

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: P1244861

Luminaire Tested: PRLX-MIN-L-940-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-940-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

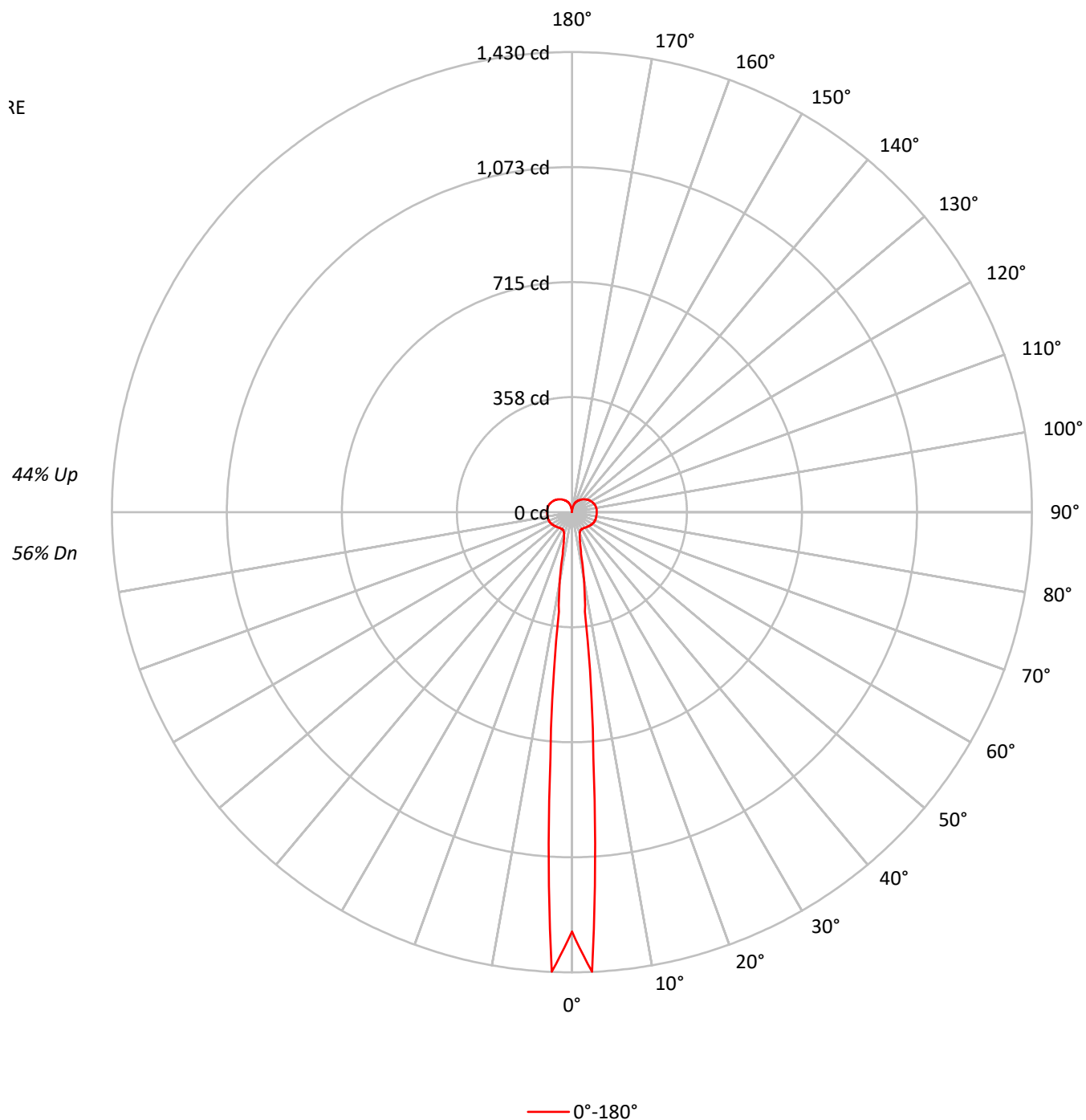
Lumens per Lamp: N/A
Luminaire Lumens: 899.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	
RCR																						
0	109	109	109	109		101	101	101	101		87	87	87		74	74	74		62	62	62	
1	95	89	83	78		88	82	77	73		70	66	63		59	56	53		48	46	44	
2	85	76	68	62		79	70	63	58		60	54	50		50	46	42		41	38	35	
3	77	66	57	50		71	61	53	47		52	46	41		43	39	35		36	32	29	
4	71	58	49	42		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	48	40	34		41	35	30		35	30	26		29	25	22	
6	60	47	38	32		55	44	36	30		38	31	26		32	27	23		27	22	19	
7	56	43	34	28		52	40	32	27		35	28	24		29	24	21		25	21	18	
8	52	39	31	25		48	37	29	24		32	26	21		27	22	19		23	19	16	
9	49	36	28	23		45	34	27	22		30	24	20		26	21	17		22	18	15	
10	46	34	26	21		43	32	25	20		28	22	18		24	19	16		21	17	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41225
5°	18904
10°	4408
15°	1682
20°	1087
25°	864
30°	768
35°	718
40°	695
45°	683
50°	678
55°	682
60°	687
65°	697
70°	704
75°	711
80°	712
85°	727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 743 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	6.1
10°-20°	30.3	3.4
20°-30°	29.5	3.3
30°-40°	38.7	4.3
40°-50°	50.7	5.6
50°-60°	63.2	7.0
60°-70°	74.3	8.3
70°-80°	81.2	9.0
80°-90°	84.0	9.3
90°-100°	84.2	9.4
100°-110°	80.0	8.9
110°-120°	70.8	7.9
120°-130°	58.3	6.5
130°-140°	44.0	4.9
140°-150°	29.7	3.3
150°-160°	17.4	1.9
160°-170°	7.2	0.8
170°-180°	0.7	0.1
0°-30°	114.7	12.8
0°-40°	153.4	17.1
0°-60°	267.3	29.7
0°-90°	506.8	56.4
90°-120°	234.9	26.1
90°-150°	366.9	40.8
90°-180°	392.0	43.6
0°-180°	899.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1303	
5°	766	55
15°	97	30
25°	63	29
35°	61	39
45°	65	51
55°	70	63
65°	75	74
75°	77	81
85°	77	63
90°	77	42
95°	77	63
105°	76	80
115°	71	71
125°	65	58
135°	57	44
145°	47	30
155°	38	17
165°	25	7
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1303.1
2.5°	1429.5
5°	766.4
7.5°	311.9
10°	216.7
12.5°	132.7
15°	96.6
17.5°	80.3
20°	70.9
22.5°	65.9
25°	62.7
27.5°	61.4
30°	60.9
32.5°	60.9
35°	61.4
37.5°	61.8
40°	63.2
42.5°	64.1
45°	65.4
47.5°	66.8
50°	67.7
52.5°	69.1
55°	70.4
57.5°	71.8
60°	72.7
62.5°	74.0
65°	74.9
67.5°	75.8
70°	76.3
72.5°	76.7
75°	77.2
77.5°	76.7
80°	76.7
82.5°	76.7
85°	77.2
87.5°	77.2
90°	77.2
92.5°	77.2
95°	77.2
97.5°	77.2
100°	76.7
102.5°	76.3
105°	75.8
107.5°	74.9
110°	74.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.7
115°	71.3
117.5°	70.0
120°	68.2
122.5°	66.8
125°	65.0
127.5°	63.2
130°	60.9
132.5°	59.1
135°	56.9
137.5°	54.2
140°	51.9
142.5°	49.7
145°	46.9
147.5°	44.7
150°	42.4
152.5°	39.7
155°	37.5
157.5°	34.8
160°	32.0
162.5°	28.9
165°	25.3
167.5°	20.3
170°	14.0
172.5°	8.6
175°	3.6
177.5°	0.9
180°	0.5

