

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: P1245482

Luminaire Tested: PRLX-UNA-S-935-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245482
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-935-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

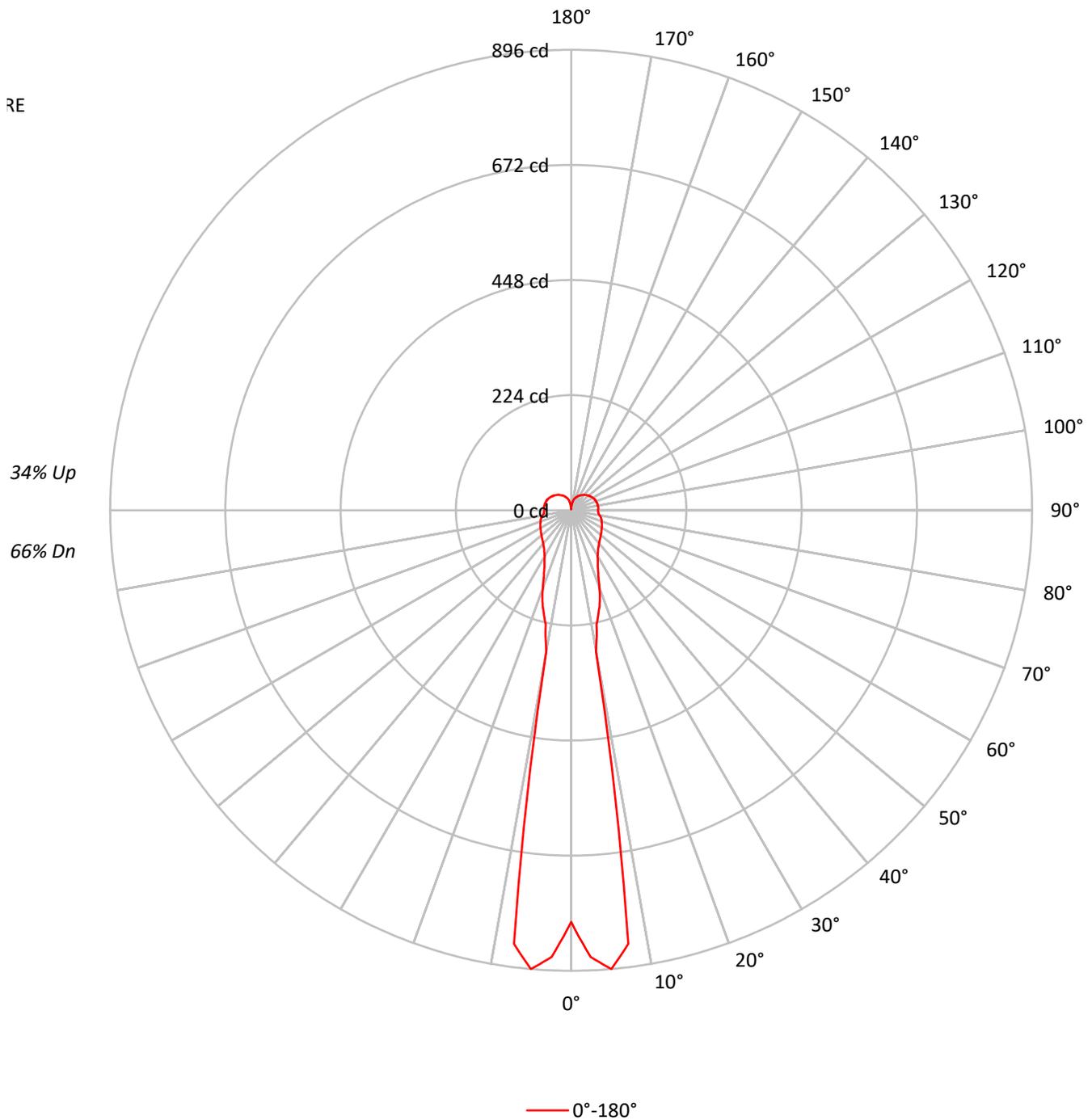
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 838.0 lumens
Efficiency: N/A
Efficacy: 39.3 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°	39244
5°	36415
10°	9755
15°	6362
20°	4474
25°	3125
30°	2435
35°	2039
40°	1789
45°	1616
50°	1483
55°	1379
60°	1305
65°	1243
70°	1188
75°	1144
80°	1081
85°	1050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1616 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	8.4
10°-20°	58.0	6.9
20°-30°	57.6	6.9
30°-40°	57.8	6.9
40°-50°	61.4	7.3
50°-60°	64.4	7.7
60°-70°	65.4	7.8
70°-80°	63.7	7.6
80°-90°	58.2	6.9
90°-100°	57.6	6.9
100°-110°	55.2	6.6
110°-120°	49.9	6.0
120°-130°	41.8	5.0
130°-140°	32.4	3.9
140°-150°	22.8	2.7
150°-160°	13.9	1.7
160°-170°	6.4	0.8
170°-180°	1.1	0.1
0°-30°	186.0	22.2
0°-40°	243.9	29.1
0°-60°	369.6	44.1
0°-90°	556.9	66.5
90°-120°	162.7	19.4
90°-150°	259.7	31.0
90°-180°	281.0	33.5
0°-180°	838.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	801	
5°	896	70
15°	206	58
25°	122	58
35°	91	58
45°	79	61
55°	72	64
65°	66	65
75°	60	64
85°	53	44
90°	52	29
95°	53	43
105°	52	55
115°	50	50
125°	47	42
135°	42	32
145°	36	23
155°	30	14
165°	23	6
175°	8	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	801.1
2.5°	869.8
5°	896.0
7.5°	850.7
10°	279.1
12.5°	228.1
15°	206.1
17.5°	185.6
20°	160.8
22.5°	138.1
25°	122.5
27.5°	111.9
30°	102.7
32.5°	97.0
35°	91.4
37.5°	87.8
40°	84.3
42.5°	81.5
45°	79.3
47.5°	77.2
50°	75.1
52.5°	73.7
55°	71.5
57.5°	70.1
60°	68.7
62.5°	67.3
65°	65.9
67.5°	64.5
70°	63.0
72.5°	62.3
75°	60.2
77.5°	58.8
80°	56.0
82.5°	53.8
85°	53.1
87.5°	52.4
90°	52.4
92.5°	52.4
95°	53.1
97.5°	53.1
100°	52.4
102.5°	52.4
105°	52.4
107.5°	51.7
110°	51.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.0
115°	50.3
117.5°	49.6
120°	48.9
122.5°	47.5
125°	46.7
127.5°	45.3
130°	44.6
132.5°	43.2
135°	41.8
137.5°	40.4
140°	39.0
142.5°	37.5
145°	36.1
147.5°	34.7
150°	33.3
152.5°	31.9
155°	29.7
157.5°	28.3
160°	26.2
162.5°	24.8
165°	22.7
167.5°	19.8
170°	16.3
172.5°	12.7
175°	8.5
177.5°	4.2
180°	2.1



