

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: P1245135

Luminaire Tested: PRLX-NIM-M-927-04L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245135
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-927-04L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

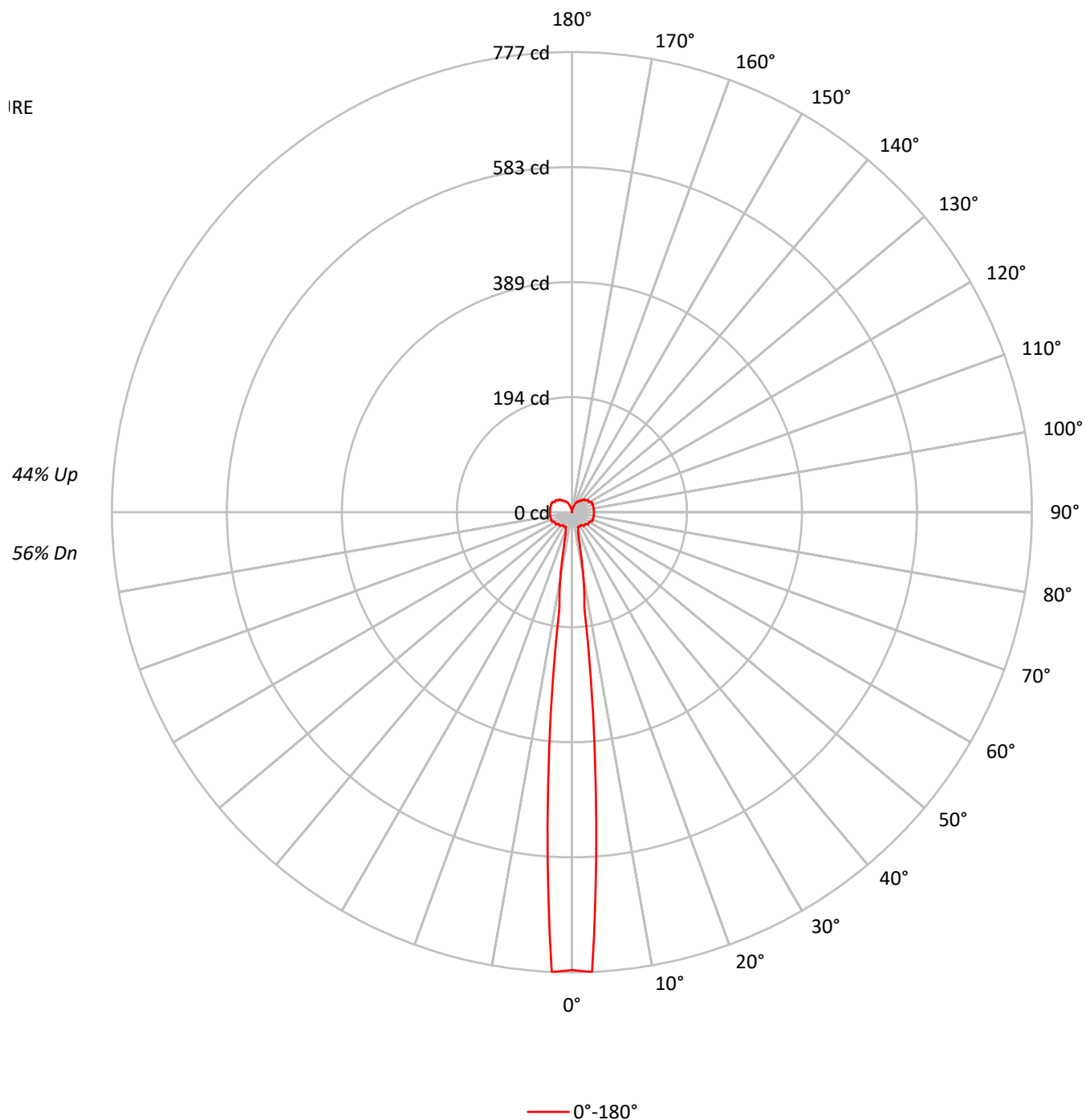
Lumens per Lamp: N/A
Luminaire Lumens: 439.8 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 16.2
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61
1	95	89	83	78	88	82	77	73	70	66	63		58	55	53		48
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39629
5°	17374
10°	3352
15°	1103
20°	659
25°	519
30°	470
35°	432
40°	452
45°	427
50°	406
55°	434
60°	421
65°	454
70°	447
75°	445
80°	445
85°	449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 457 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	7.0
10°-20°	14.1	3.2
20°-30°	12.7	2.9
30°-40°	17.3	3.9
40°-50°	23.6	5.4
50°-60°	30.1	6.8
60°-70°	35.8	8.1
70°-80°	39.5	9.0
80°-90°	40.7	9.3
90°-100°	40.7	9.3
100°-110°	39.5	9.0
110°-120°	36.6	8.3
120°-130°	30.1	6.8
130°-140°	22.7	5.2
140°-150°	14.5	3.3
150°-160°	8.4	1.9
160°-170°	2.7	0.6
170°-180°	0.3	0.1
0°-30°	57.6	13.1
0°-40°	74.9	17.0
0°-60°	128.6	29.2
0°-90°	244.5	55.6
90°-120°	116.8	26.5
90°-150°	184.0	41.8
90°-180°	195.0	44.3
0°-180°	439.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	773	
5°	461	31
15°	44	14
25°	27	13
35°	27	17
45°	30	24
55°	34	30
65°	37	36
75°	37	39
85°	37	30
90°	37	20
95°	37	30
105°	37	39
115°	37	37
125°	34	30
135°	30	23
145°	24	14
155°	17	8
165°	10	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	773.3
2.5°	776.7
5°	461.3
7.5°	162.8
10°	111.9
12.5°	64.4
15°	44.1
17.5°	33.9
20°	30.5
22.5°	27.1
25°	27.1
27.5°	27.1
30°	27.1
