

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: P1245468

Luminaire Tested: PRLX-UNA-S-930-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245468
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-930-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

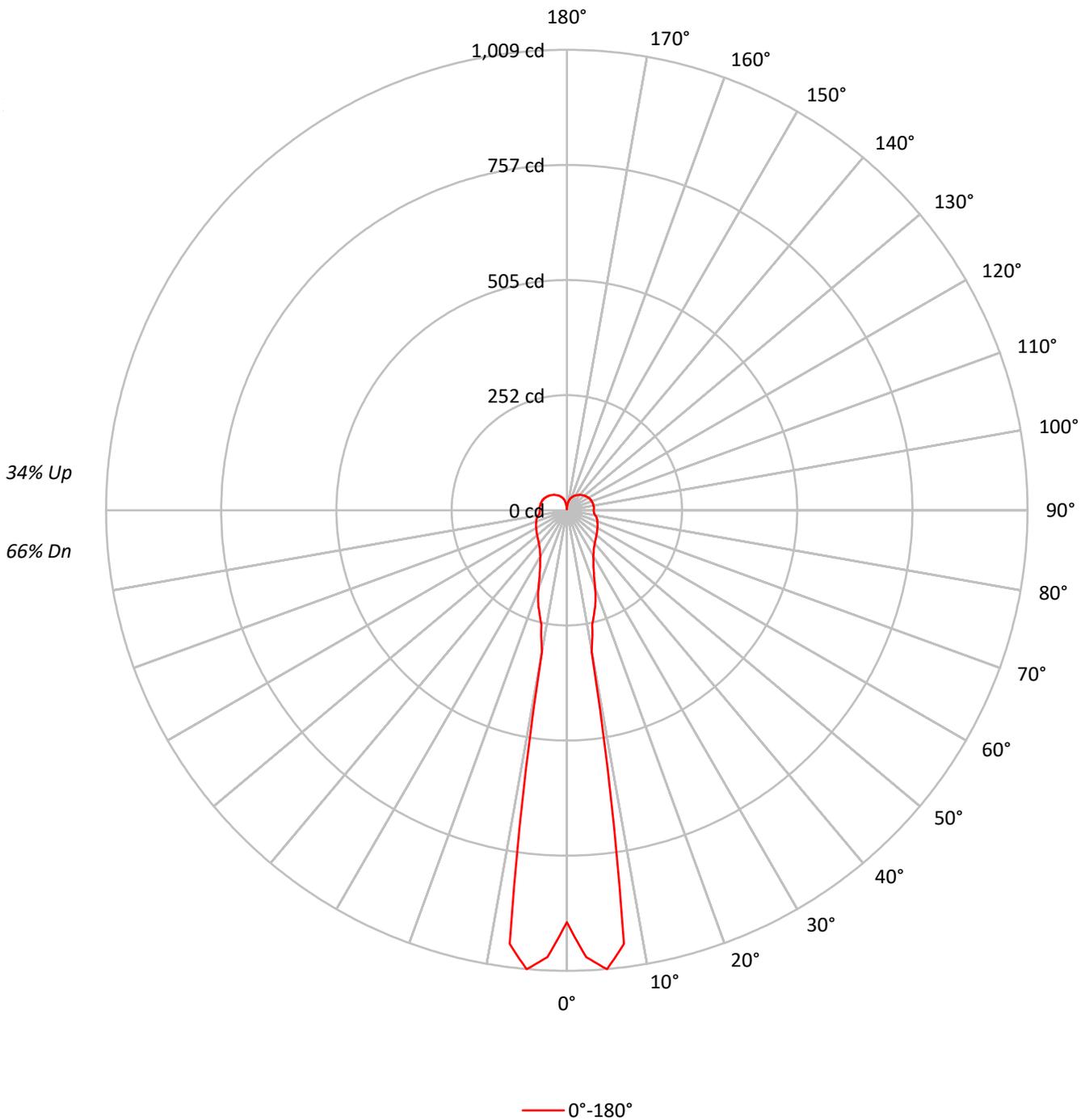
Lumens per Lamp: N/A
Luminaire Lumens: 943.9 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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	31	26	34	28	24		31	26	23		28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44207
5°	41019
10°	10989
15°	7167
20°	5039
25°	3520
30°	2743
35°	2296
40°	2014
45°	1822
50°	1670
55°	1555
60°	1471
65°	1399
70°	1339
75°	1289
80°	1216
85°	1182

