

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: P1244815

Luminaire Tested: PRLX-MIN-L-930-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-930-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

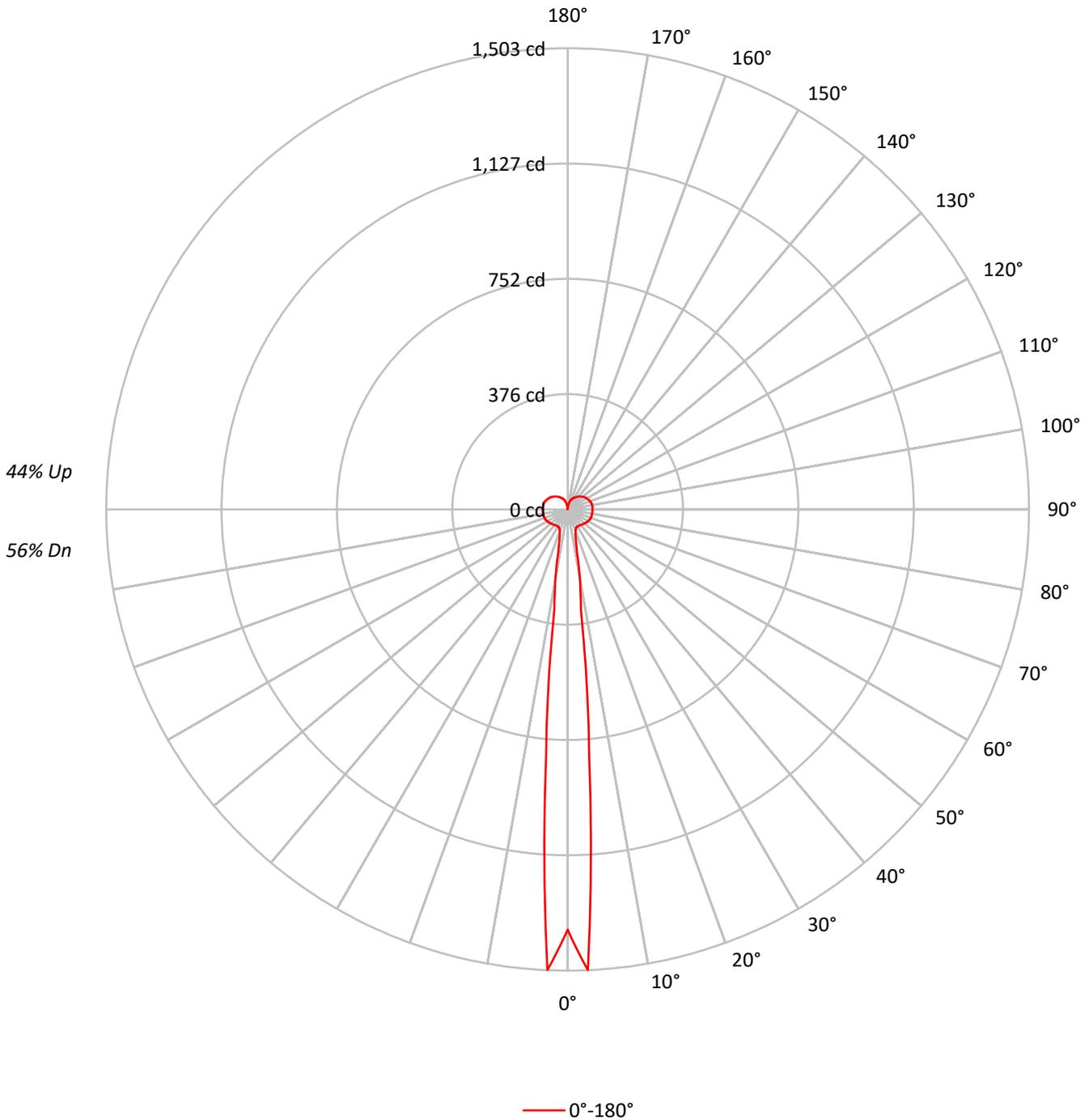
Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43335
5°	19871
10°	4631
15°	1768
20°	1142
25°	910
30°	808
35°	755
40°	730
45°	718
50°	713
55°	717
60°	722
65°	733
70°	740
75°	747
80°	749
85°	763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	6.1
10°-20°	31.8	3.4
20°-30°	31.0	3.3
30°-40°	40.7	4.3
40°-50°	53.3	5.6
50°-60°	66.4	7.0
60°-70°	78.1	8.3
70°-80°	85.4	9.0
80°-90°	88.3	9.3
90°-100°	88.4	9.4
100°-110°	84.1	8.9
110°-120°	74.4	7.9
120°-130°	61.2	6.5
130°-140°	46.2	4.9
140°-150°	31.2	3.3
150°-160°	18.3	1.9
160°-170°	7.5	0.8
170°-180°	0.7	0.1
0°-30°	120.6	12.8
0°-40°	161.3	17.1
0°-60°	281.0	29.7
0°-90°	532.8	56.4
90°-120°	246.9	26.1
90°-150°	385.6	40.8
90°-180°	412.0	43.6
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1370	
5°	806	58
15°	102	32
25°	66	31
35°	64	41
45°	69	53
55°	74	66
65°	79	78
75°	81	85
85°	81	66
90°	81	44
95°	81	66
105°	80	84
115°	75	74
125°	68	61
135°	60	46
145°	49	31
155°	39	18
165°	27	8
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1369.8
2.5°	1502.6
5°	805.6
7.5°	327.9
10°	227.7
12.5°	139.5
15°	101.5
17.5°	84.5
20°	74.5
22.5°	69.3
25°	66.0
27.5°	64.5
30°	64.1
32.5°	64.1
35°	64.5
37.5°	65.0
40°	66.4
42.5°	67.4
45°	68.8
47.5°	70.2
50°	71.2
52.5°	72.6
55°	74.0
57.5°	75.4
60°	76.4
62.5°	77.8
65°	78.8
67.5°	79.7
70°	80.2
72.5°	80.7
75°	81.1
77.5°	80.7
80°	80.7
82.5°	80.7
85°	81.1
87.5°	81.1
90°	81.1
92.5°	81.1
95°	81.1
97.5°	81.1
100°	80.7
102.5°	80.2
105°	79.7
107.5°	78.8
110°	77.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76.4
115°	75.0
117.5°	73.5
120°	71.6
122.5°	70.2
125°	68.3
127.5°	66.4
130°	64.1
132.5°	62.2
135°	59.8
137.5°	56.9
140°	54.6
142.5°	52.2
145°	49.3
147.5°	47.0
150°	44.6
152.5°	41.8
155°	39.4
157.5°	36.5
160°	33.7
162.5°	30.4
165°	26.6
167.5°	21.4
170°	14.7
172.5°	9.0
175°	3.8
177.5°	0.9
180°	0.5



