

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: P1245431

Luminaire Tested: PRLX-UNA-M-940-03L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-940-03L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

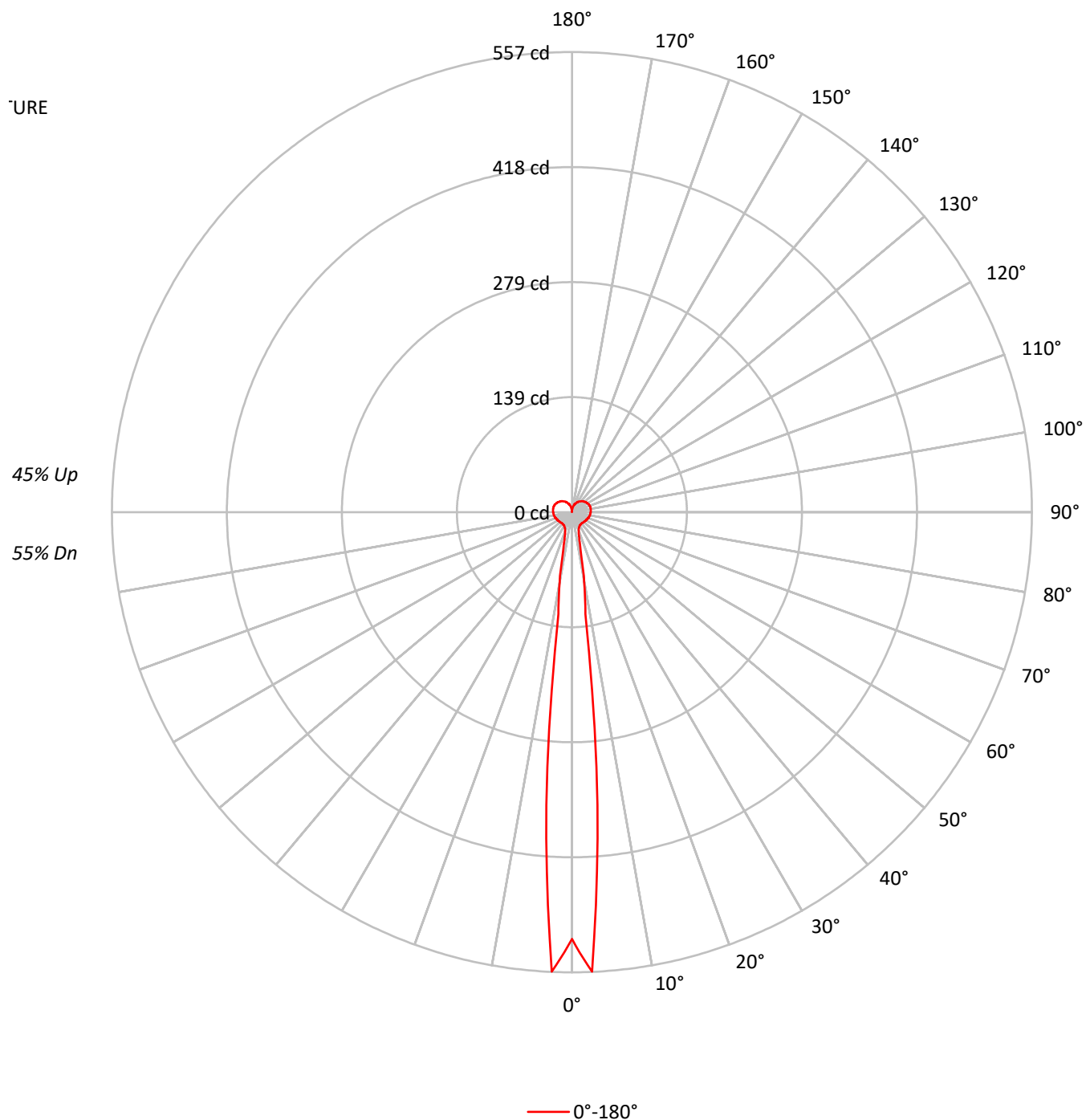
Lumens per Lamp: N/A
Luminaire Lumens: 277.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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	55			
1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	45	39			
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31			
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26			
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23			
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	31	27	24	21			
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19			
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17			
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16			
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15			
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26479
5°	13404
10°	2573
15°	863
20°	517
25°	395
30°	324
35°	293
40°	267
45°	257
50°	249
55°	245
60°	246
65°	246
70°	251
75°	259
80°	263
85°	270

