

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: P1244979

Luminaire Tested: PRLX-MIN-S-935-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244979
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-935-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

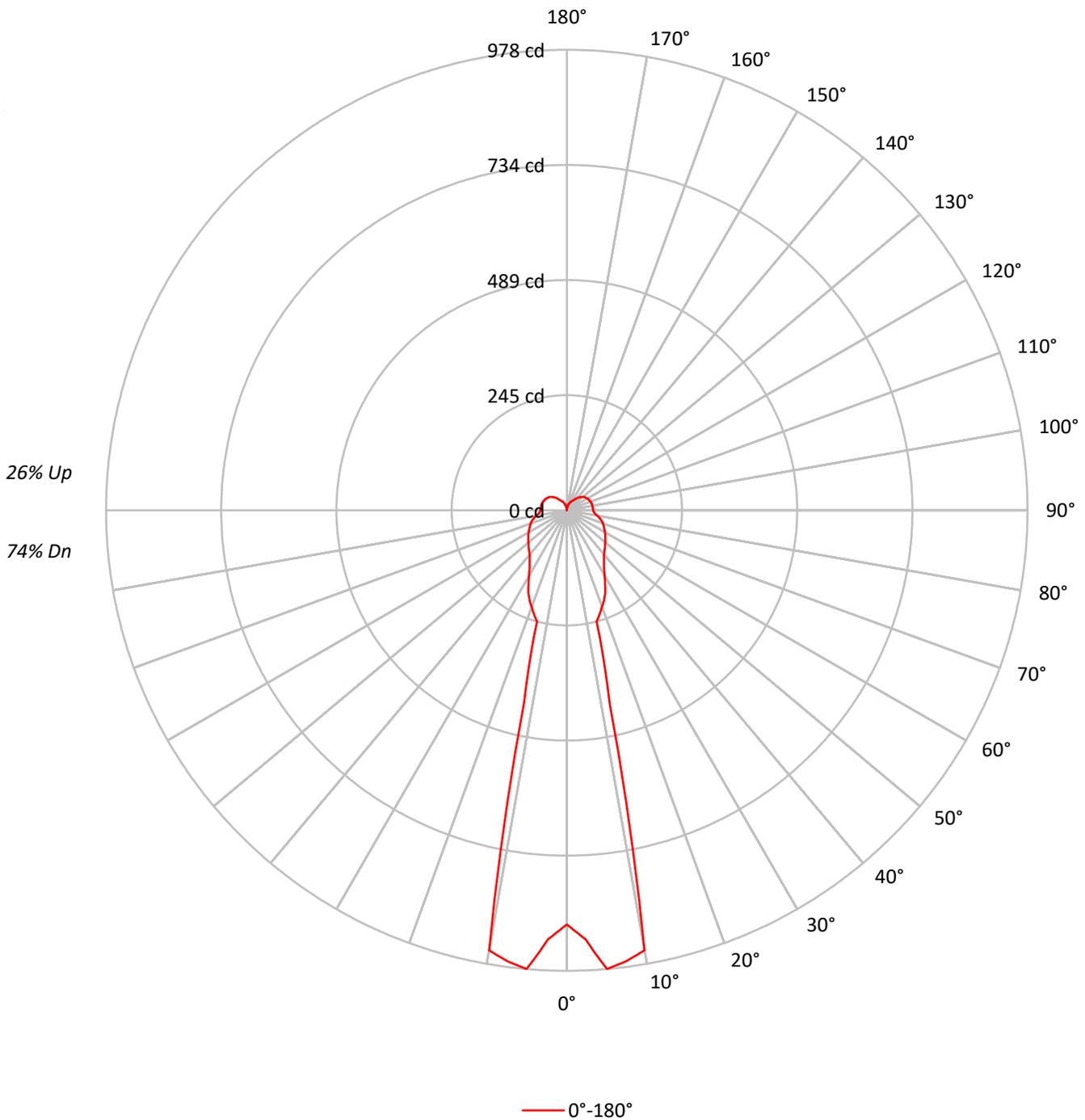
Lumens per Lamp: N/A
Luminaire Lumens: 1042.1 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (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°	24238
5°	24111
10°	21324
15°	5076
20°	4241
25°	3562
30°	2830
35°	2339
40°	2039
45°	1859
50°	1712
55°	1605
60°	1509
65°	1424
70°	1360
75°	1275
80°	1169
85°	1090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1859 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	8.8
10°-20°	96.3	9.2
20°-30°	87.7	8.4
30°-40°	86.7	8.3
40°-50°	88.3	8.5
50°-60°	89.4	8.6
60°-70°	86.6	8.3
70°-80°	78.2	7.5
80°-90°	64.5	6.2
90°-100°	60.4	5.8
100°-110°	57.7	5.5
110°-120°	51.5	4.9
120°-130°	42.7	4.1
130°-140°	30.5	2.9
140°-150°	17.5	1.7
150°-160°	9.1	0.9
160°-170°	3.5	0.3
170°-180°	0.3	0.0
0°-30°	275.2	26.4
0°-40°	361.9	34.7
0°-60°	539.7	51.8
0°-90°	768.9	73.8
90°-120°	169.6	16.3
90°-150°	260.3	25.0
90°-180°	273.0	26.2
0°-180°	1042.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	880	
5°	978	91
15°	244	96
25°	193	88
35°	137	87
45°	114	88
55°	100	89
65°	87	87
75°	74	78
85°	58	49
90°	56	31
95°	55	45
105°	54	58
115°	52	52
125°	48	43
135°	39	30
145°	27	17
155°	19	9
165°	12	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	879.6
2.5°	911.6
5°	977.8
7.5°	965.8
10°	949.1
12.5°	419.9
15°	244.3
17.5°	231.5
20°	217.9
22.5°	206.7
25°	193.2
27.5°	175.6
30°	160.4
32.5°	146.9
35°	137.3
37.5°	129.3
40°	122.9
42.5°	118.1
45°	114.1
