

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: P1245361

Luminaire Tested: PRLX-UNA-L-940-02L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245361
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-940-02L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

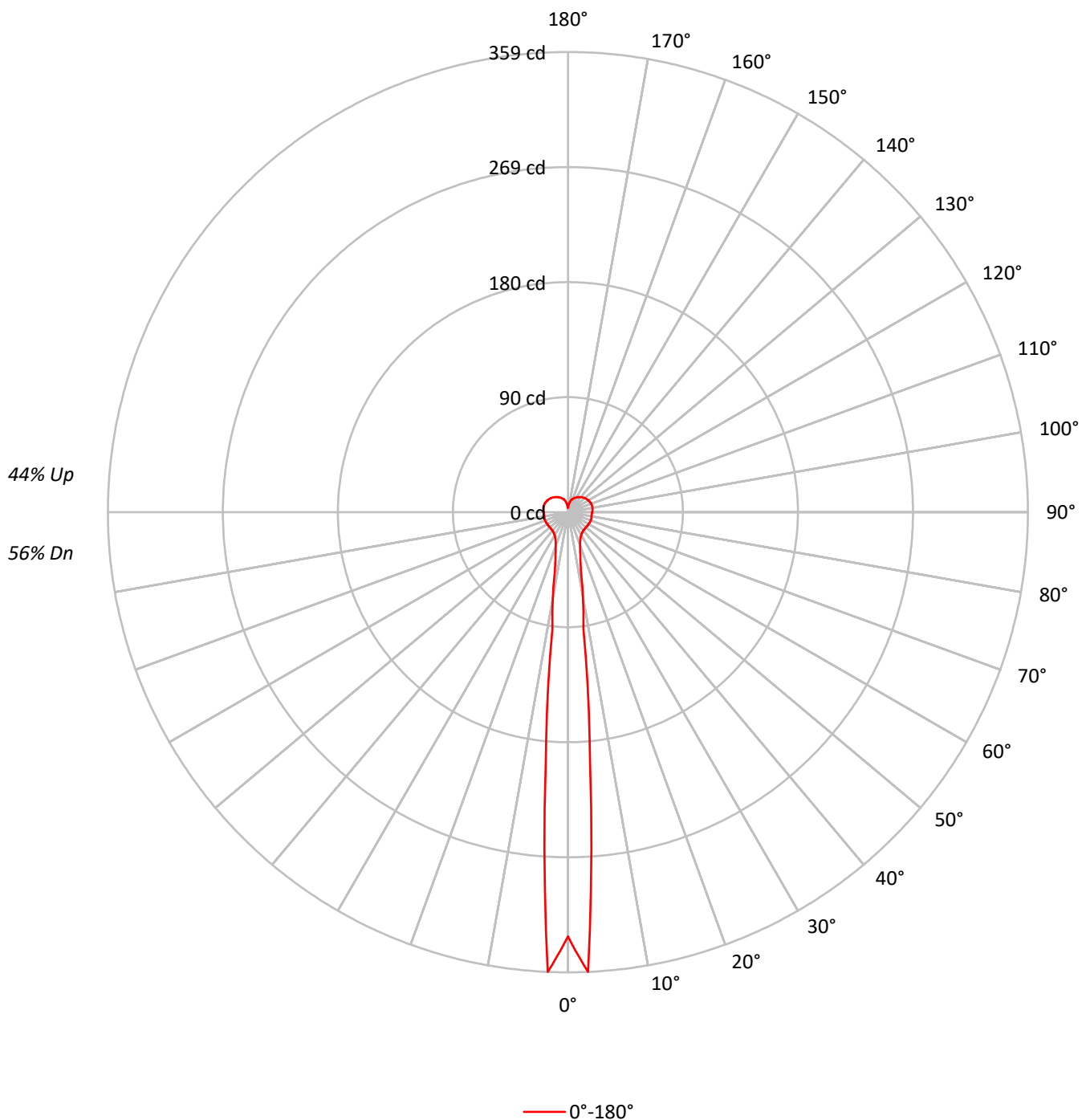
Lumens per Lamp: N/A
Luminaire Lumens: 246.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
Input Voltage (V): NR
Input Current (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	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°	10468
5°	4906
10°	1379
15°	648
20°	426
25°	317
30°	261
35°	228
40°	206
45°	193
50°	184
55°	179
60°	176
65°	175
70°	174
75°	175
80°	174
85°	176

