

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: P1244974

Luminaire Tested: PRLX-MIN-S-935-05L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244974
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-935-05L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

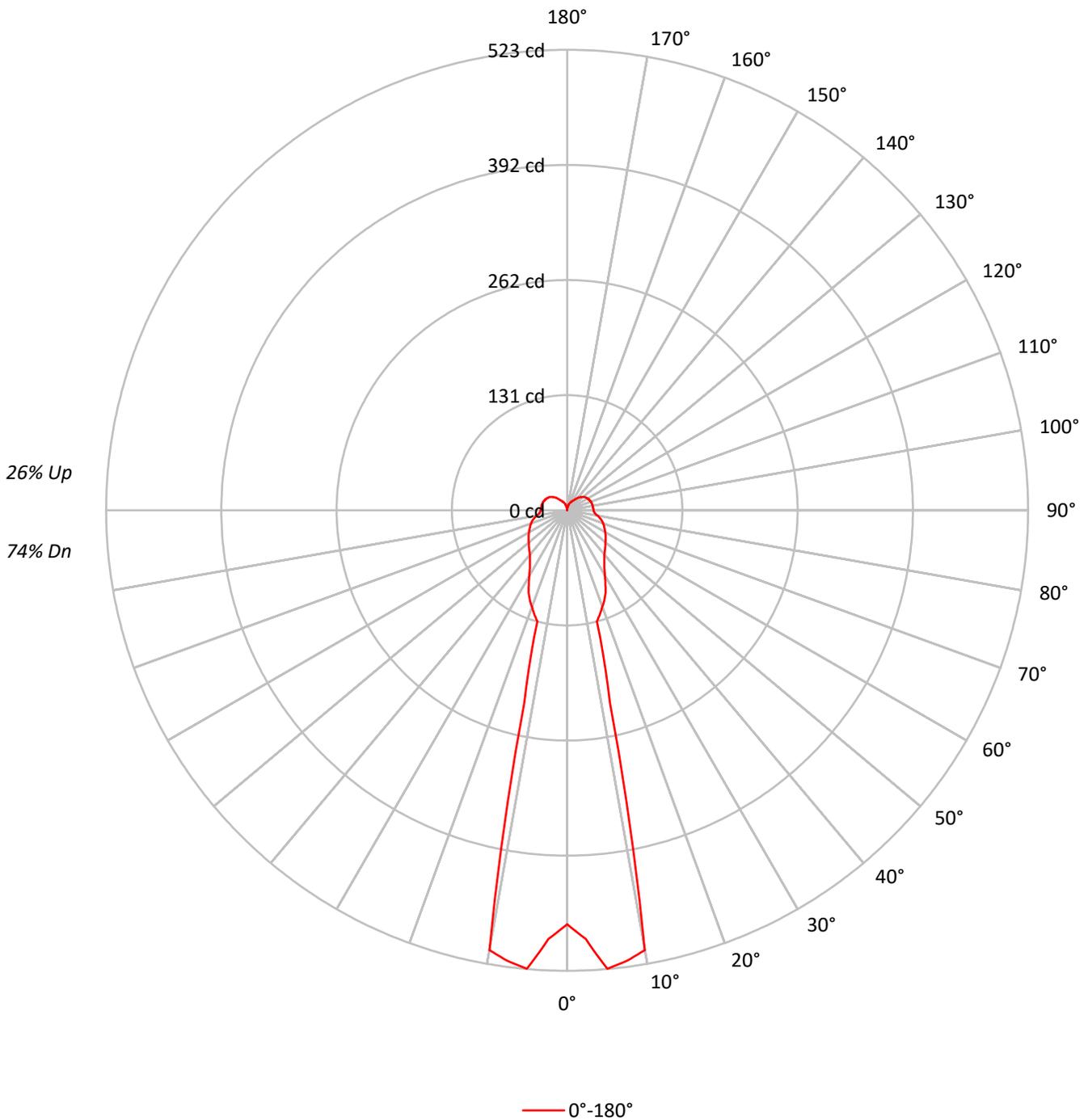
Lumens per Lamp: N/A
Luminaire Lumens: 556.9 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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°	12957
5°	12889
10°	11398
15°	2714
20°	2268
25°	1905
30°	1514
35°	1251
40°	1090
45°	994
50°	914
55°	857
60°	806
65°	761
70°	727
75°	682
80°	625
85°	582

