

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: P1244976

Luminaire Tested: PRLX-MIN-S-935-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244976
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-935-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

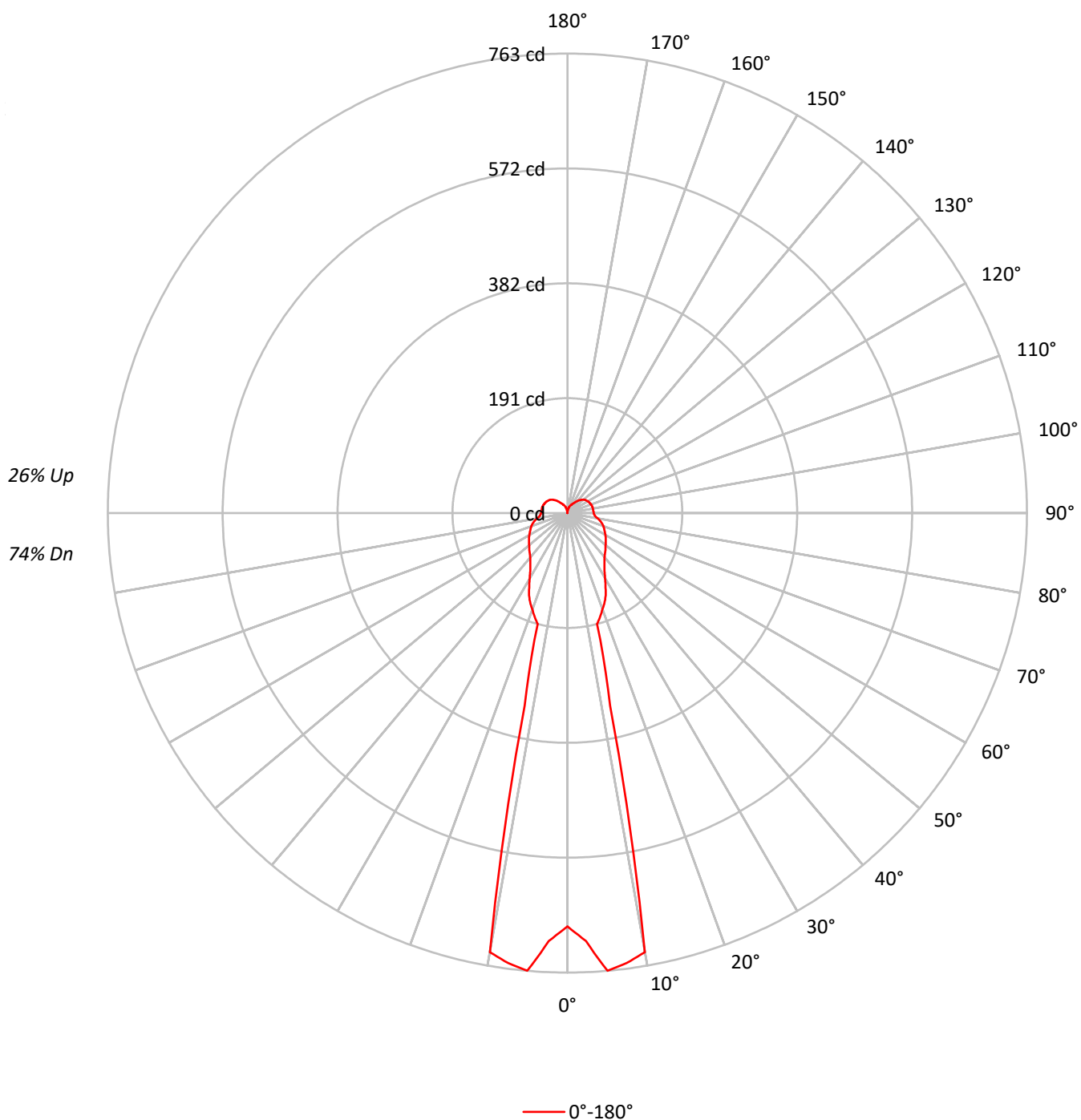
Lumens per Lamp: N/A
Luminaire Lumens: 813.0 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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			
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°	18911
5°	18812
10°	16637
15°	3961
20°	3309
25°	2779
30°	2209
35°	1825
40°	1591
45°	1452
50°	1335
55°	1251
60°	1178
65°	1111
70°	1061
75°	995
80°	912
85°	851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	8.8
10°-20°	75.1	9.2
20°-30°	68.4	8.4
30°-40°	67.7	8.3
40°-50°	68.9	8.5
50°-60°	69.7	8.6
60°-70°	67.6	8.3
70°-80°	61.0	7.5
80°-90°	50.3	6.2
90°-100°	47.2	5.8
100°-110°	45.0	5.5
110°-120°	40.2	4.9
120°-130°	33.3	4.1
130°-140°	23.8	2.9
140°-150°	13.7	1.7
150°-160°	7.1	0.9
160°-170°	2.7	0.3
170°-180°	0.2	0.0
0°-30°	214.7	26.4
0°-40°	282.4	34.7
0°-60°	421.0	51.8
0°-90°	599.9	73.8
90°-120°	132.4	16.3
90°-150°	203.1	25.0
90°-180°	213.0	26.2
0°-180°	813.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	763	71
15°	191	75
25°	151	68
35°	107	68
45°	89	69
55°	78	70
65°	68	68
75°	58	61
85°	46	38
90°	44	24
95°	43	35
105°	42	45
115°	40	40
125°	37	33
135°	30	24
145°	21	14
155°	15	7
165°	9	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	686.3
2.5°	711.2
5°	762.9
7.5°	753.6
10°	740.5
12.5°	327.6
15°	190.6
17.5°	180.6
20°	170.0
22.5°	161.3
25°	150.7
27.5°	137.0
30°	125.2
32.5°	114.6
35°	107.1
37.5°	100.9
40°	95.9
42.5°	92.2
45°	89.1
47.5°	85.9
