

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: P1244973

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244973
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

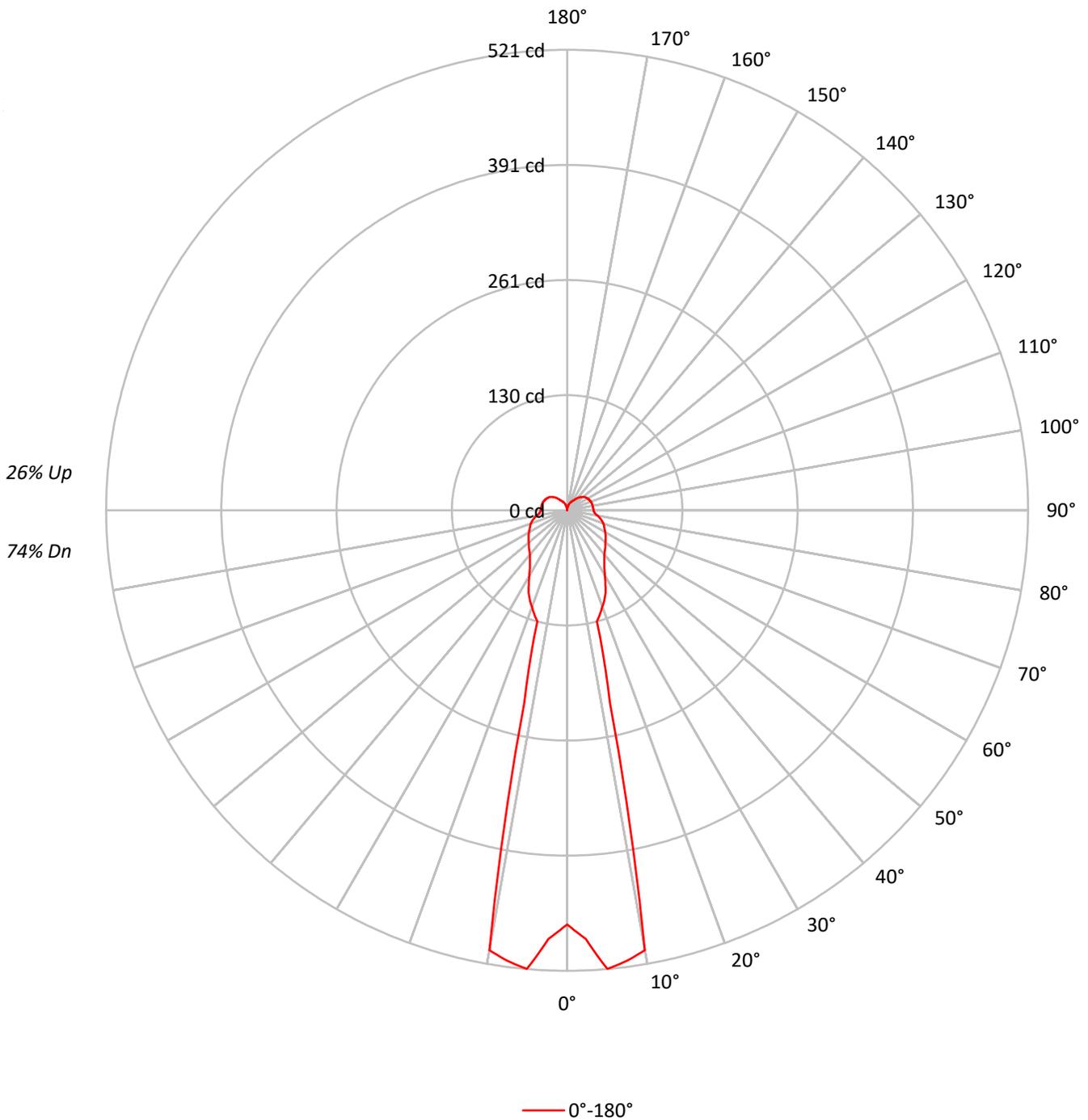
Lumens per Lamp: N/A
Luminaire Lumens: 555.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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	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°	12910
5°	12842
10°	11357
15°	2703
20°	2260
25°	1897
30°	1508
35°	1245
40°	1087
45°	991
50°	911
55°	854
60°	803
65°	758
70°	725
75°	679
80°	623
85°	580

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 991 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	8.8
10°-20°	51.3	9.2
20°-30°	46.7	8.4
30°-40°	46.2	8.3
40°-50°	47.0	8.5
50°-60°	47.6	8.6
60°-70°	46.1	8.3
70°-80°	41.7	7.5
80°-90°	34.3	6.2
90°-100°	32.2	5.8
100°-110°	30.7	5.5
110°-120°	27.4	4.9
120°-130°	22.7	4.1
130°-140°	16.2	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°	146.6	26.4
0°-40°	192.8	34.7
0°-60°	287.4	51.8
0°-90°	409.5	73.8
90°-120°	90.3	16.3
90°-150°	138.6	25.0
90°-180°	145.0	26.1
0°-180°	555.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	468	
5°	521	49
15°	130	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	27
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°	468.5
2.5°	485.5
5°	520.8
7.5°	514.4
10°	505.5
12.5°	223.6
15°	130.1
17.5°	123.3
20°	116.1
22.5°	110.1
25°	102.9
27.5°	93.5
30°	85.5
32.5°	78.2
35°	73.1
37.5°	68.9
40°	65.5
42.5°	62.9
45°	60.8
47.5°	58.7
50°	56.5
52.5°	54.8
55°	53.1
57.5°	51.4
60°	49.7
62.5°	48.0
65°	46.3
67.5°	45.1
70°	43.4
72.5°	41.7
75°	39.5
77.5°	37.4
80°	34.9
82.5°	32.3
85°	31.0
87.5°	30.2
90°	29.8
92.5°	29.8
95°	29.3
97.5°	29.3
100°	29.3
102.5°	29.3
105°	28.9
107.5°	28.9
110°	28.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	28.1
115°	27.6
117.5°	27.2
120°	26.8
122.5°	25.9
125°	25.5
127.5°	24.7
130°	23.4
132.5°	22.5
135°	20.8
137.5°	19.6
140°	17.9
142.5°	16.2
145°	14.5
147.5°	13.2
150°	12.3
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	8.8	10.0	10.9	8.1	9.3	8.8	10.0	10.9
	3H	10.4	11.5	11.2	12.2	13.2	10.4	11.5	11.2	12.2	13.2
	4H	11.5	12.5	12.2	13.3	14.2	11.5	12.5	12.2	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	13.6	14.6	15.5	12.9	13.8	13.6	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	13.2	13.2	14.0	15.0	12.5	13.2	13.2	14.0	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	14.7	14.9	15.6	16.5	14.1	14.7	14.9	15.6	16.5
	12H	14.6	15.2	15.4	16.0	17.0	14.6	15.2	15.4	16.0	17.0
8H	4H	12.8	13.5	13.6	14.3	15.3	12.8	13.5	13.6	14.3	15.3
	6H	14.1	14.7	15.0	15.6	16.5	14.1	14.7	15.0	15.6	16.5
	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	14.3	15.3	12.9	13.5	13.7	14.3	15.3
	6H	14.3	14.8	15.1	15.6	16.6	14.3	14.8	15.1	15.6	16.6
	8H	15.0	15.4	15.8	16.3	17.3	15.0	15.4	15.8	16.3	17.3

(END OF REPORT)