

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: P1245415

Luminaire Tested: PRLX-UNA-M-935-01L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245415
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-935-01L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

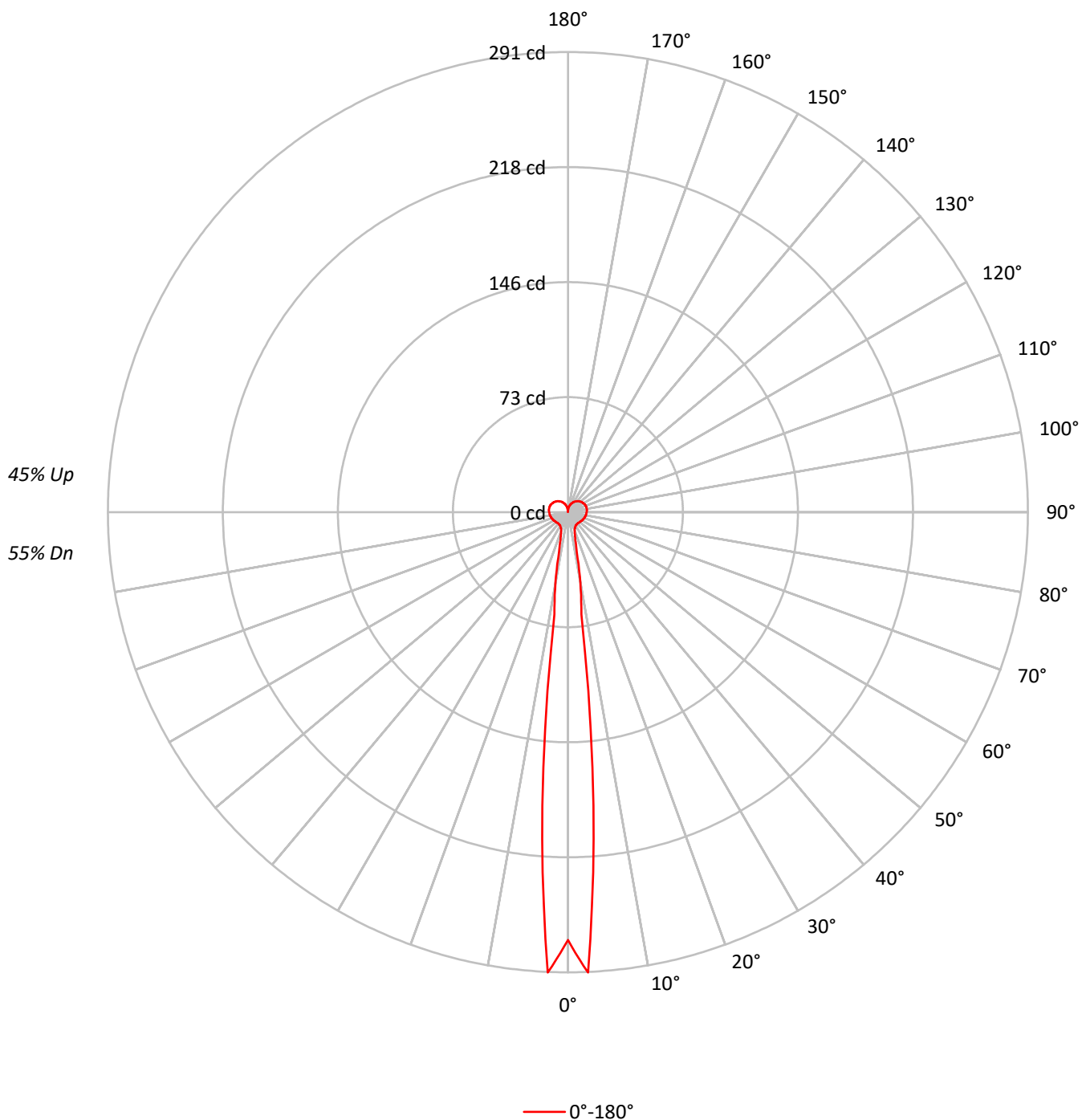
Lumens per Lamp: N/A
Luminaire Lumens: 144.9 lumens
Efficiency: N/A
Efficacy: 23.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
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	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	80	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	37	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°	13862
5°	7017
10°	1348
15°	453
20°	270
25°	207
30°	170
35°	153
40°	139
45°	134
50°	131
55°	128
60°	129
65°	129
70°	132
75°	135
80°	137
85°	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	8.3
10°-20°	5.8	4.0
20°-30°	5.0	3.4
30°-40°	6.0	4.1
40°-50°	7.4	5.1
50°-60°	9.0	6.2
60°-70°	10.6	7.3
70°-80°	11.9	8.2
80°-90°	12.8	8.8
90°-100°	13.1	9.1
100°-110°	12.8	8.8
110°-120°	11.6	8.0
120°-130°	9.8	6.7
130°-140°	7.5	5.2
140°-150°	5.2	3.6
150°-160°	3.0	2.1
160°-170°	1.3	0.9
170°-180°	0.2	0.1
0°-30°	22.8	15.7
0°-40°	28.8	19.9
0°-60°	45.2	31.2
0°-90°	80.4	55.5
90°-120°	37.5	25.9
90°-150°	60.0	41.4
90°-180°	65.0	44.9
0°-180°	144.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	270	
5°	186	12
15°	18	6
25°	11	5
35°	10	6
45°	10	7
55°	10	9
65°	11	11
75°	11	12
85°	12	10
90°	12	6
95°	12	10
105°	12	13
115°	12	12
125°	11	10
135°	10	8
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	270.5
2.5°	291.4
5°	186.3
7.5°	65.0
10°	45.0
12.5°	25.8
15°	18.1
17.5°	14.6
20°	12.5
22.5°	11.3
25°	10.8
27.5°	10.2
30°	9.8
32.5°	9.6
35°	9.6
37.5°	9.4
40°	9.4
42.5°	9.4
45°	9.6
47.5°	9.6
50°	9.8
52.5°	9.8
55°	10.0
57.5°	10.2
60°	10.4
62.5°	10.4
65°	10.6
67.5°	10.8
70°	11.0
72.5°	11.1
75°	11.3
77.5°	11.3
80°	11.5
82.5°	11.7
85°	11.7
87.5°	11.7
90°	11.9
92.5°	11.9
95°	12.1
97.5°	12.1
100°	12.1
102.5°	12.1
105°	12.1
107.5°	12.1
110°	11.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.9
115°	11.7
117.5°	11.5
120°	11.3
122.5°	11.1
125°	11.0
127.5°	10.6
130°	10.4
132.5°	10.0
135°	9.8
137.5°	9.4
140°	9.0
142.5°	8.7
145°	8.3
147.5°	7.9
150°	7.5
152.5°	6.9
155°	6.5
157.5°	6.0
160°	5.6
162.5°	5.0
165°	4.4
167.5°	3.8
170°	3.3
172.5°	2.3
175°	1.3
177.5°	0.6
180°	0.2

