

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: P1245140

Luminaire Tested: PRLX-NIM-M-927-06L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245140
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-927-06L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

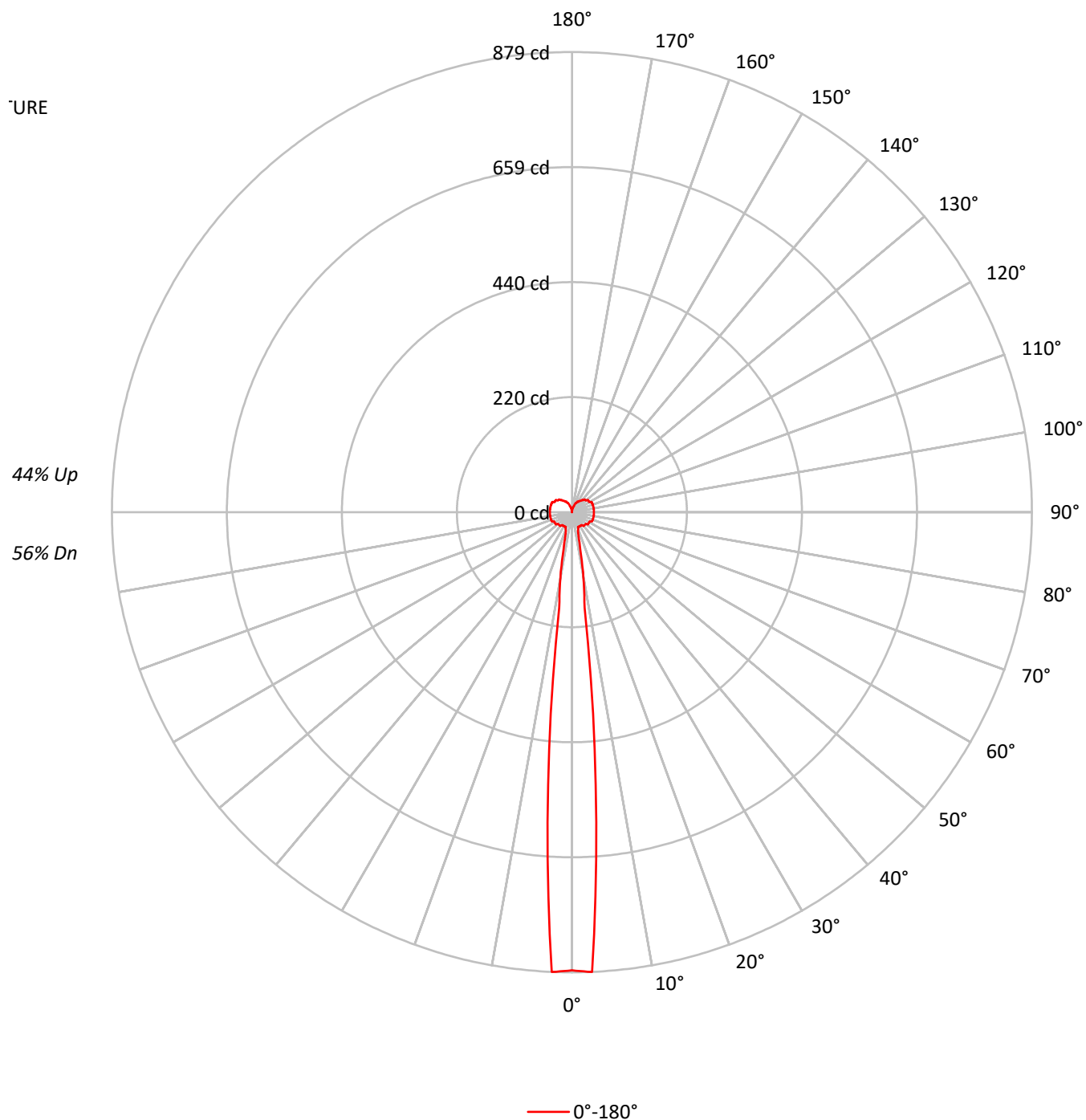
Lumens per Lamp: N/A
Luminaire Lumens: 497.9 lumens
Efficiency: N/A
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		60	54	50		50	46	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	32	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	17	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	47	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44857
5°	19664
10°	3795
15°	1248
20°	748
25°	588
30°	532
35°	489
40°	513
45°	484
50°	461
55°	492
60°	477
65°	513
70°	506
75°	503
80°	504
85°	508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 517 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	7.0
10°-20°	15.9	3.2
20°-30°	14.4	2.9
30°-40°	19.6	3.9
40°-50°	26.8	5.4
50°-60°	34.0	6.8
60°-70°	40.5	8.1
70°-80°	44.6	9.0
80°-90°	46.0	9.2
90°-100°	46.0	9.2
100°-110°	44.6	9.0
110°-120°	41.4	8.3
120°-130°	34.0	6.8
130°-140°	25.7	5.2
140°-150°	16.4	3.3
150°-160°	9.4	1.9
160°-170°	3.1	0.6
170°-180°	0.3	0.1
0°-30°	65.2	13.1
0°-40°	84.8	17.0
0°-60°	145.6	29.2
0°-90°	276.8	55.6
90°-120°	132.1	26.5
90°-150°	208.3	41.8
90°-180°	221.0	44.4
0°-180°	497.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	875	
5°	522	35
15°	50	16
25°	31	14
35°	31	20
45°	35	27
55°	38	34
65°	42	41
75°	42	45
85°	42	34
90°	42	23
95°	42	34
105°	42	45
115°	42	41
125°	38	34
135°	35	26
145°	27	16
155°	19	9
165°	12	3
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	875.3
2.5°	879.1
5°	522.1
7.5°	184.3
10°	126.7
12.5°	72.9
15°	49.9
17.5°	38.4
