

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: P1244929

Luminaire Tested: PRLX-MIN-M-940-03L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-940-03L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

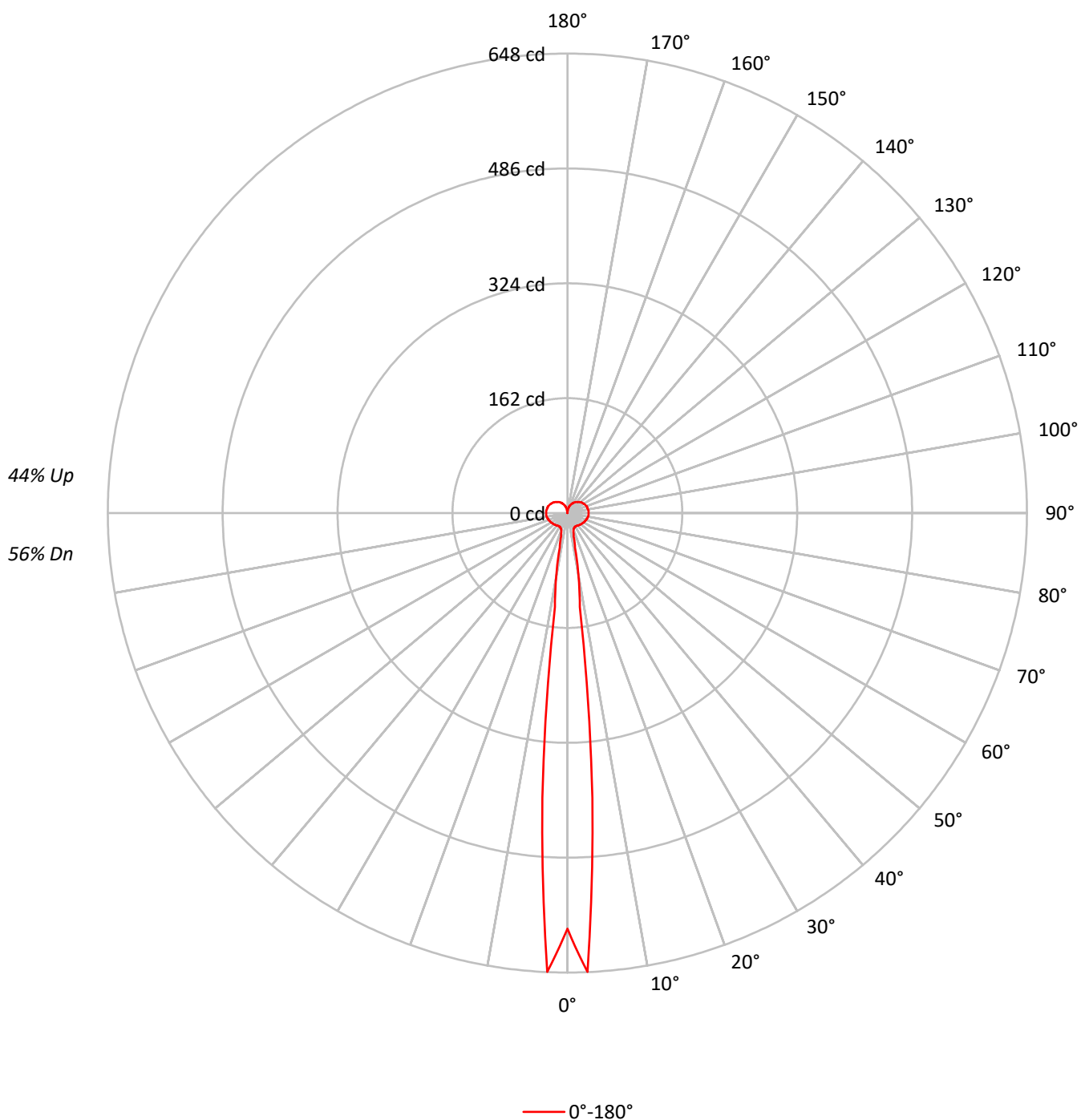
Lumens per Lamp: N/A
Luminaire Lumens: 345.1 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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
RW	70	50	30	10	70	50	30	10	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			56
1	95	89	84	79	88	82	78	73	70	66	63	59	56	53	48	46	44			39
2	86	76	69	62	79	71	64	58	60	55	50	50	46	42	41	38	35			30
3	78	67	58	51	71	62	54	48	52	46	41	44	39	35	36	32	29			25
4	71	59	50	43	65	55	47	41	47	40	35	39	34	30	32	28	25			22
5	66	53	44	37	60	49	41	35	42	36	31	36	31	27	29	26	22			19
6	61	48	39	33	56	45	37	31	38	32	27	33	28	24	27	23	20			17
7	57	44	35	29	52	41	33	28	35	29	25	30	25	22	25	21	18			16
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17			15
9	50	37	29	24	46	35	28	23	31	25	21	26	22	18	23	19	16			14
10	47	35	27	22	44	33	26	21	29	23	19	25	20	17	21	18	15			13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30046
5°	15189
10°	2723
15°	866
20°	543
25°	439
30°	383
35°	352
40°	340
45°	333
50°	329
55°	327
60°	328
65°	332
70°	337
75°	346
80°	351
85°	360

