

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: P1245472

Luminaire Tested: PRLX-UNA-S-930-12L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-930-12L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

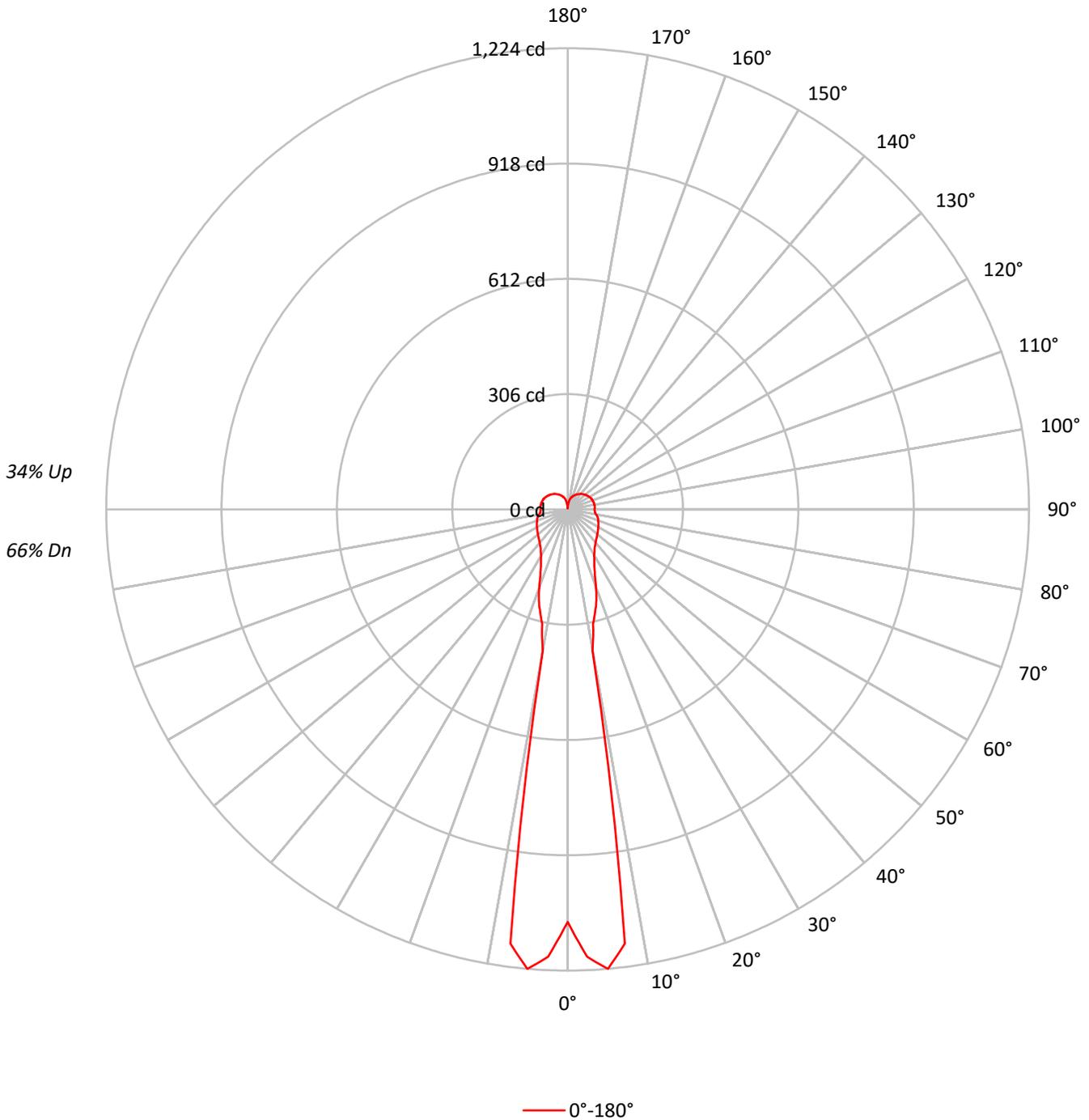
Lumens per Lamp: N/A
Luminaire Lumens: 1145.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71	68	65	63	59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58	59	55	52	52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49	53	48	44	46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43	48	43	39	42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38	44	38	34	38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34	40	35	31	36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31	37	32	28	33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53617
5°	49753
10°	13327
15°	8692
20°	6113
25°	4270
30°	3327
35°	2784
40°	2444
45°	2209
50°	2026
55°	1885
60°	1784
65°	1697
70°	1624
75°	1564
80°	1477
85°	1435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2209 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	8.4
10°-20°	79.2	6.9
20°-30°	78.7	6.9
30°-40°	79.0	6.9
40°-50°	83.9	7.3
50°-60°	87.9	7.7
60°-70°	89.3	7.8
70°-80°	87.0	7.6
80°-90°	79.6	7.0
90°-100°	78.7	6.9
100°-110°	75.4	6.6
110°-120°	68.2	6.0
120°-130°	57.1	5.0
130°-140°	44.3	3.9
140°-150°	31.1	2.7
150°-160°	19.0	1.7
160°-170°	8.8	0.8
170°-180°	1.4	0.1
0°-30°	254.2	22.2
0°-40°	333.2	29.1
0°-60°	505.0	44.1
0°-90°	760.9	66.5
90°-120°	222.2	19.4
90°-150°	354.8	31.0
90°-180°	384.0	33.5
0°-180°	1145.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1094	
5°	1224	96
15°	282	79
25°	167	79
35°	125	79
45°	108	84
55°	98	88
65°	90	89
75°	82	87
85°	73	60
90°	72	39
95°	73	59
105°	72	75
115°	69	68
125°	64	57
135°	57	44
145°	49	31
155°	41	19
165°	31	9
175°	12	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1094.5
2.5°	1188.4
5°	1224.2
7.5°	1162.3
10°	381.3
12.5°	311.6
15°	281.6
17.5°	253.6
20°	219.7
22.5°	188.7
25°	167.4
27.5°	152.9
30°	140.3
32.5°	132.6
35°	124.8
37.5°	120.0
40°	115.2
42.5°	111.3
45°	108.4
47.5°	105.5
50°	102.6
52.5°	100.6
55°	97.7
57.5°	95.8
60°	93.9
62.5°	91.9
65°	90.0
67.5°	88.1
70°	86.1
72.5°	85.2
75°	82.3
77.5°	80.3
80°	76.5
82.5°	73.6
85°	72.6
87.5°	71.6
90°	71.6
92.5°	71.6
95°	72.6
97.5°	72.6
100°	71.6
102.5°	71.6
105°	71.6
107.5°	70.6
110°	70.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	69.7
115°	68.7
117.5°	67.7
120°	66.8
122.5°	64.8
125°	63.9
127.5°	61.9
130°	61.0
132.5°	59.0
135°	57.1
137.5°	55.2
140°	53.2
142.5°	51.3
145°	49.4
147.5°	47.4
150°	45.5
152.5°	43.5
155°	40.6
157.5°	38.7
160°	35.8
162.5°	33.9
165°	31.0
167.5°	27.1
170°	22.3
172.5°	17.4
175°	11.6
177.5°	5.8
180°	2.9



