

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: P1245162

Luminaire Tested: PRLX-NIM-M-930-06L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245162
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-930-06L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

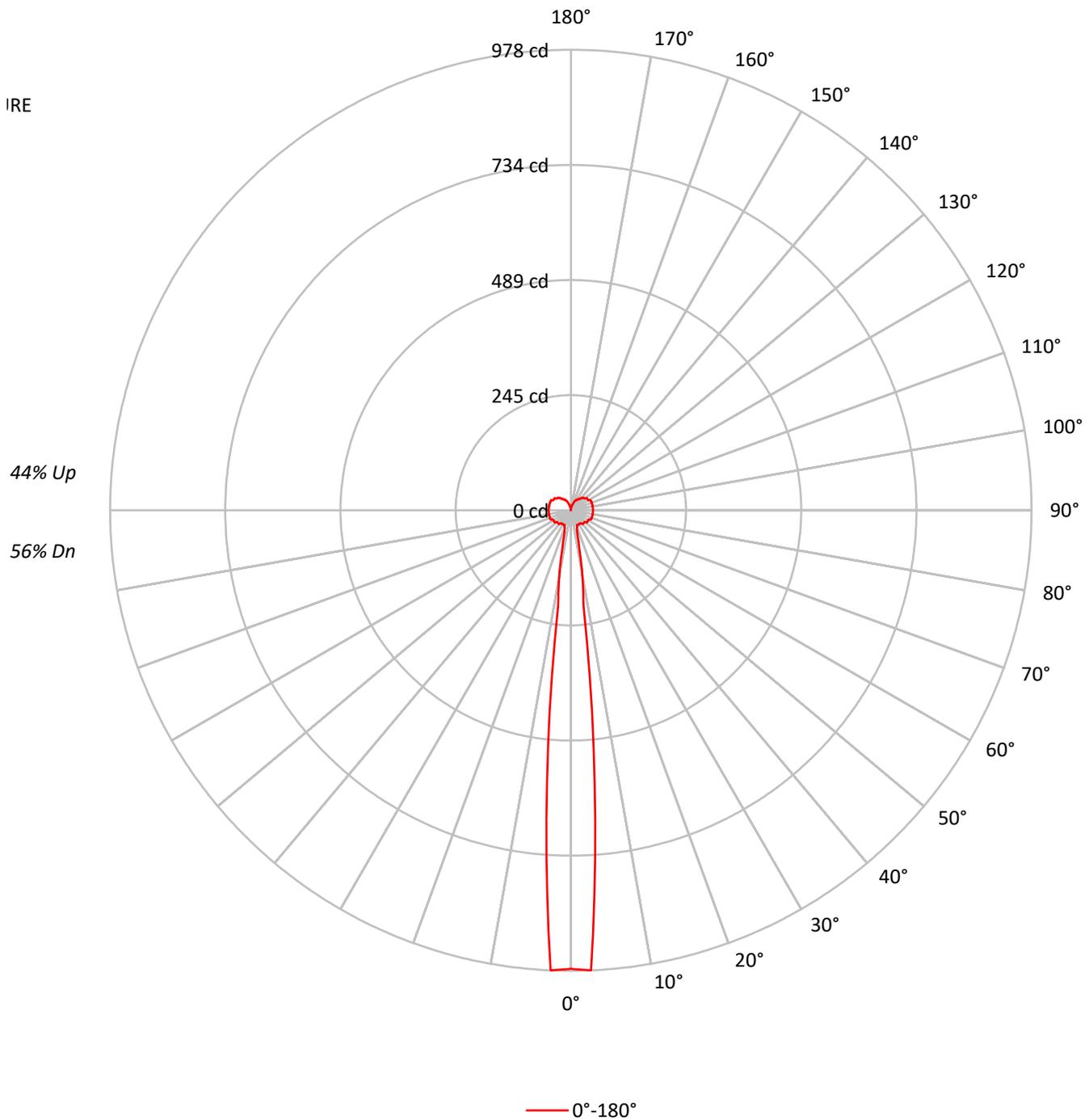
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 554.1 lumens
Efficiency: N/A
Efficacy: 26.0 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): 21.3
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	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°	49899
5°	21874
10°	4220
15°	1389
20°	830
25°	655
30°	593
35°	545
40°	570
45°	537
50°	512
55°	547
60°	531
65°	572
70°	564
75°	560
80°	561
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	7.0
10°-20°	17.7	3.2
20°-30°	16.0	2.9
30°-40°	21.8	3.9
40°-50°	29.7	5.4
50°-60°	37.8	6.8
60°-70°	45.1	8.1
70°-80°	49.7	9.0
80°-90°	51.3	9.3
90°-100°	51.3	9.3
100°-110°	49.7	9.0
110°-120°	46.1	8.3
120°-130°	37.8	6.8
130°-140°	28.6	5.2
140°-150°	18.2	3.3
150°-160°	10.5	1.9
160°-170°	3.4	0.6
170°-180°	0.3	0.1
0°-30°	72.5	13.1
0°-40°	94.4	17.0
0°-60°	161.9	29.2
0°-90°	308.0	55.6
90°-120°	147.1	26.6
90°-150°	231.8	41.8
90°-180°	246.0	44.4
0°-180°	554.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	974	
5°	581	39
15°	56	18
25°	34	16
35°	34	22
45°	38	30
55°	43	38
65°	47	45
75°	47	50
85°	47	38
90°	47	26
95°	47	38
105°	47	50
115°	47	46
125°	43	38
135°	38	29
145°	30	18
155°	21	11
165°	13	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	973.7
2.5°	978.0
5°	580.8
7.5°	205.0
10°	140.9
12.5°	81.1
15°	55.5
17.5°	42.7
20°	38.4
22.5°	34.2
25°	34.2
27.5°	34.2
30°	34.2
32.5°	34.2
35°	34.2
37.5°	34.2
