

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: P1244799

Luminaire Tested: PRLX-MIN-L-927-20L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-927-20L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

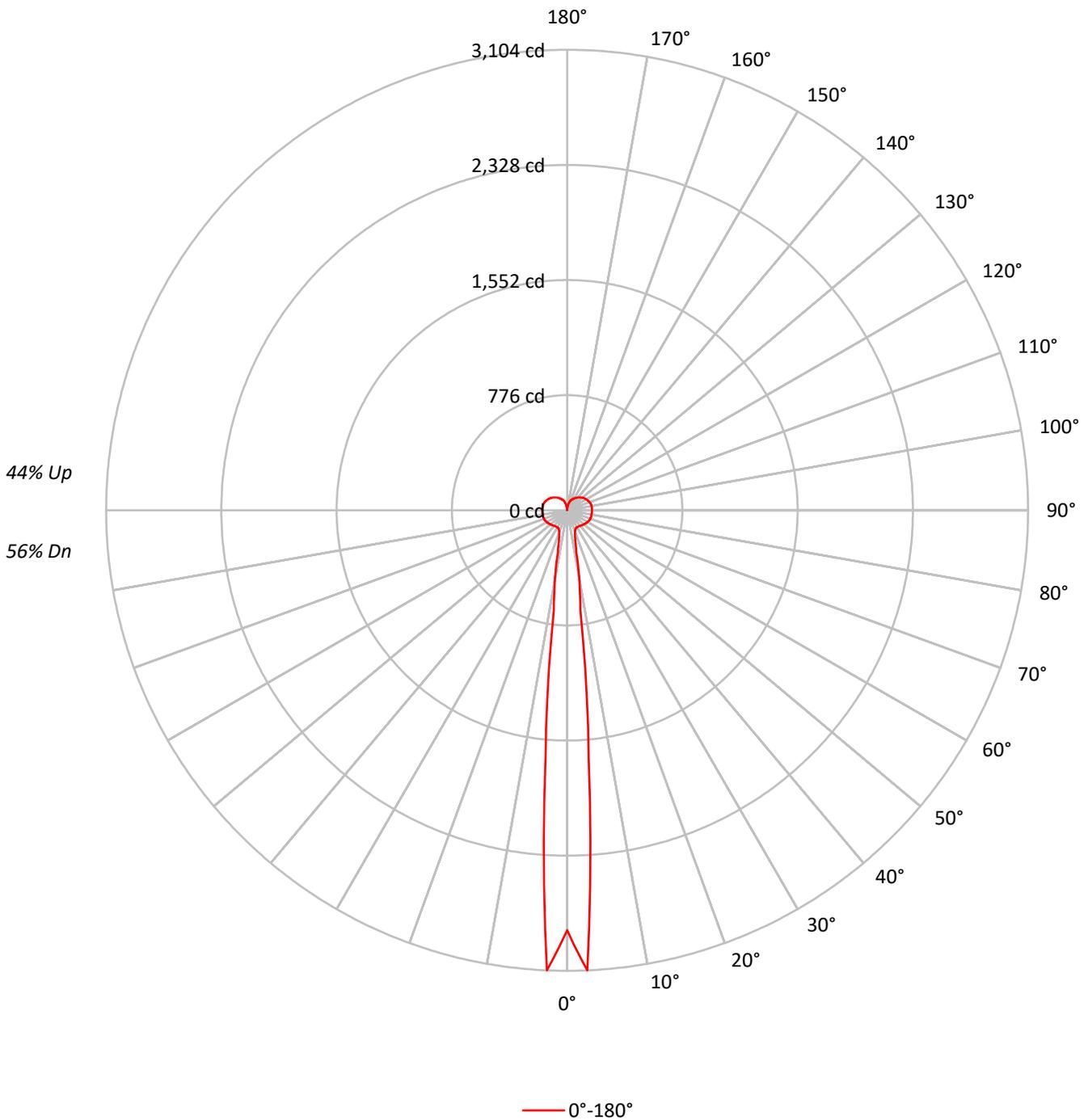
Lumens per Lamp: N/A
Luminaire Lumens: 1951.9 lumens
Efficiency: N/A
Efficacy: 40.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89512
5°	41047
10°	9568
15°	3652
20°	2359
25°	1877
30°	1668
35°	1560
40°	1508
45°	1483
50°	1472
55°	1481
60°	1492
65°	1514
70°	1527
75°	1545
80°	1546
85°	1578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1614 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	6.1
10°-20°	65.7	3.4
20°-30°	64.0	3.3
30°-40°	84.0	4.3
40°-50°	110.2	5.6
50°-60°	137.1	7.0
60°-70°	161.3	8.3
70°-80°	176.4	9.0
80°-90°	182.5	9.3
90°-100°	182.7	9.4
100°-110°	173.7	8.9
110°-120°	153.6	7.9
120°-130°	126.5	6.5
130°-140°	95.5	4.9
140°-150°	64.5	3.3
150°-160°	37.8	1.9
160°-170°	15.6	0.8
170°-180°	1.5	0.1
0°-30°	249.1	12.8
0°-40°	333.1	17.1
0°-60°	580.4	29.7
0°-90°	1100.5	56.4
90°-120°	510.1	26.1
90°-150°	796.6	40.8
90°-180°	851.0	43.6
0°-180°	1951.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2829	
5°	1664	119
15°	210	66
25°	136	64
35°	133	84
45°	142	110
55°	153	137
65°	163	161
75°	168	176
85°	168	137
90°	168	92
95°	168	137
105°	165	174
115°	155	154
125°	141	127
135°	124	95
145°	102	65
155°	81	38
165°	55	16
175°	8	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2829.4
2.5°	3103.9
5°	1664.1
7.5°	677.2
10°	470.4
12.5°	288.1
15°	209.7
17.5°	174.5
20°	153.9
22.5°	143.1
25°	136.2
27.5°	133.3
30°	132.3
32.5°	132.3
35°	133.3
37.5°	134.3
40°	137.2
42.5°	139.2
45°	142.1
47.5°	145.0
50°	147.0
52.5°	149.9
55°	152.9
57.5°	155.8
60°	157.8
62.5°	160.7
65°	162.7
67.5°	164.7
70°	165.6
72.5°	166.6
75°	167.6
77.5°	166.6
80°	166.6
82.5°	166.6
85°	167.6
87.5°	167.6
90°	167.6
92.5°	167.6
95°	167.6
97.5°	167.6
100°	166.6
102.5°	165.6
105°	164.7
107.5°	162.7
110°	160.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.8
115°	154.8
117.5°	151.9
120°	148.0
122.5°	145.0
125°	141.1
127.5°	137.2
130°	132.3
132.5°	128.4
135°	123.5
137.5°	117.6
140°	112.7
142.5°	107.8
145°	101.9
147.5°	97.0
150°	92.1
152.5°	86.2
155°	81.3
157.5°	75.5
160°	69.6
162.5°	62.7
165°	54.9
167.5°	44.1
170°	30.4
172.5°	18.6
175°	7.8
177.5°	2.0
180°	1.0



