

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: P1244982

Luminaire Tested: PRLX-MIN-S-935-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244982
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-935-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

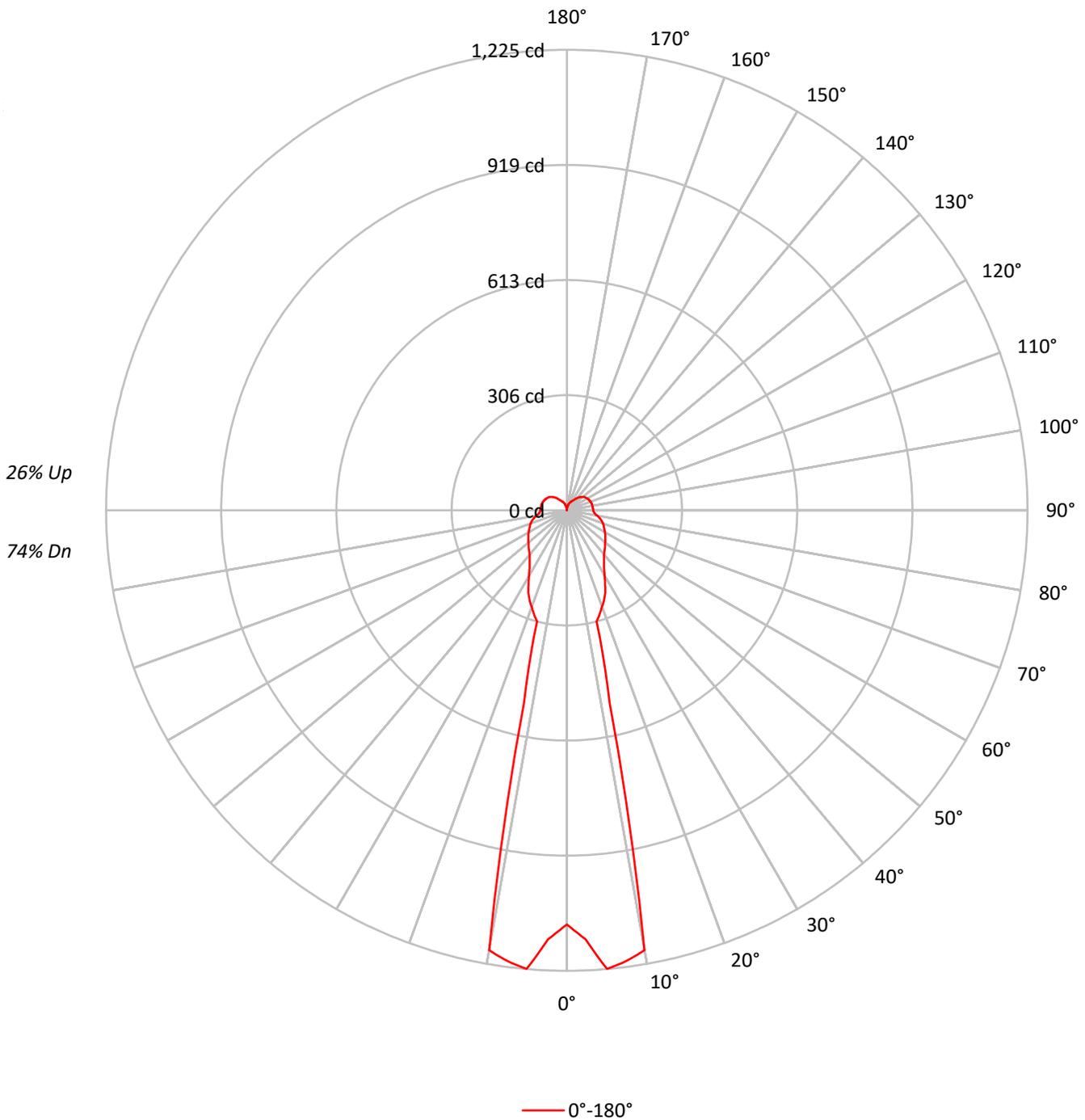
Lumens per Lamp: N/A
Luminaire Lumens: 1305.2 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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	66	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	45	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°	30358
5°	30197
10°	26705
15°	6356
20°	5312
25°	4460
30°	3544
35°	2929
40°	2555
45°	2330
50°	2145
55°	2010
60°	1891
65°	1784
70°	1704
75°	1599
80°	1463
85°	1365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	8.8
10°-20°	120.6	9.2
20°-30°	109.8	8.4
30°-40°	108.6	8.3
40°-50°	110.6	8.5
50°-60°	112.0	8.6
60°-70°	108.5	8.3
70°-80°	98.0	7.5
80°-90°	80.7	6.2
90°-100°	75.7	5.8
100°-110°	72.2	5.5
110°-120°	64.5	4.9
120°-130°	53.4	4.1
130°-140°	38.2	2.9
140°-150°	21.9	1.7
150°-160°	11.4	0.9
160°-170°	4.4	0.3
170°-180°	0.3	0.0
0°-30°	344.6	26.4
0°-40°	453.3	34.7
0°-60°	675.9	51.8
0°-90°	963.1	73.8
90°-120°	212.4	16.3
90°-150°	326.0	25.0
90°-180°	342.0	26.2
0°-180°	1305.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1102	
5°	1225	114
15°	306	121
25°	242	110
35°	172	109
45°	143	111
55°	125	112
65°	109	108
75°	93	98
85°	73	61
90°	70	39
95°	69	57
105°	68	72
115°	65	65
125°	60	53
135°	49	38
145°	34	22
155°	24	11
165°	15	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1101.7
2.5°	1141.7
5°	1224.6
7.5°	1209.6
10°	1188.6
12.5°	525.8
15°	305.9
17.5°	289.9
20°	272.9
22.5°	258.9
25°	241.9
27.5°	219.9
30°	200.9
32.5°	183.9
35°	171.9
37.5°	162.0