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	8.4
10°-20°	65.3	6.9
20°-30°	64.9	6.9
30°-40°	65.1	6.9
40°-50°	69.2	7.3
50°-60°	72.5	7.7
60°-70°	73.6	7.8
70°-80°	71.7	7.6
80°-90°	65.6	6.9
90°-100°	64.8	6.9
100°-110°	62.1	6.6
110°-120°	56.2	6.0
120°-130°	47.1	5.0
130°-140°	36.5	3.9
140°-150°	25.6	2.7
150°-160°	15.7	1.7
160°-170°	7.2	0.8
170°-180°	1.2	0.1
0°-30°	209.6	22.2
0°-40°	274.7	29.1
0°-60°	416.4	44.1
0°-90°	627.3	66.5
90°-120°	183.2	19.4
90°-150°	292.5	31.0
90°-180°	317.0	33.6
0°-180°	943.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	902	
5°	1009	79
15°	232	65
25°	138	65
35°	103	65
45°	89	69
55°	81	73
65°	74	74
75°	68	72
85°	60	49
90°	59	32
95°	60	49
105°	59	62
115°	57	56
125°	53	47
135°	47	37
145°	41	26
155°	34	16
165°	26	7
175°	10	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	902.4
2.5°	979.8
5°	1009.3
7.5°	958.3
10°	314.4
12.5°	256.9
15°	232.2
17.5°	209.0
20°	181.1
22.5°	155.6
25°	138.0
27.5°	126.1
30°	115.7
32.5°	109.3
35°	102.9
37.5°	98.9
40°	94.9
42.5°	91.8
45°	89.4
47.5°	87.0
50°	84.6
52.5°	83.0
55°	80.6
57.5°	79.0
60°	77.4
62.5°	75.8
65°	74.2
67.5°	72.6
70°	71.0
72.5°	70.2
75°	67.8
77.5°	66.2
80°	63.0
82.5°	60.6
85°	59.8
87.5°	59.0
90°	59.0
92.5°	59.0
95°	59.8
97.5°	59.8
100°	59.0
102.5°	59.0
105°	59.0
107.5°	58.2
110°	58.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.4
115°	56.6
117.5°	55.9
120°	55.1
122.5°	53.5
125°	52.7
127.5°	51.1
130°	50.3
132.5°	48.7
135°	47.1
137.5°	45.5
140°	43.9
142.5°	42.3
145°	40.7
147.5°	39.1
150°	37.5
152.5°	35.9
155°	33.5
157.5°	31.9
160°	29.5
162.5°	27.9
165°	25.5
167.5°	22.3
170°	18.4
172.5°	14.4
175°	9.6
177.5°	4.8
180°	2.4



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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	9.6	10.6	10.4	11.5	12.5	9.6	10.6	10.4	11.5	12.5
	3H	12.0	13.0	12.8	13.8	14.9	12.0	13.0	12.8	13.8	14.9
	4H	13.2	14.1	14.0	15.0	16.0	13.2	14.1	14.0	15.0	16.0
	6H	14.3	15.2	15.1	16.0	17.1	14.3	15.2	15.1	16.0	17.1
	8H	14.8	15.6	15.6	16.5	17.6	14.8	15.6	15.6	16.5	17.6
	12H	15.3	16.1	16.1	16.9	18.0	15.3	16.1	16.1	16.9	18.0
4H	2H	10.2	11.1	11.0	12.0	13.0	10.2	11.1	11.0	12.0	13.0
	3H	12.9	13.7	13.7	14.5	15.6	12.9	13.7	13.7	14.5	15.6
	4H	14.2	14.9	15.0	15.8	16.9	14.2	14.9	15.0	15.8	16.9
	6H	15.4	16.1	16.3	17.0	18.1	15.4	16.1	16.3	17.0	18.1
	8H	16.0	16.7	16.9	17.6	18.7	16.0	16.7	16.9	17.6	18.7
	12H	16.6	17.2	17.5	18.1	19.2	16.6	17.2	17.5	18.1	19.2
8H	4H	14.6	15.2	15.5	16.1	17.2	14.6	15.2	15.5	16.1	17.2
	6H	16.1	16.6	16.9	17.5	18.6	16.1	16.6	16.9	17.5	18.6
	8H	16.8	17.3	17.7	18.2	19.3	16.8	17.3	17.7	18.2	19.3
	12H	17.6	18.0	18.5	18.9	20.1	17.6	18.0	18.5	18.9	20.1
12H	4H	14.7	15.2	15.6	16.1	17.3	14.7	15.2	15.6	16.1	17.3
	6H	16.2	16.7	17.1	17.6	18.7	16.2	16.7	17.1	17.6	18.7
	8H	17.0	17.4	17.9	18.3	19.5	17.0	17.4	17.9	18.3	19.5

(END OF REPORT)