

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: P1244793

Luminaire Tested: PRLX-MIN-L-927-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244793
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-927-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

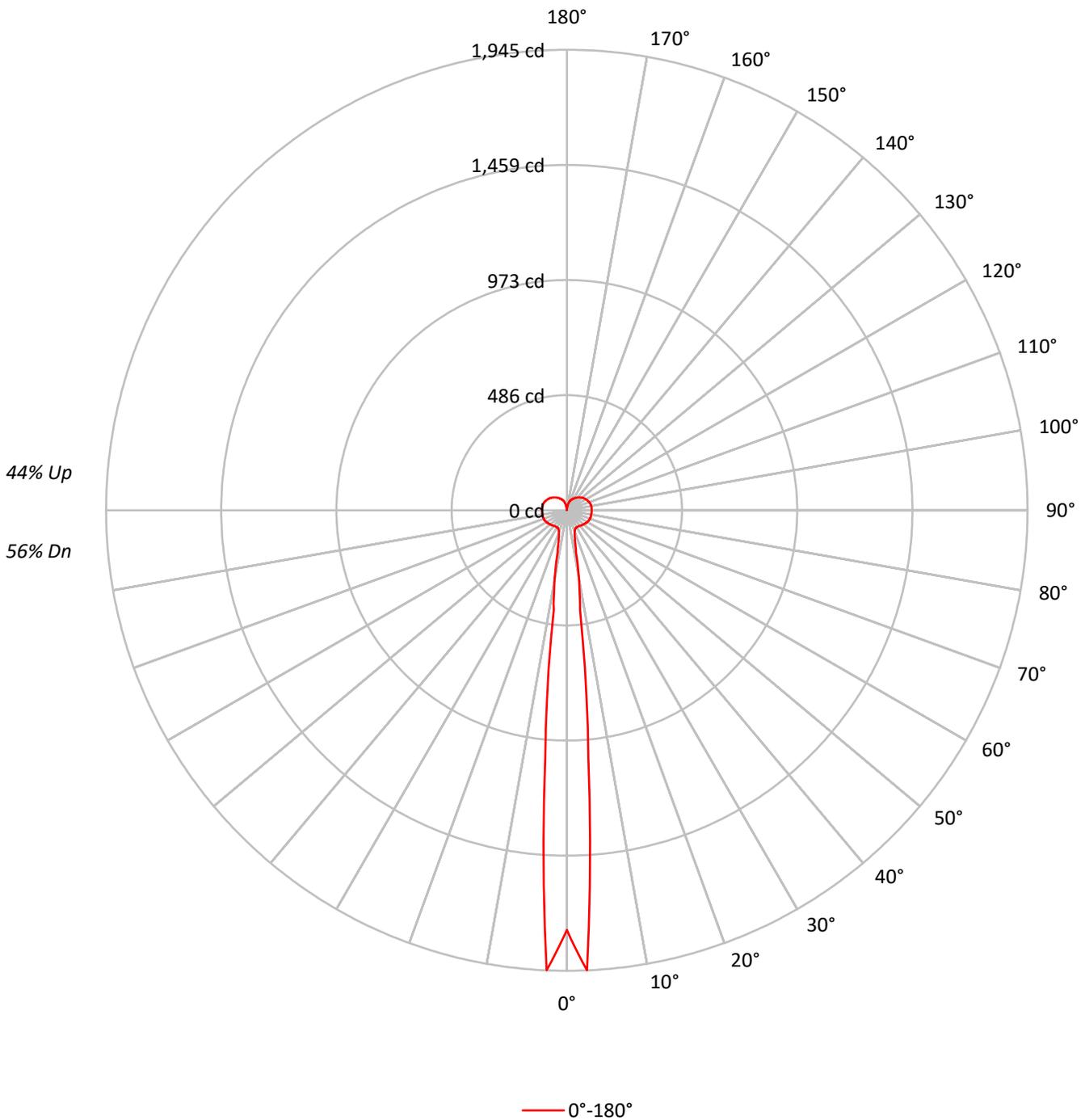
Lumens per Lamp: N/A
Luminaire Lumens: 1223.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
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°	56082
5°	25717
10°	5994
15°	2289
20°	1478
25°	1177
30°	1045
35°	977
40°	945
45°	929
50°	922
55°	928
60°	935
65°	948
70°	957
75°	968
80°	969
85°	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1011 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	6.1
10°-20°	41.2	3.4
20°-30°	40.1	3.3
30°-40°	52.6	4.3
40°-50°	69.0	5.6
50°-60°	85.9	7.0
60°-70°	101.1	8.3
70°-80°	110.5	9.0
80°-90°	114.3	9.3
90°-100°	114.5	9.4
100°-110°	108.8	8.9
110°-120°	96.3	7.9
120°-130°	79.3	6.5
130°-140°	59.8	4.9
140°-150°	40.4	3.3
150°-160°	23.7	1.9
160°-170°	9.7	0.8
170°-180°	0.9	0.1
0°-30°	156.1	12.8
0°-40°	208.7	17.1
0°-60°	363.6	29.7
0°-90°	689.6	56.4
90°-120°	319.6	26.1
90°-150°	499.1	40.8
90°-180°	533.0	43.6
0°-180°	1223.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1773	
5°	1043	75
15°	131	41
25°	85	40
35°	84	53
45°	89	69
55°	96	86
65°	102	101
75°	105	111
85°	105	86
90°	105	58
95°	105	86
105°	103	109
115°	97	96
125°	88	79
135°	77	60
145°	64	40
155°	51	24
165°	34	10
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1772.7
2.5°	1944.7
5°	1042.6
7.5°	424.3
10°	294.7
12.5°	180.5
15°	131.4
17.5°	109.3
20°	96.4
22.5°	89.7
25°	85.4
27.5°	83.5
30°	82.9
32.5°	82.9
35°	83.5
37.5°	84.1
40°	86.0
42.5°	87.2
45°	89.0
47.5°	90.9
50°	92.1
52.5°	93.9
55°	95.8
57.5°	97.6
60°	98.9
62.5°	100.7
65°	101.9
67.5°	103.2
70°	103.8
72.5°	104.4
75°	105.0
77.5°	104.4
80°	104.4
82.5°	104.4
85°	105.0
87.5°	105.0
90°	105.0
92.5°	105.0
95°	105.0
97.5°	105.0
100°	104.4
102.5°	103.8
105°	103.2
107.5°	101.9
110°	100.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.9
115°	97.0
117.5°	95.2
120°	92.7
122.5°	90.9
125°	88.4
127.5°	86.0
130°	82.9
132.5°	80.4
135°	77.4
137.5°	73.7
140°	70.6
142.5°	67.5
145°	63.9
147.5°	60.8
150°	57.7
152.5°	54.0
155°	51.0
157.5°	47.3
160°	43.6
162.5°	39.3
165°	34.4
167.5°	27.6
170°	19.0
172.5°	11.7
175°	4.9
177.5°	1.2
180°	0.6