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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	6.5	7.5	7.3	8.4	9.6	6.5	7.5	7.3	8.4	9.6
	3H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	4H	10.9	11.8	11.8	12.7	13.9	10.9	11.8	11.8	12.7	13.9
	6H	12.3	13.2	13.2	14.1	15.3	12.3	13.2	13.2	14.1	15.3
	8H	13.0	13.8	13.9	14.7	16.0	13.0	13.8	13.9	14.7	16.0
	12H	13.6	14.4	14.5	15.4	16.6	13.6	14.4	14.5	15.4	16.6
4H	2H	7.2	8.2	8.1	9.1	10.3	7.2	8.2	8.1	9.1	10.3
	3H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	4H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
	6H	13.6	14.2	14.5	15.2	16.4	13.6	14.2	14.5	15.2	16.4
	8H	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
	12H	15.1	15.7	16.0	16.6	17.9	15.1	15.7	16.0	16.6	17.9
8H	4H	12.5	13.1	13.4	14.1	15.4	12.5	13.1	13.4	14.1	15.4
	6H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
	8H	15.2	15.7	16.1	16.7	17.9	15.2	15.7	16.1	16.7	17.9
	12H	16.1	16.6	17.1	17.5	18.8	16.1	16.6	17.1	17.5	18.8
12H	4H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	6H	14.5	14.9	15.4	15.9	17.2	14.5	14.9	15.4	15.9	17.2
	8H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2

(END OF REPORT)