

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: P1245337

Luminaire Tested: PRLX-UNA-L-935-02L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-935-02L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

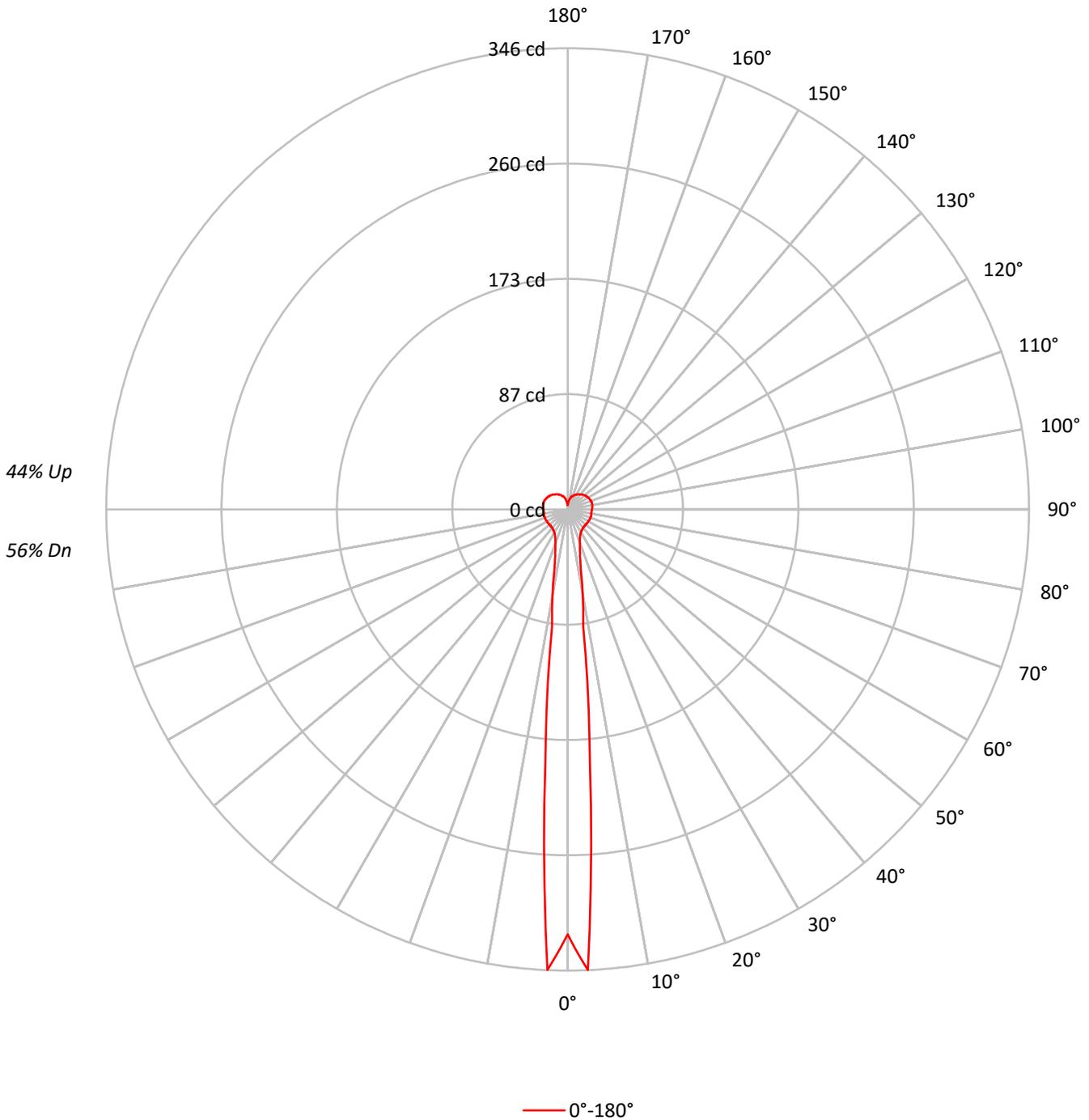
Lumens per Lamp: N/A
Luminaire Lumens: 236.9 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
Input Voltage (V): NR
Input Current (A_{in}): 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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40
2	86	77	70	64	80	72	65	59	61	56	51	51	47	44	42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10086
5°	4726
10°	1328
15°	624
20°	411
25°	306
30°	251
35°	220
40°	198
45°	186
50°	177
55°	172
60°	169
65°	168
70°	168
75°	169
80°	167
85°	169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	6.0
10°-20°	10.6	4.5
20°-30°	10.4	4.4
30°-40°	11.8	5.0
40°-50°	13.8	5.8
50°-60°	16.0	6.8
60°-70°	18.0	7.6
70°-80°	19.3	8.1
80°-90°	19.7	8.3
90°-100°	20.3	8.6
100°-110°	19.8	8.4
110°-120°	18.1	7.6
120°-130°	15.4	6.5
130°-140°	12.2	5.1
140°-150°	8.7	3.7
150°-160°	5.5	2.3
160°-170°	2.7	1.1
170°-180°	0.5	0.2
0°-30°	35.2	14.9
0°-40°	47.1	19.9
0°-60°	76.8	32.4
0°-90°	133.8	56.5
90°-120°	58.2	24.6
90°-150°	94.5	39.9
90°-180°	103.0	43.5
0°-180°	236.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	319	
5°	192	14
15°	36	11
25°	22	10
35°	19	12
45°	18	14
55°	18	16
65°	18	18
75°	18	19
85°	18	15
90°	18	10
95°	19	15
105°	19	20
115°	18	18
125°	17	15
135°	16	12
145°	14	9
155°	12	5
165°	9	3
175°	5	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	318.8
2.5°	345.9
5°	191.6
7.5°	88.9
10°	65.3
12.5°	45.0
15°	35.8
17.5°	30.5
20°	26.8
22.5°	24.1
25°	22.2
27.5°	20.9
30°	19.9
32.5°	19.3
35°	18.8
37.5°	18.3
40°	18.0
42.5°	17.9
45°	17.8
47.5°	17.7
50°	17.7
52.5°	17.8
55°	17.8
57.5°	17.9
60°	17.9
62.5°	18.0
65°	18.1
67.5°	18.2
70°	18.2
72.5°	18.3
75°	18.3
77.5°	18.2
80°	18.0
82.5°	18.0
85°	18.0
87.5°	18.1
90°	18.2
92.5°	18.5
95°	18.6
97.5°	18.7
100°	18.8
102.5°	18.8
105°	18.8
107.5°	18.7
110°	18.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	18.5
115°	18.2
117.5°	18.0
120°	17.8
122.5°	17.5
125°	17.2
127.5°	16.9
130°	16.5
132.5°	16.1
135°	15.7
137.5°	15.3
140°	14.7
142.5°	14.3
145°	13.8
147.5°	13.4
150°	12.8
152.5°	12.3
155°	11.8
157.5°	11.2
160°	10.6
162.5°	10.1
165°	9.3
167.5°	8.5
170°	7.4
172.5°	6.3
175°	4.9
177.5°	3.6
180°	3.2