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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	7.4	8.4	8.2	9.3	10.5	7.4	8.4	8.2	9.3	10.5
	3H	10.4	11.3	11.3	12.2	13.4	10.4	11.3	11.3	12.2	13.4
	4H	11.8	12.7	12.7	13.6	14.8	11.8	12.7	12.7	13.6	14.8
	6H	13.2	14.1	14.1	15.0	16.2	13.2	14.1	14.1	15.0	16.2
	8H	13.9	14.7	14.8	15.6	16.8	13.9	14.7	14.8	15.6	16.8
	12H	14.5	15.3	15.4	16.3	17.5	14.5	15.3	15.4	16.3	17.5
4H	2H	8.1	9.1	9.0	10.0	11.2	8.1	9.1	9.0	10.0	11.2
	3H	11.3	12.1	12.2	13.1	14.3	11.3	12.1	12.2	13.1	14.3
	4H	12.9	13.6	13.8	14.6	15.8	12.9	13.6	13.8	14.6	15.8
	6H	14.5	15.1	15.4	16.1	17.3	14.5	15.1	15.4	16.1	17.3
	8H	15.2	15.8	16.2	16.8	18.1	15.2	15.8	16.2	16.8	18.1
	12H	16.0	16.5	16.9	17.5	18.8	16.0	16.5	16.9	17.5	18.8
8H	4H	13.4	14.0	14.3	15.0	16.3	13.4	14.0	14.3	15.0	16.3
	6H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
	8H	16.1	16.6	17.0	17.6	18.8	16.1	16.6	17.0	17.6	18.8
	12H	17.0	17.4	18.0	18.4	19.7	17.0	17.4	18.0	18.4	19.7
12H	4H	13.5	14.1	14.5	15.1	16.3	13.5	14.1	14.5	15.1	16.3
	6H	15.4	15.8	16.3	16.8	18.1	15.4	15.8	16.3	16.8	18.1
	8H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1

(END OF REPORT)