

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: P1244786

Luminaire Tested: PRLX-MIN-L-927-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244786
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-927-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

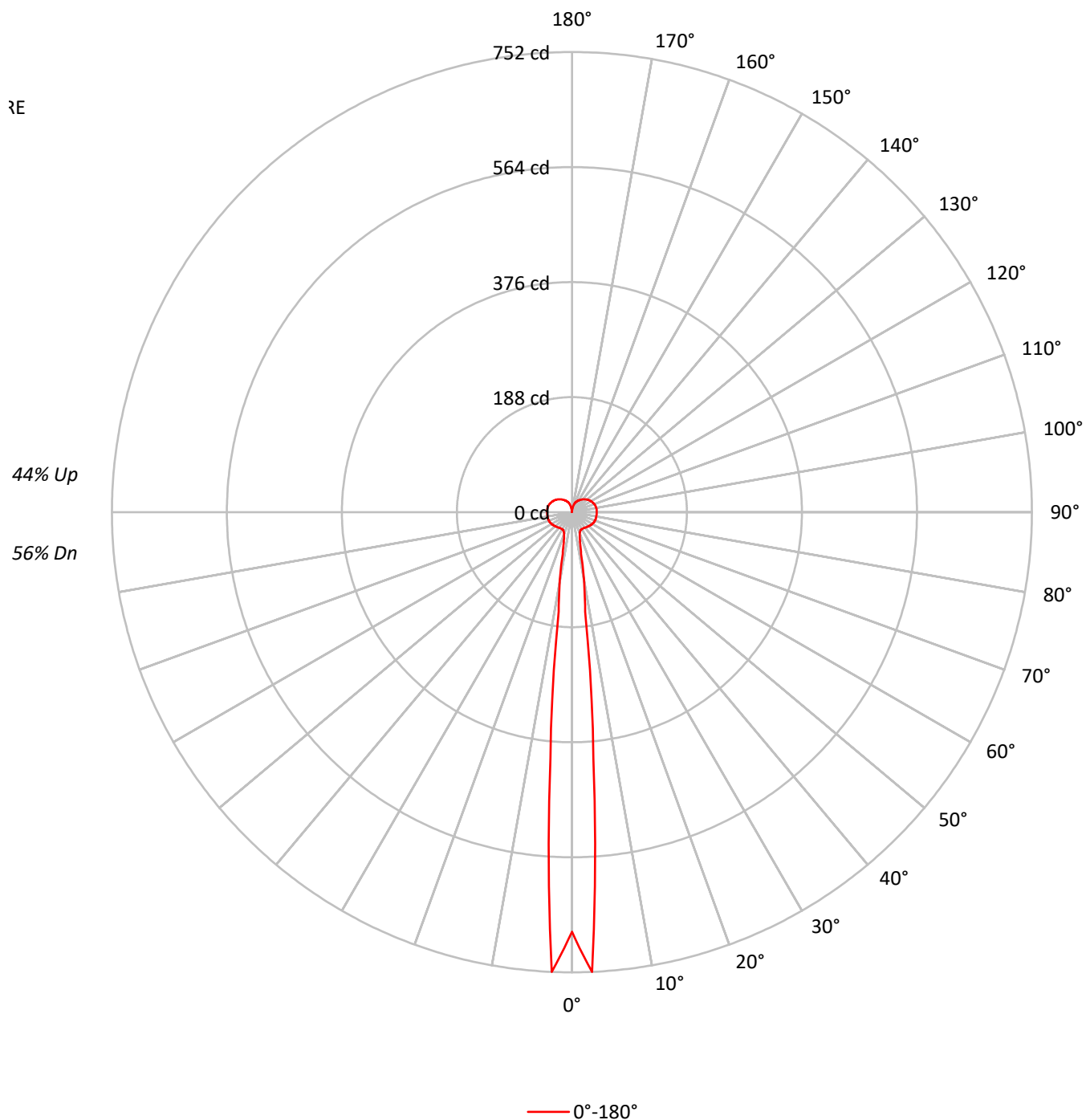
Lumens per Lamp: N/A
Luminaire Lumens: 472.9 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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
RCR																	
0	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32
5	65	52	43	36	60	48	40	34	41	35	30		35	30	26		29
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21690
5°	9945
10°	2319
15°	885
20°	572
25°	455
30°	405
35°	378
40°	365
45°	359
50°	356
55°	358
60°	361
65°	367
70°	370
75°	374
80°	375
85°	382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 391 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	6.1
10°-20°	15.9	3.4
20°-30°	15.5	3.3
30°-40°	20.4	4.3
40°-50°	26.7	5.6
50°-60°	33.2	7.0
60°-70°	39.1	8.3
70°-80°	42.8	9.0
80°-90°	44.2	9.4
90°-100°	44.3	9.4
100°-110°	42.1	8.9
110°-120°	37.2	7.9
120°-130°	30.6	6.5
130°-140°	23.1	4.9
140°-150°	15.6	3.3
150°-160°	9.2	1.9
160°-170°	3.8	0.8
170°-180°	0.4	0.1
0°-30°	60.4	12.8
0°-40°	80.7	17.1
0°-60°	140.6	29.7
0°-90°	266.6	56.4
90°-120°	123.6	26.1
90°-150°	193.0	40.8
90°-180°	206.0	43.6
0°-180°	472.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	403	29
15°	51	16
25°	33	16
35°	32	20
45°	34	27
55°	37	33
65°	39	39
75°	41	43
85°	41	33
90°	41	22
95°	41	33
105°	40	42
115°	38	37
125°	34	31
135°	30	23
145°	25	16
155°	20	9
165°	13	4
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	685.6
2.5°	752.1
5°	403.2
7.5°	164.1
10°	114.0
12.5°	69.8
15°	50.8
17.5°	42.3
20°	37.3
22.5°	34.7
25°	33.0
27.5°	32.3
30°	32.1
32.5°	32.1
35°	32.3
37.5°	32.5
40°	33.2
42.5°	33.7
45°	34.4
47.5°	35.1
50°	35.6
52.5°	36.3
55°	37.0
57.5°	37.8
60°	38.2
62.5°	38.9
65°	39.4
67.5°	39.9
70°	40.1
72.5°	40.4
75°	40.6
77.5°	40.4
80°	40.4
82.5°	40.4
85°	40.6
87.5°	40.6
90°	40.6
92.5°	40.6
95°	40.6
97.5°	40.6
100°	40.4
102.5°	40.1
105°	39.9
107.5°	39.4
110°	38.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.2
115°	37.5
117.5°	36.8
120°	35.9
122.5°	35.1
125°	34.2
127.5°	33.2
130°	32.1
132.5°	31.1
135°	29.9
137.5°	28.5
140°	27.3
142.5°	26.1
145°	24.7
147.5°	23.5
150°	22.3
152.5°	20.9
155°	19.7
157.5°	18.3
160°	16.9
162.5°	15.2
165°	13.3
167.5°	10.7
170°	7.4
172.5°	4.5
175°	1.9
177.5°	0.5
180°	0.2

