

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: P1244946

Luminaire Tested: PRLX-MIN-S-927-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244946
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-927-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

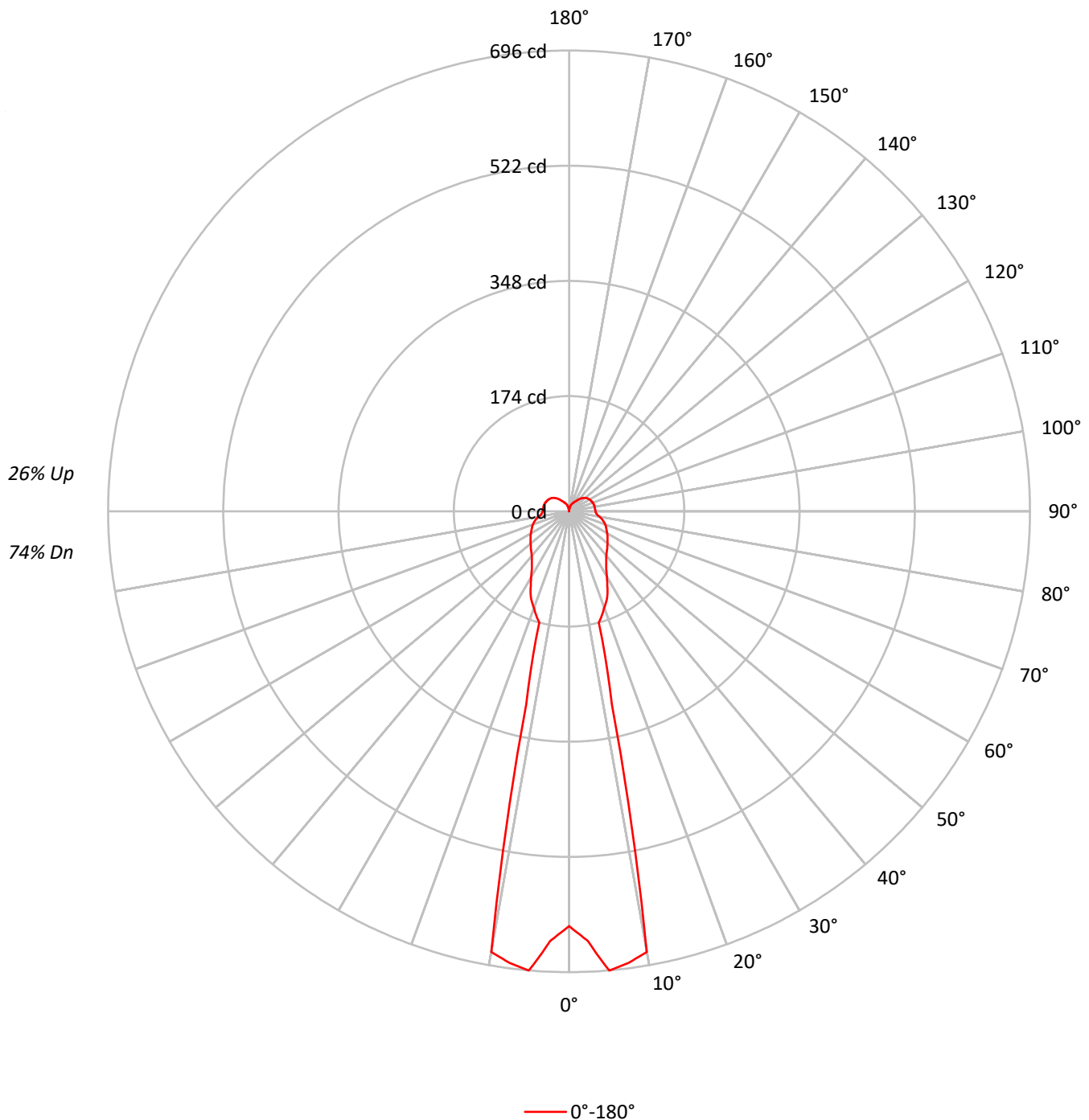
Lumens per Lamp: N/A
Luminaire Lumens: 742.0 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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°	17261
5°	17170
10°	15183
15°	3613
20°	3021
25°	2537
30°	2017
35°	1666
40°	1452
45°	1325
50°	1219
55°	1143
60°	1075
65°	1015
70°	969
75°	909
80°	832
85°	776