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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	0.0	1.0	0.9	2.0	3.1	0.0	1.0	0.9	2.0	3.1
	3H	3.0	4.0	3.9	4.9	6.1	3.0	4.0	3.9	4.9	6.1
	4H	4.5	5.4	5.4	6.3	7.6	4.5	5.4	5.4	6.3	7.6
	6H	6.0	6.8	6.9	7.7	9.0	6.0	6.8	6.9	7.7	9.0
	8H	6.7	7.5	7.6	8.4	9.7	6.7	7.5	7.6	8.4	9.7
	12H	7.4	8.1	8.3	9.1	10.4	7.4	8.1	8.3	9.1	10.4
4H	2H	0.8	1.7	1.7	2.6	3.8	0.8	1.7	1.7	2.6	3.8
	3H	4.0	4.8	4.9	5.7	6.9	4.0	4.8	4.9	5.7	6.9
	4H	5.6	6.3	6.6	7.3	8.5	5.6	6.3	6.6	7.3	8.5
	6H	7.2	7.9	8.2	8.9	10.1	7.2	7.9	8.2	8.9	10.1
	8H	8.1	8.7	9.0	9.6	10.9	8.1	8.7	9.0	9.6	10.9
	12H	8.9	9.4	9.8	10.4	11.7	8.9	9.4	9.8	10.4	11.7
8H	4H	6.1	6.7	7.1	7.7	9.0	6.1	6.7	7.1	7.7	9.0
	6H	8.0	8.5	8.9	9.5	10.8	8.0	8.5	8.9	9.5	10.8
	8H	8.9	9.4	9.9	10.4	11.7	8.9	9.4	9.9	10.4	11.7
	12H	9.9	10.3	10.9	11.3	12.6	9.9	10.3	10.9	11.3	12.6
12H	4H	6.3	6.8	7.2	7.8	9.1	6.3	6.8	7.2	7.8	9.1
	6H	8.2	8.6	9.2	9.6	10.9	8.2	8.6	9.2	9.6	10.9
	8H	9.2	9.6	10.2	10.6	11.9	9.2	9.6	10.2	10.6	11.9

(END OF REPORT)