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	8.8
10°-20°	51.5	9.2
20°-30°	46.9	8.4
30°-40°	46.4	8.3
40°-50°	47.2	8.5
50°-60°	47.8	8.6
60°-70°	46.3	8.3
70°-80°	41.8	7.5
80°-90°	34.4	6.2
90°-100°	32.3	5.8
100°-110°	30.8	5.5
110°-120°	27.5	4.9
120°-130°	22.8	4.1
130°-140°	16.3	2.9
140°-150°	9.3	1.7
150°-160°	4.9	0.9
160°-170°	1.9	0.3
170°-180°	0.1	0.0
0°-30°	147.1	26.4
0°-40°	193.5	34.7
0°-60°	288.4	51.8
0°-90°	411.0	73.8
90°-120°	90.6	16.3
90°-150°	139.0	25.0
90°-180°	146.0	26.2
0°-180°	556.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	470	
5°	523	49
15°	131	51
25°	103	47
35°	73	46
45°	61	47
55°	53	48
65°	46	46
75°	40	42
85°	31	26
90°	30	16
95°	29	24
105°	29	31
115°	28	28
125°	26	23
135°	21	16
145°	14	9
155°	10	5
165°	6	2
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	470.2
2.5°	487.3
5°	522.7
7.5°	516.3
10°	507.3
12.5°	224.4
15°	130.6
17.5°	123.7
20°	116.5
22.5°	110.5
25°	103.3
27.5°	93.9
30°	85.8
32.5°	78.5
35°	73.4
37.5°	69.1
40°	65.7
42.5°	63.2
45°	61.0
47.5°	58.9
50°	56.7
52.5°	55.0
55°	53.3
57.5°	51.6
60°	49.9
62.5°	48.2
65°	46.5
67.5°	45.2
70°	43.5
72.5°	41.8
75°	39.7
77.5°	37.5
80°	35.0
82.5°	32.4
85°	31.1
87.5°	30.3
90°	29.9
92.5°	29.9
95°	29.4
97.5°	29.4
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°	28.2
115°	27.7
117.5°	27.3
120°	26.9
122.5°	26.0
125°	25.6
127.5°	24.7
130°	23.5
132.5°	22.6
135°	20.9
137.5°	19.6
140°	17.9
142.5°	16.2
145°	14.5
147.5°	13.2
150°	12.4
152.5°	11.5
155°	10.2
157.5°	9.4
160°	8.5
162.5°	7.7
165°	6.4
167.5°	5.1
170°	3.4
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	8.1	9.3	8.9	10.0	10.9	8.1	9.3	8.9	10.0	10.9
	3H	10.5	11.5	11.2	12.3	13.2	10.5	11.5	11.2	12.3	13.2
	4H	11.5	12.5	12.3	13.3	14.2	11.5	12.5	12.3	13.3	14.2
	6H	12.5	13.4	13.2	14.2	15.1	12.5	13.4	13.2	14.2	15.1
	8H	12.9	13.8	13.7	14.6	15.5	12.9	13.8	13.7	14.6	15.5
	12H	13.3	14.1	14.1	14.9	15.9	13.3	14.1	14.1	14.9	15.9
4H	2H	8.7	9.7	9.5	10.5	11.4	8.7	9.7	9.5	10.5	11.4
	3H	11.3	12.1	12.0	12.9	13.9	11.3	12.1	12.0	12.9	13.9
	4H	12.5	13.3	13.2	14.1	15.0	12.5	13.3	13.2	14.1	15.0
	6H	13.6	14.3	14.4	15.1	16.1	13.6	14.3	14.4	15.1	16.1
	8H	14.1	14.8	14.9	15.6	16.6	14.1	14.8	14.9	15.6	16.6
	12H	14.6	15.2	15.4	16.0	17.0	14.6	15.2	15.4	16.0	17.0
8H	4H	12.9	13.5	13.7	14.3	15.3	12.9	13.5	13.7	14.3	15.3
	6H	14.2	14.7	15.0	15.6	16.6	14.2	14.7	15.0	15.6	16.6
	8H	14.8	15.3	15.6	16.1	17.1	14.8	15.3	15.6	16.1	17.1
	12H	15.4	15.9	16.3	16.7	17.8	15.4	15.9	16.3	16.7	17.8
12H	4H	12.9	13.5	13.7	14.4	15.3	12.9	13.5	13.7	14.4	15.3
	6H	14.3	14.8	15.1	15.6	16.7	14.3	14.8	15.1	15.6	16.7
	8H	15.0	15.4	15.8	16.3	17.3	15.0	15.4	15.8	16.3	17.3

(END OF REPORT)