

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: P1245072

Luminaire Tested: PRLX-NIM-L-935-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245072
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-935-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

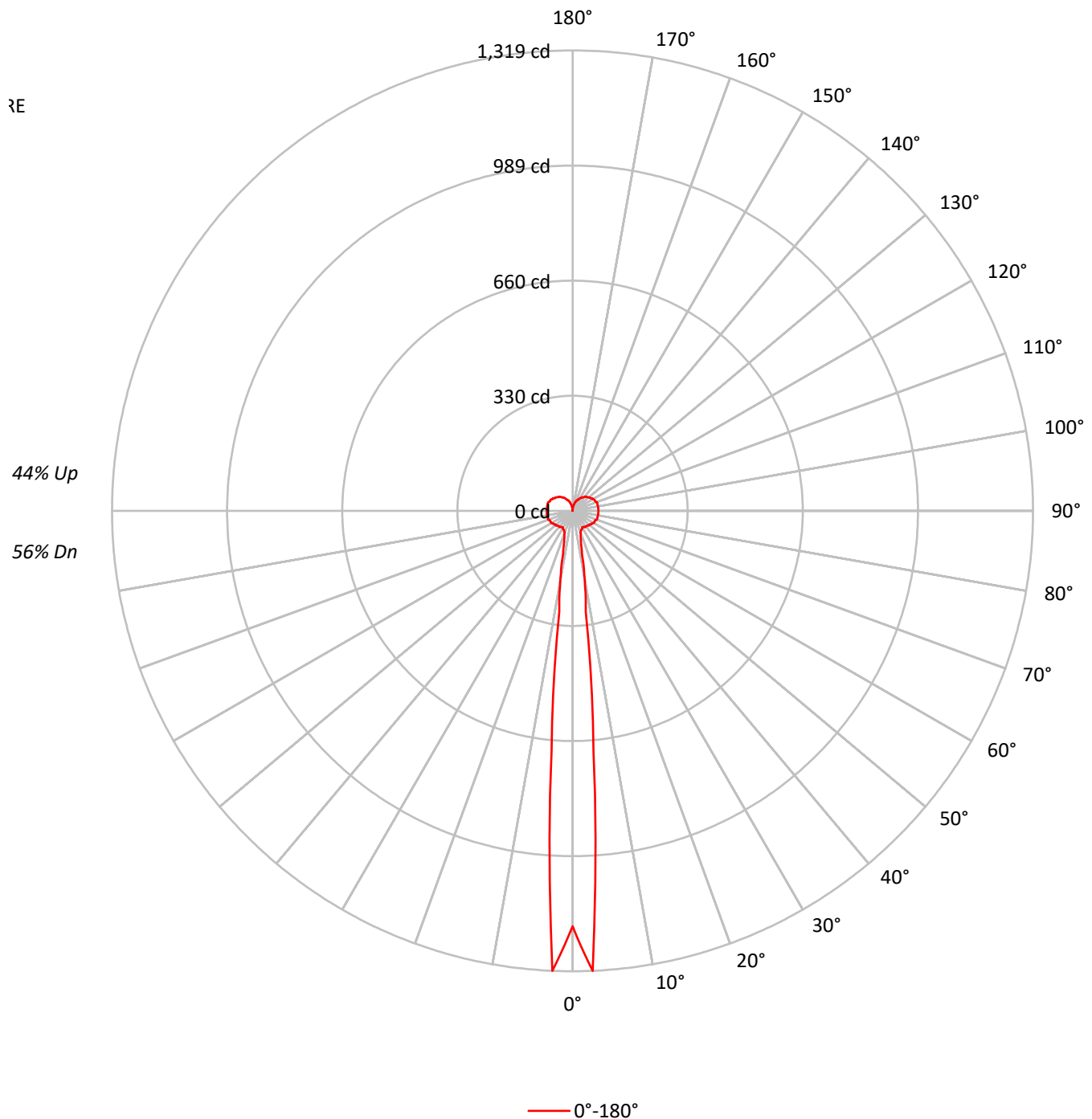
Lumens per Lamp: N/A
Luminaire Lumens: 859.8 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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				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°	37647
5°	17047
10°	4060
15°	1609
20°	1020
25°	815
30°	699
35°	648
40°	650
45°	617
50°	629
55°	644
60°	664
65°	653
70°	682
75°	681
80°	686
85°	696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	5.9
10°-20°	28.7	3.3
20°-30°	27.9	3.2
30°-40°	35.7	4.2
40°-50°	46.9	5.5
50°-60°	58.9	6.8
60°-70°	70.2	8.2
70°-80°	78.2	9.1
80°-90°	80.6	9.4
90°-100°	80.6	9.4
100°-110°	78.2	9.1
110°-120°	69.7	8.1
120°-130°	57.2	6.7
130°-140°	43.7	5.1
140°-150°	29.4	3.4
150°-160°	16.2	1.9
160°-170°	6.5	0.8
170°-180°	0.8	0.1
0°-30°	107.0	12.4
0°-40°	142.7	16.6
0°-60°	248.5	28.9
0°-90°	477.5	55.5
90°-120°	228.5	26.6
90°-150°	358.9	41.7
90°-180°	382.0	44.4
0°-180°	859.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1190	
5°	691	50
15°	92	29
25°	59	28
35°	55	36
45°	59	47
55°	66	59
65°	70	70
75°	74	78
85°	74	60
90°	74	41
95°	74	60
105°	74	78
115°	70	70
125°	63	57
135°	55	44
145°	48	29
155°	33	16
165°	22	7
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1190.0
2.5°	1319.3
5°	691.1
7.5°	291.9
10°	199.6
12.5°	125.6
15°	92.4
17.5°	77.6
20°	66.5
22.5°	62.8
25°	59.1