40°	154.0
42.5°	148.0
45°	143.0
47.5°	138.0
50°	133.0
52.5°	129.0
55°	125.0
57.5°	121.0
60°	117.0
62.5°	113.0
65°	109.0
67.5°	106.0
70°	102.0
72.5°	98.0
75°	93.0
77.5°	88.0
80°	82.0
82.5°	76.0
85°	73.0
87.5°	71.0
90°	70.0
92.5°	70.0
95°	69.0
97.5°	69.0
100°	69.0
102.5°	69.0
105°	68.0
107.5°	68.0
110°	67.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	66.0
115°	65.0
117.5°	64.0
120°	63.0
122.5°	61.0
125°	60.0
127.5°	58.0
130°	55.0
132.5°	53.0
135°	49.0
137.5°	46.0
140°	42.0
142.5°	38.0
145°	34.0
147.5°	31.0
150°	29.0
152.5°	27.0
155°	24.0
157.5°	22.0
160°	20.0
162.5°	18.0
165°	15.0
167.5°	12.0
170°	8.0
172.5°	4.0
175°	1.0
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	11.1	12.2	11.8	13.0	13.9	11.1	12.2	11.8	13.0	13.9
	3H	13.4	14.5	14.1	15.2	16.1	13.4	14.5	14.1	15.2	16.1
	4H	14.5	15.5	15.2	16.2	17.2	14.5	15.5	15.2	16.2	17.2
	6H	15.4	16.4	16.2	17.1	18.1	15.4	16.4	16.2	17.1	18.1
	8H	15.9	16.7	16.6	17.5	18.5	15.9	16.7	16.6	17.5	18.5
	12H	16.3	17.1	17.0	17.9	18.9	16.3	17.1	17.0	17.9	18.9
4H	2H	11.7	12.7	12.4	13.5	14.4	11.7	12.7	12.4	13.5	14.4
	3H	14.2	15.1	15.0	15.9	16.8	14.2	15.1	15.0	15.9	16.8
	4H	15.4	16.2	16.2	17.0	18.0	15.4	16.2	16.2	17.0	18.0
	6H	16.6	17.3	17.3	18.1	19.0	16.6	17.3	17.3	18.1	19.0
	8H	17.1	17.7	17.9	18.5	19.5	17.1	17.7	17.9	18.5	19.5
	12H	17.6	18.2	18.4	19.0	20.0	17.6	18.2	18.4	19.0	20.0
8H	4H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
	6H	17.1	17.7	17.9	18.5	19.5	17.1	17.7	17.9	18.5	19.5
	8H	17.7	18.2	18.6	19.1	20.1	17.7	18.2	18.6	19.1	20.1
	12H	18.4	18.9	19.2	19.7	20.8	18.4	18.9	19.2	19.7	20.8
12H	4H	15.9	16.5	16.7	17.3	18.3	15.9	16.5	16.7	17.3	18.3
	6H	17.2	17.7	18.1	18.6	19.6	17.2	17.7	18.1	18.6	19.6
	8H	17.9	18.4	18.8	19.2	20.3	17.9	18.4	18.8	19.2	20.3

(END OF REPORT)