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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	6.3	7.3	7.2	8.3	9.4	6.3	7.3	7.2	8.3	9.4
	3H	9.3	10.3	10.2	11.2	12.4	9.3	10.3	10.2	11.2	12.4
	4H	10.7	11.6	11.6	12.6	13.8	10.7	11.6	11.6	12.6	13.8
	6H	12.1	13.0	13.0	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	8H	12.8	13.6	13.7	14.6	15.8	12.8	13.6	13.7	14.6	15.8
	12H	13.4	14.2	14.4	15.2	16.4	13.4	14.2	14.4	15.2	16.4
4H	2H	7.1	8.0	8.0	8.9	10.1	7.1	8.0	8.0	8.9	10.1
	3H	10.2	11.0	11.2	12.0	13.2	10.2	11.0	11.2	12.0	13.2
	4H	11.8	12.6	12.8	13.5	14.8	11.8	12.6	12.8	13.5	14.8
	6H	13.4	14.0	14.3	15.0	16.3	13.4	14.0	14.3	15.0	16.3
	8H	14.1	14.8	15.1	15.7	17.0	14.1	14.8	15.1	15.7	17.0
	12H	14.9	15.5	15.9	16.5	17.7	14.9	15.5	15.9	16.5	17.7
8H	4H	12.3	13.0	13.3	13.9	15.2	12.3	13.0	13.3	13.9	15.2
	6H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	8H	15.0	15.5	16.0	16.5	17.7	15.0	15.5	16.0	16.5	17.7
	12H	15.9	16.4	16.9	17.4	18.7	15.9	16.4	16.9	17.4	18.7
12H	4H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	6H	14.3	14.8	15.3	15.8	17.0	14.3	14.8	15.3	15.8	17.0
	8H	15.3	15.7	16.2	16.7	18.0	15.3	15.7	16.2	16.7	18.0

(END OF REPORT)