

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: P1245174

Luminaire Tested: PRLX-NIM-M-935-03L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-935-03L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

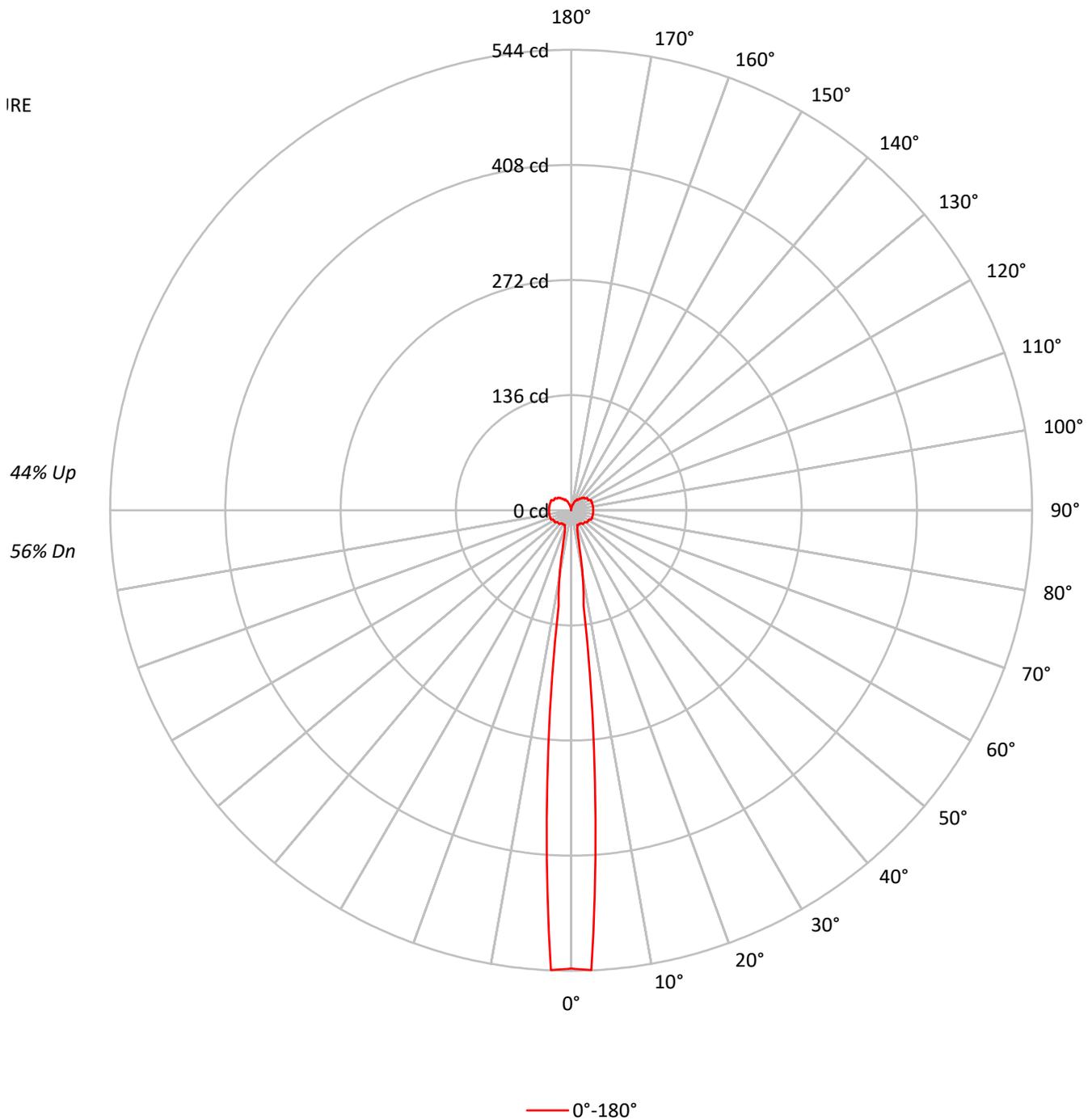
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 307.8 lumens
Efficiency: N/A
Efficacy: 27.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	88	82	77	73	70	66	63	58	55	53	48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50	50	46	42	40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41	43	39	35	35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30	35	30	26	29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27	32	27	23	27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24	30	25	21	25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19	24	20	17	21	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27740
5°	12161
10°	2348
15°	773
20°	463
25°	364
30°	329
35°	303
40°	317
45°	299
50°	285
55°	304
60°	295
65°	317
70°	313
75°	311
80°	312
85°	314