40°	38.4
42.5°	38.4
45°	38.4
47.5°	38.4
50°	38.4
52.5°	42.7
55°	42.7
57.5°	42.7
60°	42.7
62.5°	42.7
65°	47.0
67.5°	47.0
70°	47.0
72.5°	47.0
75°	47.0
77.5°	47.0
80°	47.0
82.5°	47.0
85°	47.0
87.5°	47.0
90°	47.0
92.5°	47.0
95°	47.0
97.5°	47.0
100°	47.0
102.5°	47.0
105°	47.0
107.5°	47.0
110°	47.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.0
115°	47.0
117.5°	47.0
120°	42.7
122.5°	42.7
125°	42.7
127.5°	42.7
130°	38.4
132.5°	38.4
135°	38.4
137.5°	34.2
140°	34.2
142.5°	29.9
145°	29.9
147.5°	25.6
150°	25.6
152.5°	25.6
155°	21.4
157.5°	21.4
160°	17.1
162.5°	12.8
165°	12.8
167.5°	8.5
170°	8.5
172.5°	4.3
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	5.3	6.3	6.2	7.2	8.4	5.3	6.3	6.2	7.2	8.4
	3H	8.4	9.4	9.3	10.3	11.5	8.4	9.4	9.3	10.3	11.5
	4H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	6H	11.3	12.1	12.2	13.0	14.3	11.3	12.1	12.2	13.0	14.3
	8H	11.9	12.7	12.8	13.7	14.9	11.9	12.7	12.8	13.7	14.9
	12H	12.6	13.3	13.5	14.3	15.6	12.6	13.3	13.5	14.3	15.6
4H	2H	6.1	7.0	7.1	8.0	9.2	6.1	7.0	7.1	8.0	9.2
	3H	9.4	10.2	10.3	11.2	12.4	9.4	10.2	10.3	11.2	12.4
	4H	11.0	11.7	11.9	12.7	13.9	11.0	11.7	11.9	12.7	13.9
	6H	12.5	13.2	13.5	14.2	15.4	12.5	13.2	13.5	14.2	15.4
	8H	13.3	13.9	14.2	14.9	16.1	13.3	13.9	14.2	14.9	16.1
	12H	14.0	14.6	15.0	15.6	16.9	14.0	14.6	15.0	15.6	16.9
8H	4H	11.5	12.1	12.4	13.1	14.3	11.5	12.1	12.4	13.1	14.3
	6H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
	8H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	12H	15.1	15.5	16.0	16.5	17.8	15.1	15.5	16.0	16.5	17.8
12H	4H	11.6	12.1	12.5	13.1	14.4	11.6	12.1	12.5	13.1	14.4
	6H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
	8H	14.4	14.8	15.4	15.8	17.1	14.4	14.8	15.4	15.8	17.1

(END OF REPORT)