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	8.8
10°-20°	68.6	9.2
20°-30°	62.4	8.4
30°-40°	61.8	8.3
40°-50°	62.9	8.5
50°-60°	63.7	8.6
60°-70°	61.7	8.3
70°-80°	55.7	7.5
80°-90°	45.9	6.2
90°-100°	43.0	5.8
100°-110°	41.1	5.5
110°-120°	36.7	4.9
120°-130°	30.4	4.1
130°-140°	21.7	2.9
140°-150°	12.5	1.7
150°-160°	6.5	0.9
160°-170°	2.5	0.3
170°-180°	0.2	0.0
0°-30°	196.0	26.4
0°-40°	257.7	34.7
0°-60°	384.3	51.8
0°-90°	547.6	73.8
90°-120°	120.8	16.3
90°-150°	185.3	25.0
90°-180°	194.0	26.1
0°-180°	742.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	626	
5°	696	65
15°	174	69
25°	138	62
35°	98	62
45°	81	63
55°	71	64
65°	62	62
75°	53	56
85°	42	35
90°	40	22
95°	39	32
105°	39	41
115°	37	37
125°	34	30
135°	28	22
145°	19	12
155°	14	6
165°	8	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	626.4
2.5°	649.1
5°	696.3
7.5°	687.8
10°	675.8
12.5°	299.0
15°	173.9
17.5°	164.8
20°	155.2
22.5°	147.2
25°	137.6
27.5°	125.0
30°	114.3
32.5°	104.6
35°	97.8
37.5°	92.1
40°	87.5
42.5°	84.1
45°	81.3
47.5°	78.4
50°	75.6
52.5°	73.3
55°	71.1
57.5°	68.8
60°	66.5
62.5°	64.2
65°	62.0
67.5°	60.3
70°	58.0
72.5°	55.7
75°	52.9
77.5°	50.0
80°	46.6
82.5°	43.2
85°	41.5
87.5°	40.4
90°	39.8
92.5°	39.8
95°	39.2
97.5°	39.2
100°	39.2
102.5°	39.2
105°	38.7
107.5°	38.7
110°	38.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.5
115°	36.9
117.5°	36.4
120°	35.8
122.5°	34.7
125°	34.1
127.5°	33.0
130°	31.3
132.5°	30.1
135°	27.9
137.5°	26.1
140°	23.9
142.5°	21.6
145°	19.3
147.5°	17.6
150°	16.5
152.5°	15.3
155°	13.6
157.5°	12.5
160°	11.4
162.5°	10.2
165°	8.5
167.5°	6.8
170°	4.5
172.5°	2.3
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	9.1	10.3	9.9	11.0	11.9	9.1	10.3	9.9	11.0	11.9
	3H	11.5	12.5	12.2	13.3	14.2	11.5	12.5	12.2	13.3	14.2
	4H	12.5	13.5	13.3	14.3	15.2	12.5	13.5	13.3	14.3	15.2
	6H	13.5	14.4	14.2	15.2	16.1	13.5	14.4	14.2	15.2	16.1
	8H	13.9	14.8	14.7	15.6	16.5	13.9	14.8	14.7	15.6	16.5
	12H	14.3	15.1	15.1	15.9	16.9	14.3	15.1	15.1	15.9	16.9
4H	2H	9.7	10.7	10.5	11.5	12.4	9.7	10.7	10.5	11.5	12.4
	3H	12.3	13.1	13.0	13.9	14.9	12.3	13.1	13.0	13.9	14.9
	4H	13.5	14.3	14.2	15.1	16.0	13.5	14.3	14.2	15.1	16.0
	6H	14.6	15.3	15.4	16.1	17.1	14.6	15.3	15.4	16.1	17.1
	8H	15.1	15.8	15.9	16.6	17.6	15.1	15.8	15.9	16.6	17.6
	12H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
8H	4H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
	6H	15.2	15.7	16.0	16.6	17.6	15.2	15.7	16.0	16.6	17.6
	8H	15.8	16.3	16.6	17.1	18.1	15.8	16.3	16.6	17.1	18.1
	12H	16.4	16.9	17.3	17.7	18.8	16.4	16.9	17.3	17.7	18.8
12H	4H	13.9	14.5	14.7	15.4	16.3	13.9	14.5	14.7	15.4	16.3
	6H	15.3	15.8	16.1	16.6	17.7	15.3	15.8	16.1	16.6	17.7
	8H	16.0	16.4	16.8	17.3	18.3	16.0	16.4	16.8	17.3	18.3

(END OF REPORT)