32.5°	27.1
35°	27.1
37.5°	27.1
40°	30.5
42.5°	30.5
45°	30.5
47.5°	30.5
50°	30.5
52.5°	33.9
55°	33.9
57.5°	33.9
60°	33.9
62.5°	33.9
65°	37.3
67.5°	37.3
70°	37.3
72.5°	37.3
75°	37.3
77.5°	37.3
80°	37.3
82.5°	37.3
85°	37.3
87.5°	37.3
90°	37.3
92.5°	37.3
95°	37.3
97.5°	37.3
100°	37.3
102.5°	37.3
105°	37.3
107.5°	37.3
110°	37.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.3
115°	37.3
117.5°	37.3
120°	33.9
122.5°	33.9
125°	33.9
127.5°	33.9
130°	30.5
132.5°	30.5
135°	30.5
137.5°	27.1
140°	27.1
142.5°	23.7
145°	23.7
147.5°	20.4
150°	20.4
152.5°	20.4
155°	17.0
157.5°	17.0
160°	13.6
162.5°	10.2
165°	10.2
167.5°	6.8
170°	6.8
172.5°	3.4
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	4.5	5.5	5.4	6.4	7.6	4.5	5.5	5.4	6.4	7.6
	3H	7.6	8.6	8.5	9.5	10.7	7.6	8.6	8.5	9.5	10.7
	4H	9.1	10.0	10.0	10.9	12.1	9.1	10.0	10.0	10.9	12.1
	6H	10.5	11.3	11.4	12.2	13.5	10.5	11.3	11.4	12.2	13.5
	8H	11.1	11.9	12.0	12.9	14.1	11.1	11.9	12.0	12.9	14.1
	12H	11.8	12.5	12.7	13.5	14.8	11.8	12.5	12.7	13.5	14.8
4H	2H	5.3	6.2	6.3	7.2	8.4	5.3	6.2	6.3	7.2	8.4
	3H	8.6	9.4	9.5	10.4	11.6	8.6	9.4	9.5	10.4	11.6
	4H	10.2	10.9	11.1	11.9	13.1	10.2	10.9	11.1	11.9	13.1
	6H	11.7	12.4	12.7	13.4	14.6	11.7	12.4	12.7	13.4	14.6
	8H	12.5	13.1	13.4	14.1	15.3	12.5	13.1	13.4	14.1	15.3
	12H	13.2	13.8	14.2	14.8	16.1	13.2	13.8	14.2	14.8	16.1
8H	4H	10.7	11.3	11.6	12.3	13.5	10.7	11.3	11.6	12.3	13.5
	6H	12.4	13.0	13.4	14.0	15.2	12.4	13.0	13.4	14.0	15.2
	8H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	12H	14.3	14.7	15.2	15.7	17.0	14.3	14.7	15.2	15.7	17.0
12H	4H	10.8	11.3	11.7	12.3	13.6	10.8	11.3	11.7	12.3	13.6
	6H	12.6	13.1	13.6	14.1	15.4	12.6	13.1	13.6	14.1	15.4
	8H	13.6	14.0	14.6	15.0	16.3	13.6	14.0	14.6	15.0	16.3

(END OF REPORT)