

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: P1245108

Luminaire Tested: PRLX-NIM-L-940-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245108
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-940-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

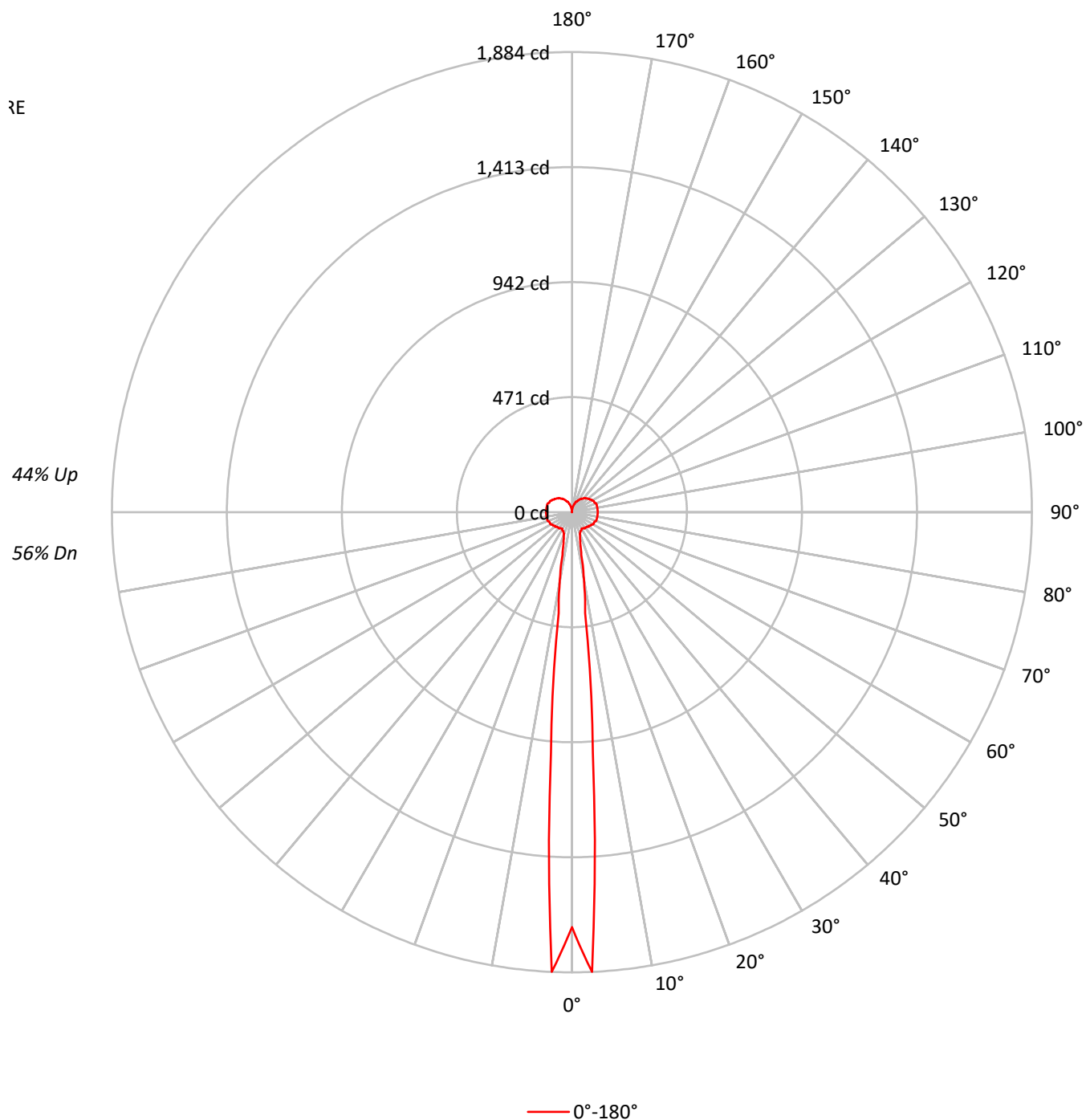
Lumens per Lamp: N/A
Luminaire Lumens: 1227.9 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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°	53753
5°	24340
10°	5797
15°	2297
20°	1456
25°	1163
30°	999
35°	927
40°	928
45°	881
50°	898
55°	920
60°	948
65°	933
70°	973
75°	972
80°	979
85°	993

