

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: P1245012

Luminaire Tested: PRLX-NIM-L-927-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-927-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

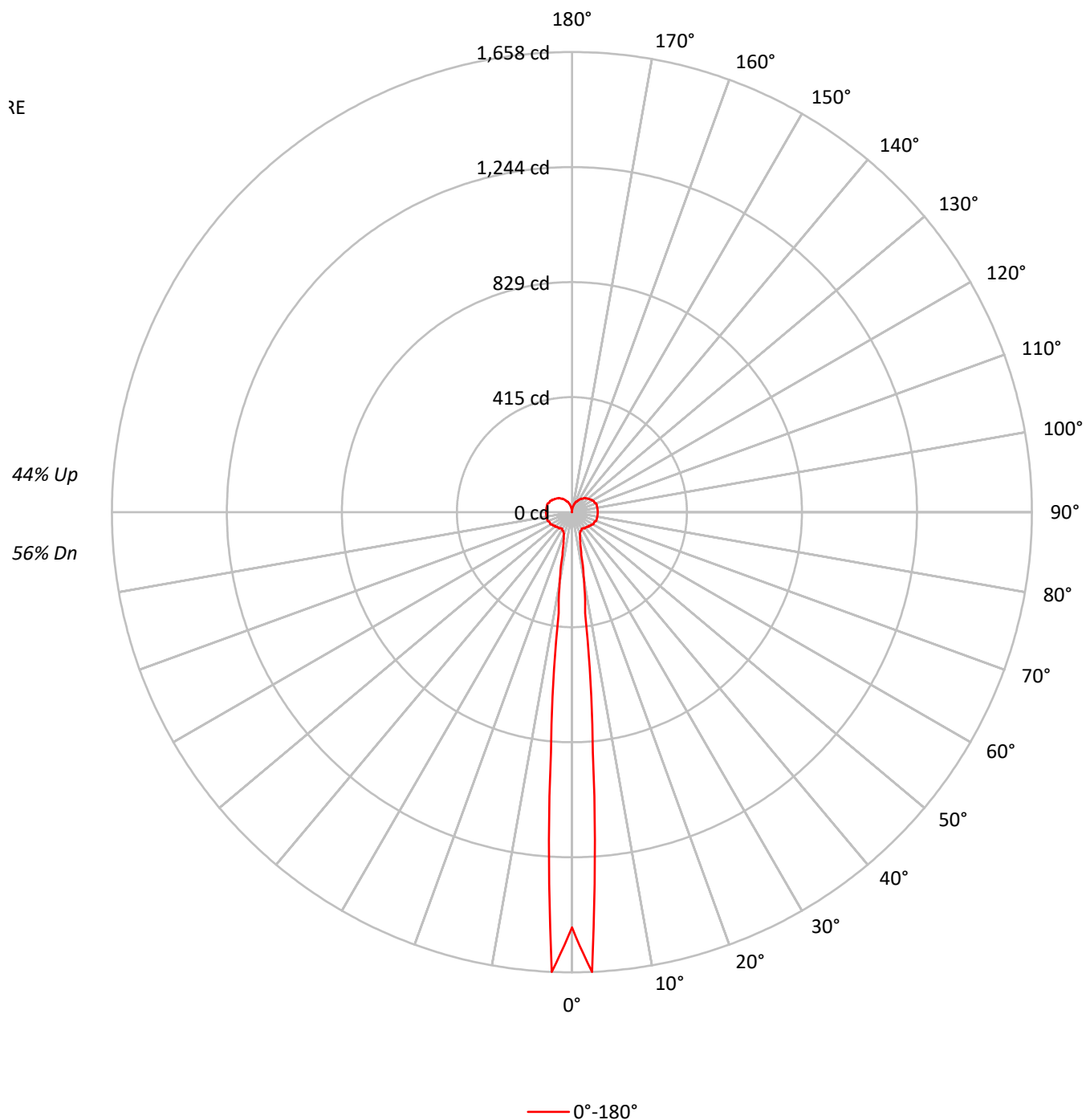
Lumens per Lamp: N/A
Luminaire Lumens: 1081.1 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56		
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38		
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30		
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24		
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20		
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18		
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16		
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15		
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13		
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12		
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47318
5°	21425
10°	5101
15°	2022
20°	1282
25°	1024
30°	879
35°	816
40°	817
45°	776
50°	791
55°	810
60°	835
65°	821
70°	857
75°	856
80°	862
85°	875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 894 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	5.9
10°-20°	36.0	3.3
20°-30°	35.0	3.2
30°-40°	44.9	4.2
40°-50°	59.0	5.5
50°-60°	74.1	6.9
60°-70°	88.2	8.2
70°-80°	98.3	9.1
80°-90°	101.4	9.4
90°-100°	101.4	9.4
100°-110°	98.3	9.1
110°-120°	87.7	8.1
120°-130°	72.0	6.7
130°-140°	55.0	5.1
140°-150°	37.0	3.4
150°-160°	20.3	1.9
160°-170°	8.2	0.8
170°-180°	1.0	0.1
0°-30°	134.5	12.4
0°-40°	179.4	16.6
0°-60°	312.5	28.9
0°-90°	600.3	55.5
90°-120°	287.3	26.6
90°-150°	451.2	41.7
90°-180°	481.0	44.5
0°-180°	1081.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1496	
5°	869	63
15°	116	36
25°	74	35
35°	70	45
45°	74	59
55°	84	74
65°	88	88
75°	93	98
85°	93	76
90°	93	51
95°	93	76
105°	93	98
115°	88	88
125°	79	72
135°	70	55
145°	60	37
155°	42	20
165°	28	8