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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	4.1	5.1	5.0	6.0	7.2	4.1	5.1	5.0	6.0	7.2
	3H	7.1	8.0	8.0	8.9	10.1	7.1	8.0	8.0	8.9	10.1
	4H	8.5	9.4	9.4	10.3	11.5	8.5	9.4	9.4	10.3	11.5
	6H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	8H	10.6	11.4	11.5	12.3	13.5	10.6	11.4	11.5	12.3	13.5
	12H	11.2	12.0	12.1	13.0	14.2	11.2	12.0	12.1	13.0	14.2
4H	2H	4.8	5.8	5.8	6.7	7.9	4.8	5.8	5.8	6.7	7.9
	3H	8.0	8.8	8.9	9.8	11.0	8.0	8.8	8.9	9.8	11.0
	4H	9.6	10.3	10.5	11.3	12.5	9.6	10.3	10.5	11.3	12.5
	6H	11.2	11.8	12.1	12.8	14.0	11.2	11.8	12.1	12.8	14.0
	8H	11.9	12.5	12.9	13.5	14.8	11.9	12.5	12.9	13.5	14.8
	12H	12.7	13.3	13.6	14.2	15.5	12.7	13.3	13.6	14.2	15.5
8H	4H	10.1	10.7	11.0	11.7	13.0	10.1	10.7	11.0	11.7	13.0
	6H	11.9	12.4	12.8	13.4	14.7	11.9	12.4	12.8	13.4	14.7
	8H	12.8	13.3	13.7	14.3	15.5	12.8	13.3	13.7	14.3	15.5
	12H	13.7	14.1	14.7	15.1	16.4	13.7	14.1	14.7	15.1	16.4
12H	4H	10.2	10.8	11.2	11.8	13.0	10.2	10.8	11.2	11.8	13.0
	6H	12.1	12.5	13.0	13.5	14.8	12.1	12.5	13.0	13.5	14.8
	8H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8

(END OF REPORT)