

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: P1244959

Luminaire Tested: PRLX-MIN-S-930-05L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244959
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-930-05L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

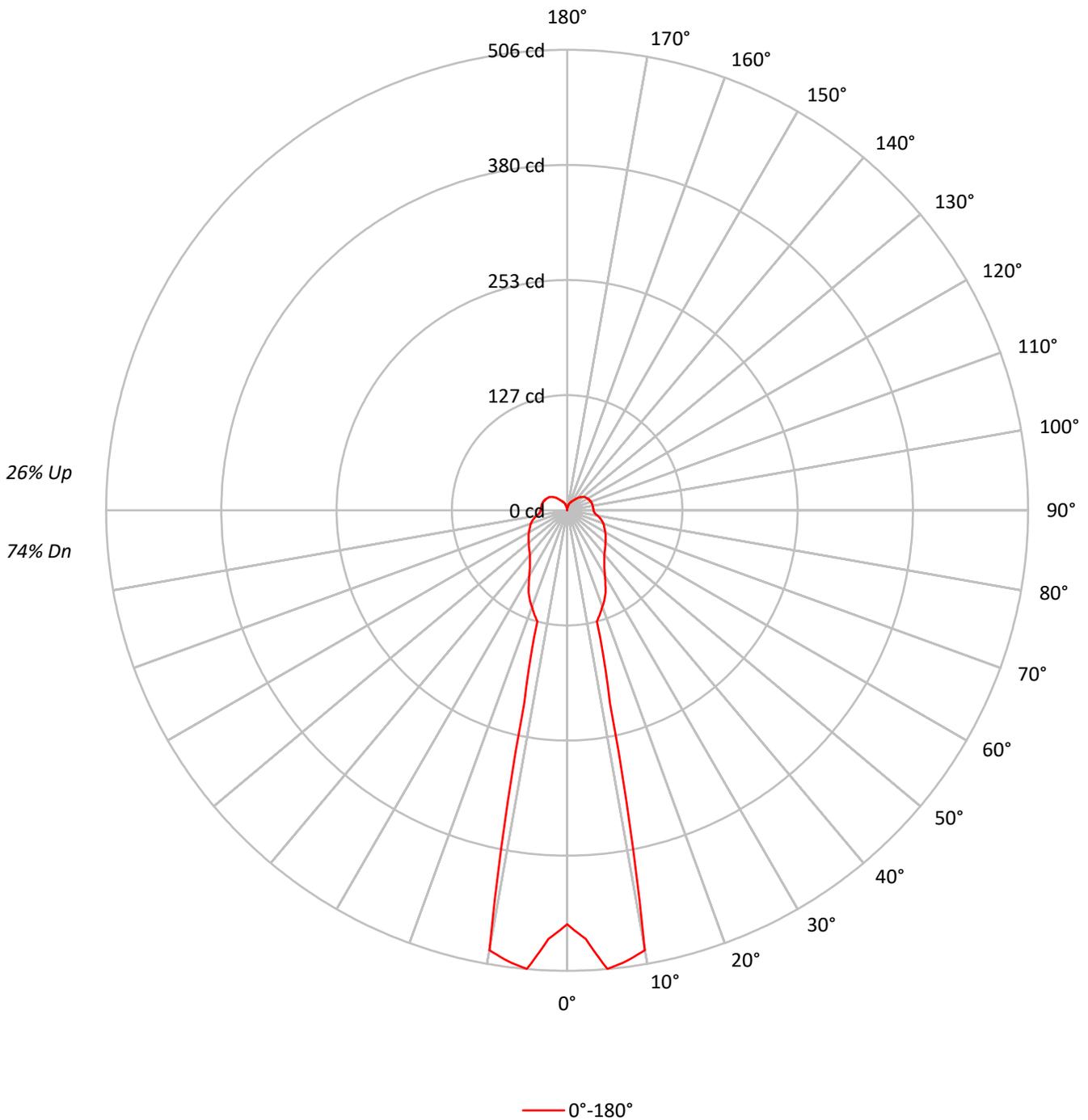
Lumens per Lamp: N/A
Luminaire Lumens: 539.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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	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°	12538
5°	12472
10°	11029
15°	2624
20°	2194
25°	1842
30°	1464
35°	1210
40°	1055
45°	961
50°	885
55°	830
60°	781
65°	736
70°	703
75°	660
80°	605
85°	563