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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	1.3	2.3	2.2	3.2	4.4	1.3	2.3	2.2	3.2	4.4
	3H	4.1	5.1	5.0	6.0	7.2	4.1	5.1	5.0	6.0	7.2
	4H	5.5	6.4	6.4	7.3	8.5	5.5	6.4	6.4	7.3	8.5
	6H	6.9	7.7	7.8	8.6	9.8	6.9	7.7	7.8	8.6	9.8
	8H	7.5	8.3	8.4	9.2	10.5	7.5	8.3	8.4	9.2	10.5
	12H	8.1	8.9	9.1	9.8	11.1	8.1	8.9	9.1	9.8	11.1
4H	2H	2.0	2.9	2.9	3.8	5.0	2.0	2.9	2.9	3.8	5.0
	3H	5.1	5.8	6.0	6.8	8.0	5.1	5.8	6.0	6.8	8.0
	4H	6.6	7.3	7.5	8.3	9.5	6.6	7.3	7.5	8.3	9.5
	6H	8.1	8.7	9.0	9.7	10.9	8.1	8.7	9.0	9.7	10.9
	8H	8.8	9.4	9.8	10.4	11.7	8.8	9.4	9.8	10.4	11.7
	12H	9.6	10.1	10.5	11.1	12.4	9.6	10.1	10.5	11.1	12.4
8H	4H	7.1	7.7	8.0	8.7	9.9	7.1	7.7	8.0	8.7	9.9
	6H	8.8	9.3	9.8	10.3	11.6	8.8	9.3	9.8	10.3	11.6
	8H	9.7	10.1	10.6	11.1	12.4	9.7	10.1	10.6	11.1	12.4
	12H	10.6	11.0	11.6	12.0	13.3	10.6	11.0	11.6	12.0	13.3
12H	4H	7.2	7.7	8.1	8.7	10.0	7.2	7.7	8.1	8.7	10.0
	6H	9.0	9.4	9.9	10.4	11.7	9.0	9.4	9.9	10.4	11.7
	8H	9.9	10.3	10.9	11.3	12.6	9.9	10.3	10.9	11.3	12.6

(END OF REPORT)