

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: P1245294

Luminaire Tested: PRLX-UNA-L-927-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

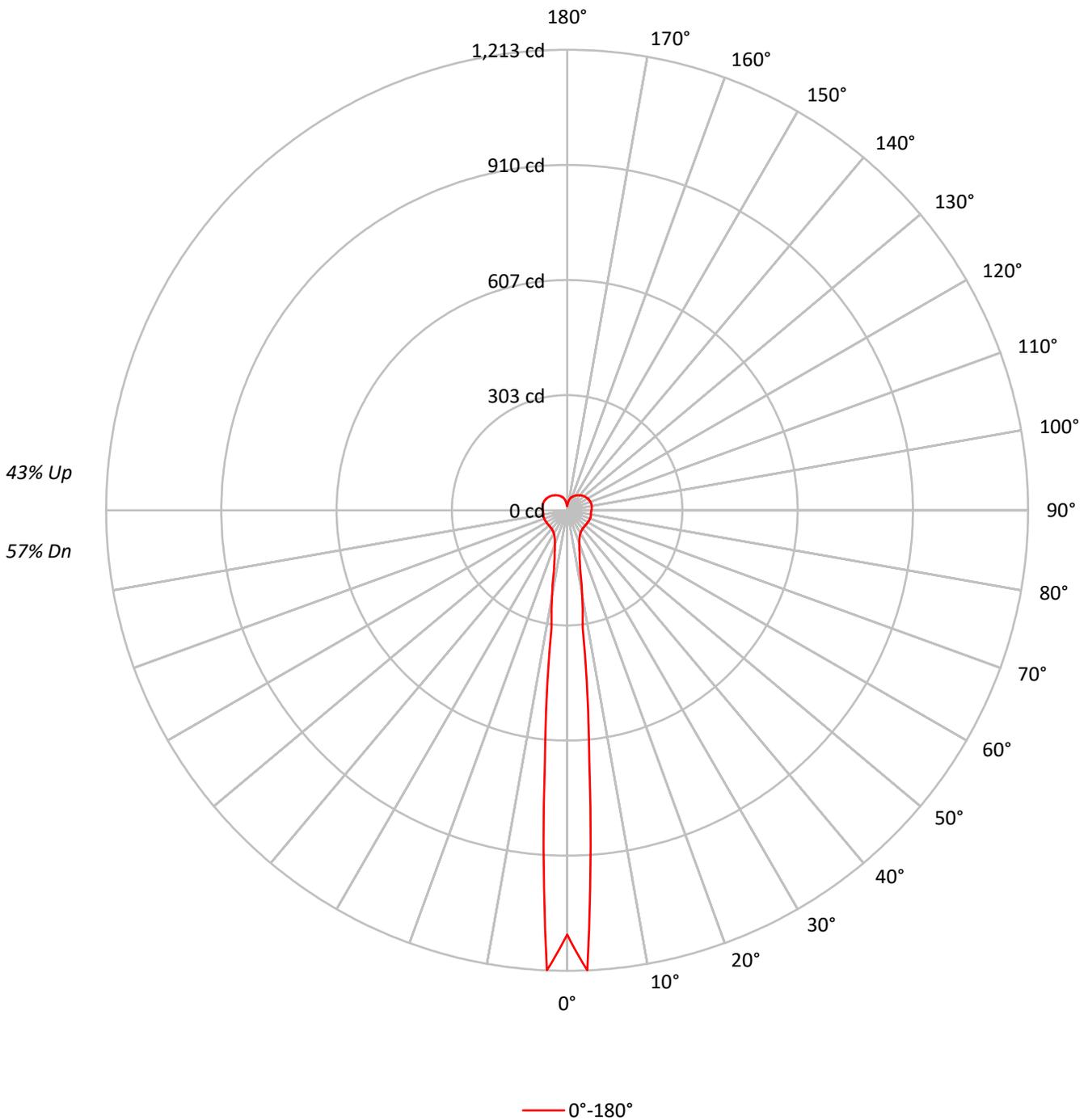
Lumens per Lamp: N/A
Luminaire Lumens: 831.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35357
5°	16573
10°	4658
15°	2189
20°	1443
25°	1071
30°	881
35°	770
40°	695
45°	652
50°	622
55°	606
60°	594
65°	592
70°	590
75°	593
80°	586
85°	595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	6.0
10°-20°	37.4	4.5
20°-30°	36.4	4.4
30°-40°	41.4	5.0
40°-50°	48.4	5.8
50°-60°	56.1	6.8
60°-70°	63.1	7.6
70°-80°	67.8	8.2
80°-90°	69.2	8.3
90°-100°	70.9	8.5
100°-110°	69.4	8.4
110°-120°	63.5	7.6
120°-130°	54.1	6.5
130°-140°	42.6	5.1
140°-150°	30.5	3.7
150°-160°	19.2	2.3
160°-170°	9.3	1.1
170°-180°	1.9	0.2
0°-30°	123.6	14.9
0°-40°	165.0	19.9
0°-60°	269.5	32.4
0°-90°	469.6	56.5
90°-120°	203.8	24.5
90°-150°	331.0	39.8
90°-180°	361.0	43.4
0°-180°	831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1118	
5°	672	50
15°	126	37
25°	78	36
35°	66	41
45°	62	48
55°	62	56
65°	64	63
75°	64	68
85°	63	52
90°	64	35
95°	65	53
105°	66	69
115°	64	63
125°	60	54
135°	55	43
145°	48	30
155°	41	19
165°	33	9
175°	17	2
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1117.6
2.5°	1212.8
5°	671.9
7.5°	311.6
10°	229.0
12.5°	157.6
15°	125.7
17.5°	107.1
20°	94.1
22.5°	84.4
25°	77.7
27.5°	73.2
30°	69.9
32.5°	67.7
35°	65.8
37.5°	64.3
40°	63.2
42.5°	62.8
45°	62.5
47.5°	62.1
50°	62.1
52.5°	62.5
55°	62.5
57.5°	62.8
60°	62.8
62.5°	63.2
65°	63.6
67.5°	64.0
70°	64.0
72.5°	64.3
75°	64.3
77.5°	64.0
80°	63.2
82.5°	63.2
85°	63.2
87.5°	63.6
90°	64.0
92.5°	64.7
95°	65.1
97.5°	65.4
100°	65.8
102.5°	65.8
105°	65.8
107.5°	65.4
110°	65.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	64.7
115°	64.0
117.5°	63.2
120°	62.5
122.5°	61.3
125°	60.2
127.5°	59.1
130°	58.0
132.5°	56.5
135°	55.0
137.5°	53.5
140°	51.7
142.5°	50.2
145°	48.3
147.5°	46.8
150°	45.0
152.5°	43.1
155°	41.3
157.5°	39.4
160°	37.2
162.5°	35.3
165°	32.7
167.5°	29.7
170°	26.0
172.5°	21.9
175°	17.1
177.5°	12.6
180°	11.2