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 366 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	7.5
10°-20°	11.3	3.3
20°-30°	10.6	3.1
30°-40°	14.0	4.1
40°-50°	18.4	5.3
50°-60°	22.9	6.6
60°-70°	27.1	7.8
70°-80°	30.6	8.9
80°-90°	32.6	9.4
90°-100°	32.6	9.4
100°-110°	30.8	8.9
110°-120°	27.5	8.0
120°-130°	22.7	6.6
130°-140°	17.1	5.0
140°-150°	11.7	3.4
150°-160°	6.6	1.9
160°-170°	2.6	0.8
170°-180°	0.2	0.1
0°-30°	47.8	13.8
0°-40°	61.8	17.9
0°-60°	103.2	29.9
0°-90°	193.4	56.0
90°-120°	90.8	26.3
90°-150°	142.3	41.2
90°-180°	152.0	44.0
0°-180°	345.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	586	
5°	403	26
15°	35	11
25°	23	11
35°	22	14
45°	24	18
55°	26	23
65°	27	27
75°	29	31
85°	30	24
90°	30	16
95°	30	24
105°	29	31
115°	28	27
125°	25	23
135°	22	17
145°	19	12
155°	14	7
165°	9	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	586.3
2.5°	647.7
5°	403.3
7.5°	133.7
10°	90.9
12.5°	49.8
15°	34.6
17.5°	28.6
20°	25.1
22.5°	23.8
25°	22.9
27.5°	22.1
30°	22.1
32.5°	22.1
35°	22.1
37.5°	22.5
40°	22.9
42.5°	23.4
45°	23.8
47.5°	24.2
50°	24.7
52.5°	25.1
55°	25.5
57.5°	26.0
60°	26.4
62.5°	26.8
65°	27.3
67.5°	27.7
70°	28.1
72.5°	28.6
75°	29.0
77.5°	29.4
80°	29.4
82.5°	29.9
85°	29.9
87.5°	29.9
90°	29.9
92.5°	29.9
95°	29.9
97.5°	29.9
100°	29.4
102.5°	29.4
105°	29.0
107.5°	29.0
110°	28.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.1
115°	27.7
117.5°	27.3
120°	26.4
122.5°	26.0
125°	25.1
127.5°	24.7
130°	23.8
132.5°	22.9
135°	22.1
137.5°	21.2
140°	20.3
142.5°	19.5
145°	18.6
147.5°	17.7
150°	16.4
152.5°	15.1
155°	14.3
157.5°	13.0
160°	11.7
162.5°	10.8
165°	9.1
167.5°	7.4
170°	5.2
172.5°	3.0
175°	0.9
177.5°	0.0
180°	0.0

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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	3.5	4.5	4.4	5.5	6.6	3.5	4.5	4.4	5.5	6.6
	3H	6.5	7.5	7.4	8.4	9.6	6.5	7.5	7.4	8.4	9.6
	4H	8.0	8.9	8.9	9.9	11.1	8.0	8.9	8.9	9.9	11.1
	6H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	8H	10.2	11.0	11.1	12.0	13.2	10.2	11.0	11.1	12.0	13.2
	12H	10.9	11.7	11.8	12.6	13.9	10.9	11.7	11.8	12.6	13.9
4H	2H	4.3	5.2	5.2	6.1	7.3	4.3	5.2	5.2	6.1	7.3
	3H	7.5	8.3	8.4	9.2	10.5	7.5	8.3	8.4	9.2	10.5
	4H	9.1	9.9	10.1	10.8	12.1	9.1	9.9	10.1	10.8	12.1
	6H	10.8	11.4	11.7	12.4	13.7	10.8	11.4	11.7	12.4	13.7
	8H	11.6	12.2	12.5	13.2	14.4	11.6	12.2	12.5	13.2	14.4
	12H	12.4	12.9	13.3	13.9	15.2	12.4	12.9	13.3	13.9	15.2
8H	4H	9.7	10.3	10.6	11.3	12.5	9.7	10.3	10.6	11.3	12.5
	6H	11.5	12.0	12.5	13.1	14.3	11.5	12.0	12.5	13.1	14.3
	8H	12.5	13.0	13.4	13.9	15.2	12.5	13.0	13.4	13.9	15.2
	12H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
12H	4H	9.8	10.4	10.7	11.3	12.6	9.8	10.4	10.7	11.3	12.6
	6H	11.7	12.2	12.7	13.2	14.5	11.7	12.2	12.7	13.2	14.5
	8H	12.7	13.2	13.7	14.2	15.5	12.7	13.2	13.7	14.2	15.5

(END OF REPORT)