175°	5	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1495.7
2.5°	1658.3
5°	868.6
7.5°	367.0
10°	250.8
12.5°	157.9
15°	116.1
17.5°	97.5
20°	83.6
22.5°	79.0
25°	74.3
27.5°	74.3
30°	69.7
32.5°	69.7
35°	69.7
37.5°	74.3
40°	74.3
42.5°	74.3
45°	74.3
47.5°	79.0
50°	79.0
52.5°	79.0
55°	83.6
57.5°	83.6
60°	88.3
62.5°	88.3
65°	88.3
67.5°	88.3
70°	92.9
72.5°	92.9
75°	92.9
77.5°	92.9
80°	92.9
82.5°	92.9
85°	92.9
87.5°	92.9
90°	92.9
92.5°	92.9
95°	92.9
97.5°	92.9
100°	92.9
102.5°	92.9
105°	92.9
107.5°	92.9
110°	92.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	88.3
115°	88.3
117.5°	88.3
120°	83.6
122.5°	83.6
125°	79.0
127.5°	79.0
130°	74.3
132.5°	74.3
135°	69.7
137.5°	69.7
140°	65.0
142.5°	60.4
145°	60.4
147.5°	55.7
150°	51.1
152.5°	46.5
155°	41.8
157.5°	41.8
160°	37.2
162.5°	32.5
165°	27.9
167.5°	23.2
170°	18.6
172.5°	13.9
175°	4.6
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	6.7	7.7	7.6	8.7	9.9	6.7	7.7	7.6	8.7	9.9
	3H	9.8	10.7	10.7	11.7	12.9	9.8	10.7	10.7	11.7	12.9
	4H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	6H	12.7	13.6	13.6	14.5	15.7	12.7	13.6	13.6	14.5	15.7
	8H	13.4	14.2	14.3	15.2	16.4	13.4	14.2	14.3	15.2	16.4
	12H	14.1	14.8	15.0	15.8	17.0	14.1	14.8	15.0	15.8	17.0
4H	2H	7.5	8.4	8.4	9.4	10.6	7.5	8.4	8.4	9.4	10.6
	3H	10.8	11.6	11.7	12.5	13.8	10.8	11.6	11.7	12.5	13.8
	4H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
	6H	14.0	14.6	14.9	15.6	16.9	14.0	14.6	14.9	15.6	16.9
	8H	14.8	15.4	15.7	16.4	17.6	14.8	15.4	15.7	16.4	17.6
	12H	15.5	16.1	16.5	17.1	18.4	15.5	16.1	16.5	17.1	18.4
8H	4H	12.9	13.5	13.9	14.5	15.8	12.9	13.5	13.9	14.5	15.8
	6H	14.7	15.2	15.7	16.3	17.5	14.7	15.2	15.7	16.3	17.5
	8H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
	12H	16.6	17.0	17.6	18.0	19.3	16.6	17.0	17.6	18.0	19.3
12H	4H	13.0	13.6	14.0	14.6	15.9	13.0	13.6	14.0	14.6	15.9
	6H	14.9	15.4	15.9	16.4	17.7	14.9	15.4	15.9	16.4	17.7
	8H	15.9	16.3	16.9	17.3	18.6	15.9	16.3	16.9	17.3	18.6

(END OF REPORT)