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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	5.7	6.7	6.6	7.6	8.8	5.7	6.7	6.6	7.6	8.8
	3H	8.5	9.4	9.4	10.4	11.6	8.5	9.4	9.4	10.4	11.6
	4H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	6H	11.2	12.1	12.2	13.0	14.2	11.2	12.1	12.2	13.0	14.2
	8H	11.9	12.7	12.8	13.6	14.8	11.9	12.7	12.8	13.6	14.8
	12H	12.5	13.3	13.4	14.2	15.4	12.5	13.3	13.4	14.2	15.4
4H	2H	6.4	7.3	7.3	8.2	9.4	6.4	7.3	7.3	8.2	9.4
	3H	9.4	10.2	10.4	11.2	12.4	9.4	10.2	10.4	11.2	12.4
	4H	11.0	11.7	11.9	12.6	13.9	11.0	11.7	11.9	12.6	13.9
	6H	12.5	13.1	13.4	14.1	15.3	12.5	13.1	13.4	14.1	15.3
	8H	13.2	13.8	14.1	14.8	16.0	13.2	13.8	14.1	14.8	16.0
	12H	13.9	14.5	14.9	15.5	16.7	13.9	14.5	14.9	15.5	16.7
8H	4H	11.5	12.1	12.4	13.0	14.3	11.5	12.1	12.4	13.0	14.3
	6H	13.2	13.7	14.1	14.7	15.9	13.2	13.7	14.1	14.7	15.9
	8H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8
	12H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
12H	4H	11.6	12.1	12.5	13.1	14.3	11.6	12.1	12.5	13.1	14.3
	6H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	8H	14.3	14.7	15.3	15.7	17.0	14.3	14.7	15.3	15.7	17.0

(END OF REPORT)