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 1016 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	5.9
10°-20°	40.9	3.3
20°-30°	39.8	3.2
30°-40°	51.1	4.2
40°-50°	67.0	5.5
50°-60°	84.1	6.9
60°-70°	100.2	8.2
70°-80°	111.6	9.1
80°-90°	115.1	9.4
90°-100°	115.1	9.4
100°-110°	111.6	9.1
110°-120°	99.6	8.1
120°-130°	81.8	6.7
130°-140°	62.4	5.1
140°-150°	42.0	3.4
150°-160°	23.1	1.9
160°-170°	9.3	0.8
170°-180°	1.1	0.1
0°-30°	152.8	12.4
0°-40°	203.8	16.6
0°-60°	354.9	28.9
0°-90°	681.9	55.5
90°-120°	326.3	26.6
90°-150°	512.5	41.7
90°-180°	546.0	44.5
0°-180°	1227.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1699	
5°	987	72
15°	132	41
25°	84	40
35°	79	51
45°	84	67
55°	95	84
65°	100	100
75°	106	112
85°	106	86
90°	106	58
95°	106	86
105°	106	112
115°	100	100
125°	90	82
135°	79	62
145°	69	42
155°	48	23
165°	32	9
175°	5	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1699.1
2.5°	1883.8
5°	986.8
7.5°	416.9
10°	285.0
12.5°	179.4
15°	131.9
17.5°	110.8
20°	95.0
22.5°	89.7
25°	84.4
27.5°	84.4
30°	79.2
32.5°	79.2
35°	79.2
37.5°	84.4
40°	84.4
42.5°	84.4
45°	84.4
47.5°	89.7
50°	89.7
52.5°	89.7
55°	95.0
57.5°	95.0
60°	100.3
62.5°	100.3
65°	100.3
67.5°	100.3
70°	105.5
72.5°	105.5
75°	105.5
77.5°	105.5
80°	105.5
82.5°	105.5
85°	105.5
87.5°	105.5
90°	105.5
92.5°	105.5
95°	105.5
97.5°	105.5
100°	105.5
102.5°	105.5
105°	105.5
107.5°	105.5
110°	105.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.3
115°	100.3
117.5°	100.3
120°	95.0
122.5°	95.0
125°	89.7
127.5°	89.7
130°	84.4
132.5°	84.4
135°	79.2
137.5°	79.2
140°	73.9
142.5°	68.6
145°	68.6
147.5°	63.3
150°	58.0
152.5°	52.8
155°	47.5
157.5°	47.5
160°	42.2
162.5°	36.9
165°	31.7
167.5°	26.4
170°	21.1
172.5°	15.8
175°	5.3
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	7.2	8.2	8.0	9.1	10.3	7.2	8.2	8.0	9.1	10.3
	3H	10.2	11.2	11.1	12.1	13.3	10.2	11.2	11.1	12.1	13.3
	4H	11.7	12.6	12.6	13.6	14.8	11.7	12.6	12.6	13.6	14.8
	6H	13.2	14.0	14.1	14.9	16.2	13.2	14.0	14.1	14.9	16.2
	8H	13.8	14.6	14.8	15.6	16.8	13.8	14.6	14.8	15.6	16.8
	12H	14.5	15.3	15.4	16.2	17.5	14.5	15.3	15.4	16.2	17.5
4H	2H	8.0	8.9	8.9	9.8	11.0	8.0	8.9	8.9	9.8	11.0
	3H	11.2	12.0	12.1	13.0	14.2	11.2	12.0	12.1	13.0	14.2
	4H	12.8	13.6	13.8	14.5	15.8	12.8	13.6	13.8	14.5	15.8
	6H	14.4	15.1	15.4	16.1	17.3	14.4	15.1	15.4	16.1	17.3
	8H	15.2	15.8	16.1	16.8	18.1	15.2	15.8	16.1	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	16.2	13.4	14.0	14.3	15.0	16.2
	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	19.8	17.0	17.4	18.0	18.4	19.8
12H	4H	13.5	14.0	14.4	15.0	16.3	13.5	14.0	14.4	15.0	16.3
	6H	15.3	15.8	16.3	16.8	18.1	15.3	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)