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 279 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	8.3
10°-20°	11.0	4.0
20°-30°	9.5	3.4
30°-40°	11.5	4.1
40°-50°	14.2	5.1
50°-60°	17.2	6.2
60°-70°	20.1	7.3
70°-80°	22.8	8.2
80°-90°	24.4	8.8
90°-100°	25.1	9.1
100°-110°	24.4	8.8
110°-120°	22.2	8.0
120°-130°	18.7	6.7
130°-140°	14.4	5.2
140°-150°	10.0	3.6
150°-160°	5.8	2.1
160°-170°	2.4	0.9
170°-180°	0.4	0.1
0°-30°	43.5	15.7
0°-40°	55.0	19.8
0°-60°	86.3	31.2
0°-90°	153.7	55.5
90°-120°	71.7	25.9
90°-150°	114.7	41.4
90°-180°	123.0	44.4
0°-180°	277.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	517	
5°	356	23
15°	34	11
25°	21	10
35°	18	11
45°	18	14
55°	19	17
65°	20	20
75°	22	23
85°	22	18
90°	23	12
95°	23	19
105°	23	24
115°	22	22
125°	21	19
135°	19	14
145°	16	10
155°	12	6
165°	8	2
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	516.7
2.5°	556.7
5°	355.9
7.5°	124.1
10°	85.9
12.5°	49.2
15°	34.5
17.5°	27.9
20°	23.9
22.5°	21.7
25°	20.6
27.5°	19.5
30°	18.7
32.5°	18.4
35°	18.4
37.5°	18.0
40°	18.0
42.5°	18.0
45°	18.4
47.5°	18.4
50°	18.7
52.5°	18.7
55°	19.1
57.5°	19.5
60°	19.8
62.5°	19.8
65°	20.2
67.5°	20.6
70°	20.9
72.5°	21.3
75°	21.7
77.5°	21.7
80°	22.0
82.5°	22.4
85°	22.4
87.5°	22.4
90°	22.8
92.5°	22.8
95°	23.1
97.5°	23.1
100°	23.1
102.5°	23.1
105°	23.1
107.5°	23.1
110°	22.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	22.8
115°	22.4
117.5°	22.0
120°	21.7
122.5°	21.3
125°	20.9
127.5°	20.2
130°	19.8
132.5°	19.1
135°	18.7
137.5°	18.0
140°	17.3
142.5°	16.5
145°	15.8
147.5°	15.1
150°	14.3
152.5°	13.2
155°	12.5
157.5°	11.4
160°	10.6
162.5°	9.5
165°	8.4
167.5°	7.3
170°	6.2
172.5°	4.4
175°	2.6
177.5°	1.1
180°	0.4

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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	2.3	3.3	3.2	4.2	5.4	2.3	3.3	3.2	4.2	5.4
	3H	5.3	6.2	6.2	7.1	8.3	5.3	6.2	6.2	7.1	8.3
	4H	6.8	7.7	7.7	8.6	9.8	6.8	7.7	7.7	8.6	9.8
	6H	8.2	9.1	9.2	10.0	11.2	8.2	9.1	9.2	10.0	11.2
	8H	9.0	9.7	9.9	10.7	11.9	9.0	9.7	9.9	10.7	11.9
	12H	9.6	10.4	10.6	11.4	12.6	9.6	10.4	10.6	11.4	12.6
4H	2H	3.0	3.9	4.0	4.9	6.1	3.0	3.9	4.0	4.9	6.1
	3H	6.2	7.0	7.2	8.0	9.2	6.2	7.0	7.2	8.0	9.2
	4H	7.9	8.6	8.8	9.5	10.8	7.9	8.6	8.8	9.5	10.8
	6H	9.5	10.1	10.5	11.1	12.4	9.5	10.1	10.5	11.1	12.4
	8H	10.3	10.9	11.3	11.9	13.2	10.3	10.9	11.3	11.9	13.2
	12H	11.1	11.7	12.1	12.7	13.9	11.1	11.7	12.1	12.7	13.9
8H	4H	8.4	9.0	9.3	10.0	11.2	8.4	9.0	9.3	10.0	11.2
	6H	10.2	10.8	11.2	11.8	13.0	10.2	10.8	11.2	11.8	13.0
	8H	11.2	11.7	12.2	12.7	13.9	11.2	11.7	12.2	12.7	13.9
	12H	12.2	12.6	13.2	13.6	14.9	12.2	12.6	13.2	13.6	14.9
12H	4H	8.5	9.1	9.5	10.1	11.3	8.5	9.1	9.5	10.1	11.3
	6H	10.4	10.9	11.4	11.9	13.2	10.4	10.9	11.4	11.9	13.2
	8H	11.5	11.9	12.5	12.9	14.2	11.5	11.9	12.5	12.9	14.2

(END OF REPORT)