50°	82.8
52.5°	80.3
55°	77.8
57.5°	75.4
60°	72.9
62.5°	70.4
65°	67.9
67.5°	66.0
70°	63.5
72.5°	61.0
75°	57.9
77.5°	54.8
80°	51.1
82.5°	47.3
85°	45.5
87.5°	44.2
90°	43.6
92.5°	43.6
95°	43.0
97.5°	43.0
100°	43.0
102.5°	43.0
105°	42.4
107.5°	42.4
110°	41.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.1
115°	40.5
117.5°	39.9
120°	39.2
122.5°	38.0
125°	37.4
127.5°	36.1
130°	34.3
132.5°	33.0
135°	30.5
137.5°	28.6
140°	26.2
142.5°	23.7
145°	21.2
147.5°	19.3
150°	18.1
152.5°	16.8
155°	14.9
157.5°	13.7
160°	12.5
162.5°	11.2
165°	9.3
167.5°	7.5
170°	5.0
172.5°	2.5
175°	0.6
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	9.5	10.6	10.2	11.3	12.2	9.5	10.6	10.2	11.3	12.2
	3H	11.8	12.8	12.5	13.6	14.5	11.8	12.8	12.5	13.6	14.5
	4H	12.8	13.8	13.6	14.6	15.5	12.8	13.8	13.6	14.6	15.5
	6H	13.8	14.7	14.5	15.5	16.4	13.8	14.7	14.5	15.5	16.4
	8H	14.2	15.1	15.0	15.9	16.8	14.2	15.1	15.0	15.9	16.8
	12H	14.6	15.5	15.4	16.2	17.2	14.6	15.5	15.4	16.2	17.2
4H	2H	10.1	11.1	10.8	11.8	12.7	10.1	11.1	10.8	11.8	12.7
	3H	12.6	13.4	13.3	14.2	15.2	12.6	13.4	13.3	14.2	15.2
	4H	13.8	14.6	14.6	15.4	16.3	13.8	14.6	14.6	15.4	16.3
	6H	14.9	15.6	15.7	16.4	17.4	14.9	15.6	15.7	16.4	17.4
	8H	15.4	16.1	16.2	16.9	17.9	15.4	16.1	16.2	16.9	17.9
	12H	15.9	16.5	16.7	17.3	18.3	15.9	16.5	16.7	17.3	18.3
8H	4H	14.2	14.8	15.0	15.6	16.6	14.2	14.8	15.0	15.6	16.6
	6H	15.5	16.0	16.3	16.9	17.9	15.5	16.0	16.3	16.9	17.9
	8H	16.1	16.6	16.9	17.5	18.5	16.1	16.6	16.9	17.5	18.5
	12H	16.8	17.2	17.6	18.0	19.1	16.8	17.2	17.6	18.0	19.1
12H	4H	14.2	14.8	15.0	15.7	16.7	14.2	14.8	15.0	15.7	16.7
	6H	15.6	16.1	16.4	16.9	18.0	15.6	16.1	16.4	16.9	18.0
	8H	16.3	16.7	17.1	17.6	18.6	16.3	16.7	17.1	17.6	18.6

(END OF REPORT)