80.3
117.5°	79.3
120°	78.4
122.5°	77.0
125°	75.6
127.5°	74.2
130°	72.8
132.5°	70.9
135°	69.1
137.5°	67.2
140°	64.9
142.5°	63.0
145°	60.7
147.5°	58.8
150°	56.5
152.5°	54.1
155°	51.8
157.5°	49.5
160°	46.7
162.5°	44.3
165°	41.1
167.5°	37.3
170°	32.7
172.5°	27.5
175°	21.5
177.5°	15.9
180°	14.0

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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	6.5	7.5	7.4	8.4	9.6	6.5	7.5	7.4	8.4	9.6
	3H	9.3	10.2	10.2	11.2	12.4	9.3	10.2	10.2	11.2	12.4
	4H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	6H	12.0	12.9	12.9	13.8	15.0	12.0	12.9	12.9	13.8	15.0
	8H	12.7	13.5	13.6	14.4	15.6	12.7	13.5	13.6	14.4	15.6
	12H	13.3	14.1	14.2	15.0	16.2	13.3	14.1	14.2	15.0	16.2
4H	2H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	3H	10.2	11.0	11.1	12.0	13.2	10.2	11.0	11.1	12.0	13.2
	4H	11.8	12.5	12.7	13.4	14.7	11.8	12.5	12.7	13.4	14.7
	6H	13.3	13.9	14.2	14.9	16.1	13.3	13.9	14.2	14.9	16.1
	8H	14.0	14.6	14.9	15.6	16.8	14.0	14.6	14.9	15.6	16.8
	12H	14.7	15.3	15.7	16.3	17.5	14.7	15.3	15.7	16.3	17.5
8H	4H	12.2	12.8	13.2	13.8	15.1	12.2	12.8	13.2	13.8	15.1
	6H	13.9	14.5	14.9	15.5	16.7	13.9	14.5	14.9	15.5	16.7
	8H	14.8	15.3	15.8	16.3	17.6	14.8	15.3	15.8	16.3	17.6
	12H	15.7	16.2	16.7	17.1	18.5	15.7	16.2	16.7	17.1	18.5
12H	4H	12.3	12.9	13.3	13.9	15.1	12.3	12.9	13.3	13.9	15.1
	6H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	8H	15.1	15.5	16.1	16.5	17.8	15.1	15.5	16.1	16.5	17.8

(END OF REPORT)