

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: P1244965

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-930-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

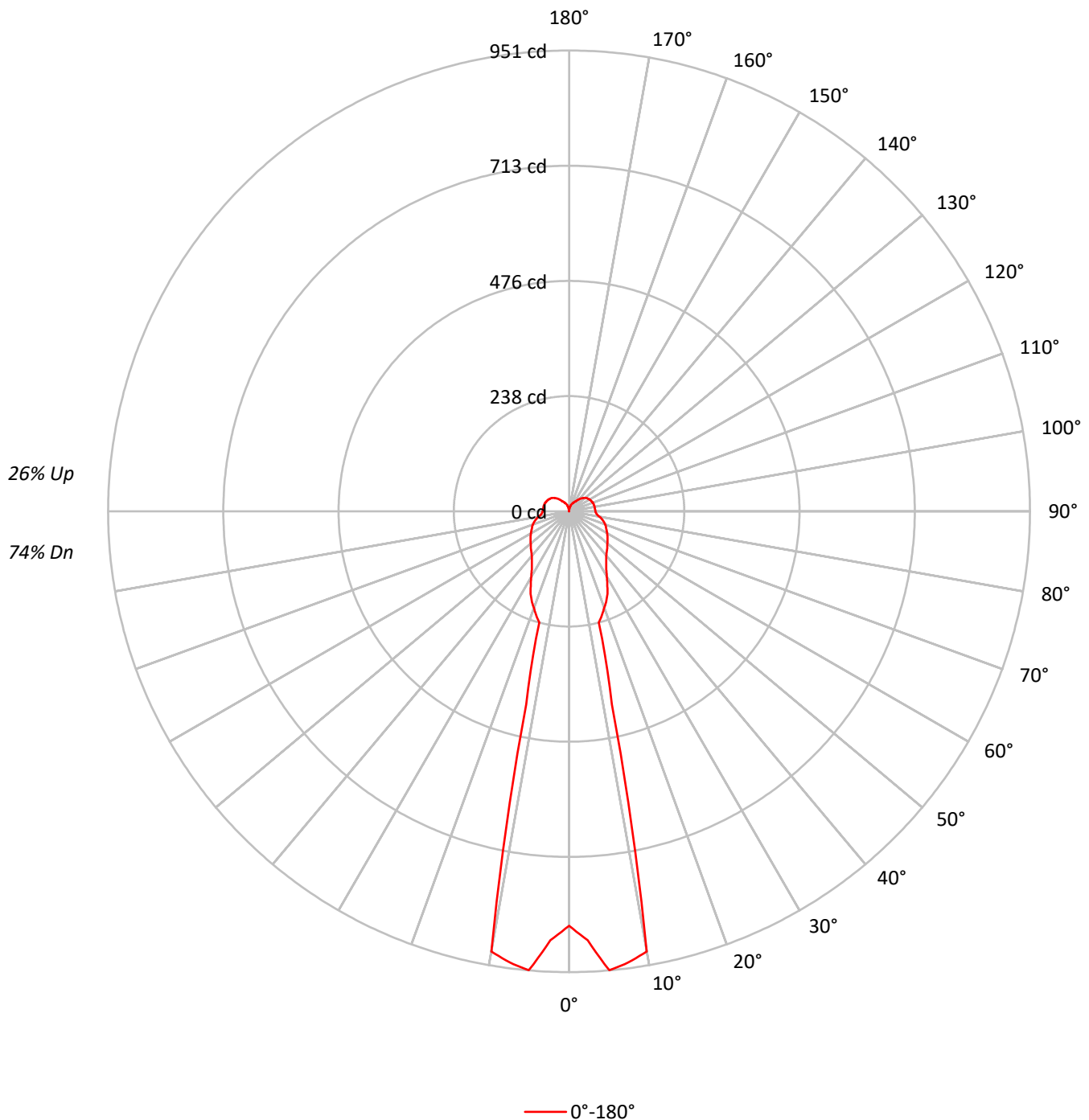
Lumens per Lamp: N/A
Luminaire Lumens: 1013.0 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74		
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58		
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49		
3	85	74	66	60	80	71	63	58	64	58	53	58	53	49	52	48	45	42		
4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37		
5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33		
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30		
7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28		
8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26		
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24		
10	53	41	34	29	50	39	33	28	37	31	27	34	29	26	32	27	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23566
5°	23440
10°	20731
15°	4935
20°	4125
25°	3463
30°	2752
35°	2274
40°	1983
45°	1809
50°	1664
55°	1560
60°	1467
65°	1384
70°	1323
75°	1241
80°	1135
85°	1058