20°	34.6
22.5°	30.7
25°	30.7
27.5°	30.7
30°	30.7
32.5°	30.7
35°	30.7
37.5°	30.7
40°	34.6
42.5°	34.6
45°	34.6
47.5°	34.6
50°	34.6
52.5°	38.4
55°	38.4
57.5°	38.4
60°	38.4
62.5°	38.4
65°	42.2
67.5°	42.2
70°	42.2
72.5°	42.2
75°	42.2
77.5°	42.2
80°	42.2
82.5°	42.2
85°	42.2
87.5°	42.2
90°	42.2
92.5°	42.2
95°	42.2
97.5°	42.2
100°	42.2
102.5°	42.2
105°	42.2
107.5°	42.2
110°	42.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.2
115°	42.2
117.5°	42.2
120°	38.4
122.5°	38.4
125°	38.4
127.5°	38.4
130°	34.6
132.5°	34.6
135°	34.6
137.5°	30.7
140°	30.7
142.5°	26.9
145°	26.9
147.5°	23.0
150°	23.0
152.5°	23.0
155°	19.2
157.5°	19.2
160°	15.4
162.5°	11.5
165°	11.5
167.5°	7.7
170°	7.7
172.5°	3.8
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	4.9	5.9	5.8	6.9	8.0	4.9	5.9	5.8	6.9	8.0
	3H	8.1	9.0	9.0	9.9	11.1	8.1	9.0	9.0	9.9	11.1
	4H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	6H	10.9	11.7	11.8	12.7	13.9	10.9	11.7	11.8	12.7	13.9
	8H	11.5	12.4	12.5	13.3	14.5	11.5	12.4	12.5	13.3	14.5
	12H	12.2	13.0	13.1	13.9	15.2	12.2	13.0	13.1	13.9	15.2
4H	2H	5.8	6.7	6.7	7.6	8.8	5.8	6.7	6.7	7.6	8.8
	3H	9.0	9.8	10.0	10.8	12.0	9.0	9.8	10.0	10.8	12.0
	4H	10.6	11.3	11.5	12.3	13.5	10.6	11.3	11.5	12.3	13.5
	6H	12.1	12.8	13.1	13.8	15.0	12.1	12.8	13.1	13.8	15.0
	8H	12.9	13.5	13.8	14.5	15.8	12.9	13.5	13.8	14.5	15.8
	12H	13.7	14.2	14.6	15.2	16.5	13.7	14.2	14.6	15.2	16.5
8H	4H	11.1	11.7	12.0	12.7	14.0	11.1	11.7	12.0	12.7	14.0
	6H	12.9	13.4	13.8	14.4	15.7	12.9	13.4	13.8	14.4	15.7
	8H	13.8	14.2	14.7	15.2	16.5	13.8	14.2	14.7	15.2	16.5
	12H	14.7	15.1	15.7	16.1	17.4	14.7	15.1	15.7	16.1	17.4
12H	4H	11.2	11.8	12.2	12.8	14.0	11.2	11.8	12.2	12.8	14.0
	6H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8
	8H	14.0	14.4	15.0	15.4	16.8	14.0	14.4	15.0	15.4	16.8

(END OF REPORT)