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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	9.1	10.2	9.9	11.0	12.1	9.1	10.2	9.9	11.0	12.1
	3H	11.6	12.6	12.4	13.4	14.4	11.6	12.6	12.4	13.4	14.4
	4H	12.8	13.7	13.6	14.5	15.6	12.8	13.7	13.6	14.5	15.6
	6H	13.9	14.8	14.7	15.6	16.7	13.9	14.8	14.7	15.6	16.7
	8H	14.4	15.2	15.2	16.1	17.1	14.4	15.2	15.2	16.1	17.1
	12H	14.9	15.7	15.7	16.5	17.6	14.9	15.7	15.7	16.5	17.6
4H	2H	9.8	10.7	10.6	11.5	12.6	9.8	10.7	10.6	11.5	12.6
	3H	12.4	13.2	13.3	14.1	15.2	12.4	13.2	13.3	14.1	15.2
	4H	13.8	14.5	14.6	15.4	16.5	13.8	14.5	14.6	15.4	16.5
	6H	15.0	15.7	15.9	16.6	17.7	15.0	15.7	15.9	16.6	17.7
	8H	15.6	16.3	16.5	17.1	18.2	15.6	16.3	16.5	17.1	18.2
	12H	16.2	16.8	17.1	17.7	18.8	16.2	16.8	17.1	17.7	18.8
8H	4H	14.2	14.8	15.0	15.7	16.8	14.2	14.8	15.0	15.7	16.8
	6H	15.6	16.2	16.5	17.1	18.2	15.6	16.2	16.5	17.1	18.2
	8H	16.4	16.9	17.3	17.8	18.9	16.4	16.9	17.3	17.8	18.9
	12H	17.1	17.6	18.0	18.5	19.7	17.1	17.6	18.0	18.5	19.7
12H	4H	14.3	14.8	15.1	15.7	16.8	14.3	14.8	15.1	15.7	16.8
	6H	15.8	16.3	16.7	17.2	18.3	15.8	16.3	16.7	17.2	18.3
	8H	16.6	17.0	17.5	17.9	19.1	16.6	17.0	17.5	17.9	19.1

(END OF REPORT)