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	7.0
10°-20°	9.9	3.2
20°-30°	8.9	2.9
30°-40°	12.1	3.9
40°-50°	16.6	5.4
50°-60°	21.0	6.8
60°-70°	25.0	8.1
70°-80°	27.6	9.0
80°-90°	28.5	9.3
90°-100°	28.5	9.3
100°-110°	27.6	9.0
110°-120°	25.6	8.3
120°-130°	21.0	6.8
130°-140°	15.9	5.2
140°-150°	10.1	3.3
150°-160°	5.8	1.9
160°-170°	1.9	0.6
170°-180°	0.2	0.1
0°-30°	40.3	13.1
0°-40°	52.5	17.0
0°-60°	90.0	29.3
0°-90°	171.2	55.6
90°-120°	81.7	26.5
90°-150°	128.7	41.8
90°-180°	137.0	44.5
0°-180°	307.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	541	
5°	323	22
15°	31	10
25°	19	9
35°	19	12
45°	21	17
55°	24	21
65°	26	25
75°	26	28
85°	26	21
90°	26	14
95°	26	21
105°	26	28
115°	26	26
125°	24	21
135°	21	16
145°	17	10
155°	12	6
165°	7	2
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	541.3
2.5°	543.7
5°	322.9
7.5°	114.0
10°	78.4
12.5°	45.1
15°	30.9
17.5°	23.7
20°	21.4
22.5°	19.0
25°	19.0
27.5°	19.0
30°	19.0
32.5°	19.0
35°	19.0
37.5°	19.0
40°	21.4
42.5°	21.4
45°	21.4
47.5°	21.4
50°	21.4
52.5°	23.7
55°	23.7
57.5°	23.7
60°	23.7
62.5°	23.7
65°	26.1
67.5°	26.1
70°	26.1
72.5°	26.1
75°	26.1
77.5°	26.1
80°	26.1
82.5°	26.1
85°	26.1
87.5°	26.1
90°	26.1
92.5°	26.1
95°	26.1
97.5°	26.1
100°	26.1
102.5°	26.1
105°	26.1
107.5°	26.1
110°	26.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	26.1
115°	26.1
117.5°	26.1
120°	23.7
122.5°	23.7
125°	23.7
127.5°	23.7
130°	21.4
132.5°	21.4
135°	21.4
137.5°	19.0
140°	19.0
142.5°	16.6
145°	16.6
147.5°	14.2
150°	14.2
152.5°	14.2
155°	11.9
157.5°	11.9
160°	9.5
162.5°	7.1
165°	7.1
167.5°	4.7
170°	4.7
172.5°	2.4
175°	0.0
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	3.2	4.3	4.1	5.2	6.4	3.2	4.3	4.1	5.2	6.4
	3H	6.4	7.3	7.3	8.3	9.5	6.4	7.3	7.3	8.3	9.5
	4H	7.8	8.7	8.7	9.7	10.9	7.8	8.7	8.7	9.7	10.9
	6H	9.2	10.1	10.1	11.0	12.2	9.2	10.1	10.1	11.0	12.2
	8H	9.9	10.7	10.8	11.6	12.9	9.9	10.7	10.8	11.6	12.9
	12H	10.5	11.3	11.5	12.3	13.5	10.5	11.3	11.5	12.3	13.5
4H	2H	4.1	5.0	5.0	5.9	7.1	4.1	5.0	5.0	5.9	7.1
	3H	7.4	8.1	8.3	9.1	10.3	7.4	8.1	8.3	9.1	10.3
	4H	8.9	9.7	9.9	10.6	11.9	8.9	9.7	9.9	10.6	11.9
	6H	10.5	11.1	11.4	12.1	13.4	10.5	11.1	11.4	12.1	13.4
	8H	11.2	11.9	12.2	12.8	14.1	11.2	11.9	12.2	12.8	14.1
	12H	12.0	12.6	12.9	13.5	14.8	12.0	12.6	12.9	13.5	14.8
8H	4H	9.4	10.0	10.4	11.0	12.3	9.4	10.0	10.4	11.0	12.3
	6H	11.2	11.7	12.2	12.7	14.0	11.2	11.7	12.2	12.7	14.0
	8H	12.1	12.6	13.1	13.6	14.8	12.1	12.6	13.1	13.6	14.8
	12H	13.0	13.4	14.0	14.4	15.8	13.0	13.4	14.0	14.4	15.8
12H	4H	9.5	10.1	10.5	11.1	12.4	9.5	10.1	10.5	11.1	12.4
	6H	11.4	11.8	12.3	12.8	14.1	11.4	11.8	12.3	12.8	14.1
	8H	12.3	12.8	13.3	13.8	15.1	12.3	12.8	13.3	13.8	15.1

(END OF REPORT)