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	8.8
10°-20°	93.6	9.2
20°-30°	85.2	8.4
30°-40°	84.3	8.3
40°-50°	85.8	8.5
50°-60°	86.9	8.6
60°-70°	84.2	8.3
70°-80°	76.1	7.5
80°-90°	62.6	6.2
90°-100°	58.7	5.8
100°-110°	56.0	5.5
110°-120°	50.1	4.9
120°-130°	41.5	4.1
130°-140°	29.6	2.9
140°-150°	17.0	1.7
150°-160°	8.9	0.9
160°-170°	3.4	0.3
170°-180°	0.3	0.0
0°-30°	267.5	26.4
0°-40°	351.9	34.7
0°-60°	524.6	51.8
0°-90°	747.6	73.8
90°-120°	164.8	16.3
90°-150°	252.9	25.0
90°-180°	265.0	26.2
0°-180°	1013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	855	
5°	951	89
15°	238	94
25°	188	85
35°	134	84
45°	111	86
55°	97	87
65°	85	84
75°	72	76
85°	57	48
90°	54	30
95°	54	44
105°	53	56
115°	50	50
125°	47	41
135°	38	30
145°	26	17
155°	19	9
165°	12	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	855.2
2.5°	886.2
5°	950.6
7.5°	939.0
10°	922.7
12.5°	408.2
15°	237.5
17.5°	225.0
20°	211.9
22.5°	201.0
25°	187.8
27.5°	170.7
30°	156.0
32.5°	142.8
35°	133.5
37.5°	125.7
40°	119.5
42.5°	114.8
45°	111.0
47.5°	107.1
50°	103.2
52.5°	100.1
55°	97.0
57.5°	93.9
60°	90.8
62.5°	87.7
65°	84.6
67.5°	82.3
70°	79.2
72.5°	76.0
75°	72.2
77.5°	68.3
80°	63.6
82.5°	59.0
85°	56.6
87.5°	55.1
90°	54.3
92.5°	54.3
95°	53.5
97.5°	53.5
100°	53.5
102.5°	53.5
105°	52.8
107.5°	52.8
110°	52.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.2
115°	50.4
117.5°	49.7
120°	48.9
122.5°	47.3
125°	46.6
127.5°	45.0
130°	42.7
132.5°	41.1
135°	38.0
137.5°	35.7
140°	32.6
142.5°	29.5
145°	26.4
147.5°	24.1
150°	22.5
152.5°	21.0
155°	18.6
157.5°	17.1
160°	15.5
162.5°	14.0
165°	11.6
167.5°	9.3
170°	6.2
172.5°	3.1
175°	0.8
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	10.2	11.4	10.9	12.1	13.0	10.2	11.4	10.9	12.1	13.0
	3H	12.5	13.6	13.3	14.3	15.3	12.5	13.6	13.3	14.3	15.3
	4H	13.6	14.6	14.3	15.3	16.3	13.6	14.6	14.3	15.3	16.3
	6H	14.6	15.5	15.3	16.3	17.2	14.6	15.5	15.3	16.3	17.2
	8H	15.0	15.9	15.7	16.6	17.6	15.0	15.9	15.7	16.6	17.6
	12H	15.4	16.2	16.2	17.0	18.0	15.4	16.2	16.2	17.0	18.0
4H	2H	10.8	11.8	11.6	12.6	13.5	10.8	11.8	11.6	12.6	13.5
	3H	13.4	14.2	14.1	15.0	15.9	13.4	14.2	14.1	15.0	15.9
	4H	14.6	15.3	15.3	16.1	17.1	14.6	15.3	15.3	16.1	17.1
	6H	15.7	16.4	16.5	17.2	18.2	15.7	16.4	16.5	17.2	18.2
	8H	16.2	16.8	17.0	17.7	18.6	16.2	16.8	17.0	17.7	18.6
	12H	16.7	17.3	17.5	18.1	19.1	16.7	17.3	17.5	18.1	19.1
8H	4H	14.9	15.6	15.7	16.4	17.4	14.9	15.6	15.7	16.4	17.4
	6H	16.2	16.8	17.1	17.7	18.6	16.2	16.8	17.1	17.7	18.6
	8H	16.9	17.4	17.7	18.2	19.2	16.9	17.4	17.7	18.2	19.2
	12H	17.5	18.0	18.4	18.8	19.9	17.5	18.0	18.4	18.8	19.9
12H	4H	15.0	15.6	15.8	16.4	17.4	15.0	15.6	15.8	16.4	17.4
	6H	16.4	16.9	17.2	17.7	18.7	16.4	16.9	17.2	17.7	18.7
	8H	17.1	17.5	17.9	18.3	19.4	17.1	17.5	17.9	18.3	19.4

(END OF REPORT)