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 961 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	8.8
10°-20°	49.8	9.2
20°-30°	45.3	8.4
30°-40°	44.9	8.3
40°-50°	45.7	8.5
50°-60°	46.3	8.6
60°-70°	44.8	8.3
70°-80°	40.5	7.5
80°-90°	33.3	6.2
90°-100°	31.3	5.8
100°-110°	29.8	5.5
110°-120°	26.7	4.9
120°-130°	22.1	4.1
130°-140°	15.8	2.9
140°-150°	9.0	1.7
150°-160°	4.7	0.9
160°-170°	1.8	0.3
170°-180°	0.1	0.0
0°-30°	142.3	26.4
0°-40°	187.2	34.7
0°-60°	279.1	51.8
0°-90°	397.7	73.8
90°-120°	87.7	16.3
90°-150°	134.6	25.0
90°-180°	141.0	26.2
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	455	
5°	506	47
15°	126	50
25°	100	45
35°	71	45
45°	59	46
55°	52	46
65°	45	45
75°	38	40
85°	30	25
90°	29	16
95°	28	23
105°	28	30
115°	27	27
125°	25	22
135°	20	16
145°	14	9
155°	10	5
165°	6	2
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	455.0
2.5°	471.5
5°	505.8
7.5°	499.6
10°	490.9
12.5°	217.2
15°	126.3
17.5°	119.7
20°	112.7
22.5°	106.9
25°	99.9
27.5°	90.8
30°	83.0
32.5°	76.0
35°	71.0
37.5°	66.9
40°	63.6
42.5°	61.1
45°	59.0
47.5°	57.0
50°	54.9
52.5°	53.3
55°	51.6
57.5°	50.0
60°	48.3
62.5°	46.7
65°	45.0
67.5°	43.8
70°	42.1
72.5°	40.5
75°	38.4
77.5°	36.3
80°	33.9
82.5°	31.4
85°	30.1
87.5°	29.3
90°	28.9
92.5°	28.9
95°	28.5
97.5°	28.5
100°	28.5
102.5°	28.5
105°	28.1
107.5°	28.1
110°	27.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	27.3
115°	26.8
117.5°	26.4
120°	26.0
122.5°	25.2
125°	24.8
127.5°	23.9
130°	22.7
132.5°	21.9
135°	20.2
137.5°	19.0
140°	17.3
142.5°	15.7
145°	14.0
147.5°	12.8
150°	12.0
152.5°	11.1
155°	9.9
157.5°	9.1
160°	8.3
162.5°	7.4
165°	6.2
167.5°	5.0
170°	3.3
172.5°	1.7
175°	0.4
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	8.0	9.2	8.7	9.9	10.8	8.0	9.2	8.7	9.9	10.8
	3H	10.3	11.4	11.1	12.1	13.1	10.3	11.4	11.1	12.1	13.1
	4H	11.4	12.4	12.1	13.2	14.1	11.4	12.4	12.1	13.2	14.1
	6H	12.4	13.3	13.1	14.1	15.0	12.4	13.3	13.1	14.1	15.0
	8H	12.8	13.7	13.5	14.5	15.4	12.8	13.7	13.5	14.5	15.4
	12H	13.2	14.0	14.0	14.8	15.8	13.2	14.0	14.0	14.8	15.8
4H	2H	8.6	9.6	9.4	10.4	11.3	8.6	9.6	9.4	10.4	11.3
	3H	11.2	12.0	11.9	12.8	13.8	11.2	12.0	11.9	12.8	13.8
	4H	12.4	13.1	13.1	13.9	14.9	12.4	13.1	13.1	13.9	14.9
	6H	13.5	14.2	14.3	15.0	16.0	13.5	14.2	14.3	15.0	16.0
	8H	14.0	14.6	14.8	15.5	16.4	14.0	14.6	14.8	15.5	16.4
	12H	14.5	15.1	15.3	15.9	16.9	14.5	15.1	15.3	15.9	16.9
8H	4H	12.7	13.4	13.5	14.2	15.2	12.7	13.4	13.5	14.2	15.2
	6H	14.0	14.6	14.9	15.5	16.4	14.0	14.6	14.9	15.5	16.4
	8H	14.7	15.2	15.5	16.0	17.0	14.7	15.2	15.5	16.0	17.0
	12H	15.3	15.8	16.2	16.6	17.7	15.3	15.8	16.2	16.6	17.7
12H	4H	12.8	13.4	13.6	14.2	15.2	12.8	13.4	13.6	14.2	15.2
	6H	14.2	14.7	15.0	15.5	16.5	14.2	14.7	15.0	15.5	16.5
	8H	14.9	15.3	15.7	16.2	17.2	14.9	15.3	15.7	16.2	17.2

(END OF REPORT)