27.5°	59.1
30°	55.4
32.5°	55.4
35°	55.4
37.5°	59.1
40°	59.1
42.5°	59.1
45°	59.1
47.5°	62.8
50°	62.8
52.5°	62.8
55°	66.5
57.5°	66.5
60°	70.2
62.5°	70.2
65°	70.2
67.5°	70.2
70°	73.9
72.5°	73.9
75°	73.9
77.5°	73.9
80°	73.9
82.5°	73.9
85°	73.9
87.5°	73.9
90°	73.9
92.5°	73.9
95°	73.9
97.5°	73.9
100°	73.9
102.5°	73.9
105°	73.9
107.5°	73.9
110°	73.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	70.2
115°	70.2
117.5°	70.2
120°	66.5
122.5°	66.5
125°	62.8
127.5°	62.8
130°	59.1
132.5°	59.1
135°	55.4
137.5°	55.4
140°	51.7
142.5°	48.0
145°	48.0
147.5°	44.3
150°	40.7
152.5°	37.0
155°	33.3
157.5°	33.3
160°	29.6
162.5°	25.9
165°	22.2
167.5°	18.5
170°	14.8
172.5°	11.1
175°	3.7
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	5.9	7.0	6.8	7.9	9.1	5.9	7.0	6.8	7.9	9.1
	3H	9.0	9.9	9.9	10.9	12.1	9.0	9.9	9.9	10.9	12.1
	4H	10.5	11.4	11.4	12.3	13.5	10.5	11.4	11.4	12.3	13.5
	6H	11.9	12.8	12.8	13.7	14.9	11.9	12.8	12.8	13.7	14.9
	8H	12.6	13.4	13.5	14.4	15.6	12.6	13.4	13.5	14.4	15.6
	12H	13.3	14.0	14.2	15.0	16.2	13.3	14.0	14.2	15.0	16.2
4H	2H	6.7	7.6	7.6	8.6	9.8	6.7	7.6	7.6	8.6	9.8
	3H	10.0	10.8	10.9	11.7	13.0	10.0	10.8	10.9	11.7	13.0
	4H	11.6	12.3	12.5	13.3	14.5	11.6	12.3	12.5	13.3	14.5
	6H	13.2	13.9	14.1	14.8	16.1	13.2	13.9	14.1	14.8	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	17.6	14.7	15.3	15.7	16.3	17.6
8H	4H	12.1	12.7	13.1	13.7	15.0	12.1	12.7	13.1	13.7	15.0
	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	15.8	16.2	16.8	17.2	18.5	15.8	16.2	16.8	17.2	18.5
12H	4H	12.2	12.8	13.2	13.8	15.1	12.2	12.8	13.2	13.8	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)