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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	9.0	10.0	9.9	10.9	12.1	9.0	10.0	9.9	10.9	12.1
	3H	12.0	12.9	12.9	13.9	15.1	12.0	12.9	12.9	13.9	15.1
	4H	13.4	14.3	14.3	15.3	16.5	13.4	14.3	14.3	15.3	16.5
	6H	14.8	15.7	15.7	16.6	17.8	14.8	15.7	15.7	16.6	17.8
	8H	15.5	16.3	16.4	17.3	18.5	15.5	16.3	16.4	17.3	18.5
	12H	16.1	16.9	17.1	17.9	19.1	16.1	16.9	17.1	17.9	19.1
4H	2H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	3H	12.9	13.7	13.9	14.7	15.9	12.9	13.7	13.9	14.7	15.9
	4H	14.5	15.3	15.4	16.2	17.5	14.5	15.3	15.4	16.2	17.5
	6H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	8H	16.8	17.5	17.8	18.4	19.7	16.8	17.5	17.8	18.4	19.7
	12H	17.6	18.2	18.6	19.2	20.4	17.6	18.2	18.6	19.2	20.4
8H	4H	15.0	15.7	16.0	16.6	17.9	15.0	15.7	16.0	16.6	17.9
	6H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	8H	17.7	18.2	18.7	19.2	20.4	17.7	18.2	18.7	19.2	20.4
	12H	18.6	19.1	19.6	20.1	21.4	18.6	19.1	19.6	20.1	21.4
12H	4H	15.1	15.7	16.1	16.7	18.0	15.1	15.7	16.1	16.7	18.0
	6H	17.0	17.5	17.9	18.5	19.7	17.0	17.5	17.9	18.5	19.7
	8H	18.0	18.4	18.9	19.4	20.7	18.0	18.4	18.9	19.4	20.7

(END OF REPORT)