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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	10.2	11.3	11.0	12.1	13.1	10.2	11.3	11.0	12.1	13.1
	3H	12.7	13.7	13.5	14.5	15.5	12.7	13.7	13.5	14.5	15.5
	4H	13.8	14.8	14.7	15.6	16.7	13.8	14.8	14.7	15.6	16.7
	6H	15.0	15.8	15.8	16.7	17.7	15.0	15.8	15.8	16.7	17.7
	8H	15.5	16.3	16.3	17.2	18.2	15.5	16.3	16.3	17.2	18.2
	12H	16.0	16.8	16.8	17.6	18.7	16.0	16.8	16.8	17.6	18.7
4H	2H	10.9	11.8	11.7	12.6	13.7	10.9	11.8	11.7	12.6	13.7
	3H	13.5	14.3	14.4	15.2	16.3	13.5	14.3	14.4	15.2	16.3
	4H	14.8	15.6	15.7	16.5	17.5	14.8	15.6	15.7	16.5	17.5
	6H	16.1	16.8	17.0	17.7	18.8	16.1	16.8	17.0	17.7	18.8
	8H	16.7	17.3	17.6	18.2	19.3	16.7	17.3	17.6	18.2	19.3
	12H	17.3	17.9	18.2	18.8	19.9	17.3	17.9	18.2	18.8	19.9
8H	4H	15.3	15.9	16.1	16.8	17.9	15.3	15.9	16.1	16.8	17.9
	6H	16.7	17.3	17.6	18.2	19.3	16.7	17.3	17.6	18.2	19.3
	8H	17.5	17.9	18.4	18.9	20.0	17.5	17.9	18.4	18.9	20.0
	12H	18.2	18.7	19.1	19.6	20.7	18.2	18.7	19.1	19.6	20.7
12H	4H	15.3	15.9	16.2	16.8	17.9	15.3	15.9	16.2	16.8	17.9
	6H	16.9	17.4	17.8	18.3	19.4	16.9	17.4	17.8	18.3	19.4
	8H	17.7	18.1	18.6	19.0	20.2	17.7	18.1	18.6	19.0	20.2

(END OF REPORT)