47.5°	110.2
50°	106.2
52.5°	103.0
55°	99.8
57.5°	96.6
60°	93.4
62.5°	90.2
65°	87.0
67.5°	84.6
70°	81.4
72.5°	78.2
75°	74.2
77.5°	70.2
80°	65.5
82.5°	60.7
85°	58.3
87.5°	56.7
90°	55.9
92.5°	55.9
95°	55.1
97.5°	55.1
100°	55.1
102.5°	55.1
105°	54.3
107.5°	54.3
110°	53.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.7
115°	51.9
117.5°	51.1
120°	50.3
122.5°	48.7
125°	47.9
127.5°	46.3
130°	43.9
132.5°	42.3
135°	39.1
137.5°	36.7
140°	33.5
142.5°	30.3
145°	27.1
147.5°	24.7
150°	23.1
152.5°	21.6
155°	19.2
157.5°	17.6
160°	16.0
162.5°	14.4
165°	12.0
167.5°	9.6
170°	6.4
172.5°	3.2
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	10.3	11.5	11.0	12.2	13.1	10.3	11.5	11.0	12.2	13.1
	3H	12.6	13.7	13.4	14.4	15.3	12.6	13.7	13.4	14.4	15.3
	4H	13.7	14.7	14.4	15.4	16.4	13.7	14.7	14.4	15.4	16.4
	6H	14.6	15.6	15.4	16.3	17.3	14.6	15.6	15.4	16.3	17.3
	8H	15.1	16.0	15.8	16.7	17.7	15.1	16.0	15.8	16.7	17.7
	12H	15.5	16.3	16.3	17.1	18.1	15.5	16.3	16.3	17.1	18.1
4H	2H	10.9	11.9	11.7	12.7	13.6	10.9	11.9	11.7	12.7	13.6
	3H	13.4	14.3	14.2	15.1	16.0	13.4	14.3	14.2	15.1	16.0
	4H	14.6	15.4	15.4	16.2	17.2	14.6	15.4	15.4	16.2	17.2
	6H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
	8H	16.3	16.9	17.1	17.7	18.7	16.3	16.9	17.1	17.7	18.7
	12H	16.8	17.4	17.6	18.2	19.2	16.8	17.4	17.6	18.2	19.2
8H	4H	15.0	15.7	15.8	16.5	17.5	15.0	15.7	15.8	16.5	17.5
	6H	16.3	16.9	17.2	17.7	18.7	16.3	16.9	17.2	17.7	18.7
	8H	17.0	17.5	17.8	18.3	19.3	17.0	17.5	17.8	18.3	19.3
	12H	17.6	18.1	18.5	18.9	20.0	17.6	18.1	18.5	18.9	20.0
12H	4H	15.1	15.7	15.9	16.5	17.5	15.1	15.7	15.9	16.5	17.5
	6H	16.5	17.0	17.3	17.8	18.8	16.5	17.0	17.3	17.8	18.8
	8H	17.2	17.6	18.0	18.4	19.5	17.2	17.6	18.0	18.4	19.5

(END OF REPORT)