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	6.0
10°-20°	11.1	4.5
20°-30°	10.8	4.4
30°-40°	12.3	5.0
40°-50°	14.3	5.8
50°-60°	16.6	6.8
60°-70°	18.7	7.6
70°-80°	20.0	8.1
80°-90°	20.5	8.3
90°-100°	21.0	8.5
100°-110°	20.6	8.4
110°-120°	18.8	7.6
120°-130°	16.0	6.5
130°-140°	12.6	5.1
140°-150°	9.0	3.7
150°-160°	5.7	2.3
160°-170°	2.8	1.1
170°-180°	0.6	0.2
0°-30°	36.6	14.9
0°-40°	48.8	19.9
0°-60°	79.8	32.4
0°-90°	138.9	56.5
90°-120°	60.4	24.6
90°-150°	98.1	39.9
90°-180°	107.0	43.5
0°-180°	246.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	331	
5°	199	15
15°	37	11
25°	23	11
35°	20	12
45°	18	14
55°	18	17
65°	19	19
75°	19	20
85°	19	15
90°	19	10
95°	19	16
105°	20	21
115°	19	19
125°	18	16
135°	16	13
145°	14	9
155°	12	6
165°	10	3
175°	5	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	330.9
2.5°	359.0
5°	198.9
7.5°	92.2
10°	67.8
12.5°	46.7
15°	37.2
17.5°	31.7
20°	27.8
22.5°	25.0
25°	23.0
27.5°	21.7
30°	20.7
32.5°	20.0
35°	19.5
37.5°	19.0
40°	18.7
42.5°	18.6
45°	18.5
47.5°	18.4
50°	18.4
52.5°	18.5
55°	18.5
57.5°	18.6
60°	18.6
62.5°	18.7
65°	18.8
67.5°	18.9
70°	18.9
72.5°	19.0
75°	19.0
77.5°	18.9
80°	18.7
82.5°	18.7
85°	18.7
87.5°	18.8
90°	18.9
92.5°	19.2
95°	19.3
97.5°	19.4
100°	19.5
102.5°	19.5
105°	19.5
107.5°	19.4
110°	19.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	19.2
115°	18.9
117.5°	18.7
120°	18.5
122.5°	18.2
125°	17.8
127.5°	17.5
130°	17.2
132.5°	16.7
135°	16.3
137.5°	15.8
140°	15.3
142.5°	14.9
145°	14.3
147.5°	13.9
150°	13.3
152.5°	12.8
155°	12.2
157.5°	11.7
160°	11.0
162.5°	10.5
165°	9.7
167.5°	8.8
170°	7.7
172.5°	6.5
175°	5.1
177.5°	3.7
180°	3.3

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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	1.4	2.5	2.3	3.4	4.5	1.4	2.5	2.3	3.4	4.5
	3H	4.3	5.2	5.2	6.1	7.3	4.3	5.2	5.2	6.1	7.3
	4H	5.7	6.5	6.6	7.5	8.7	5.7	6.5	6.6	7.5	8.7
	6H	7.0	7.8	7.9	8.8	10.0	7.0	7.8	7.9	8.8	10.0
	8H	7.6	8.4	8.6	9.4	10.6	7.6	8.4	8.6	9.4	10.6
	12H	8.3	9.0	9.2	10.0	11.2	8.3	9.0	9.2	10.0	11.2
4H	2H	2.2	3.1	3.1	4.0	5.2	2.2	3.1	3.1	4.0	5.2
	3H	5.2	6.0	6.1	6.9	8.1	5.2	6.0	6.1	6.9	8.1
	4H	6.7	7.4	7.7	8.4	9.6	6.7	7.4	7.7	8.4	9.6
	6H	8.2	8.9	9.2	9.8	11.1	8.2	8.9	9.2	9.8	11.1
	8H	9.0	9.6	9.9	10.5	11.8	9.0	9.6	9.9	10.5	11.8
	12H	9.7	10.2	10.7	11.2	12.5	9.7	10.2	10.7	11.2	12.5
8H	4H	7.2	7.8	8.2	8.8	10.0	7.2	7.8	8.2	8.8	10.0
	6H	8.9	9.4	9.9	10.4	11.7	8.9	9.4	9.9	10.4	11.7
	8H	9.8	10.3	10.8	11.3	12.5	9.8	10.3	10.8	11.3	12.5
	12H	10.7	11.1	11.7	12.1	13.4	10.7	11.1	11.7	12.1	13.4
12H	4H	7.3	7.9	8.3	8.8	10.1	7.3	7.9	8.3	8.8	10.1
	6H	9.1	9.6	10.1	10.6	11.8	9.1	9.6	10.1	10.6	11.8
	8H	10.1	10.5	11.0	11.5	12.8	10.1	10.5	11.0	11.5	12.8

(END OF REPORT)