

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: P1245011

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245011
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-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

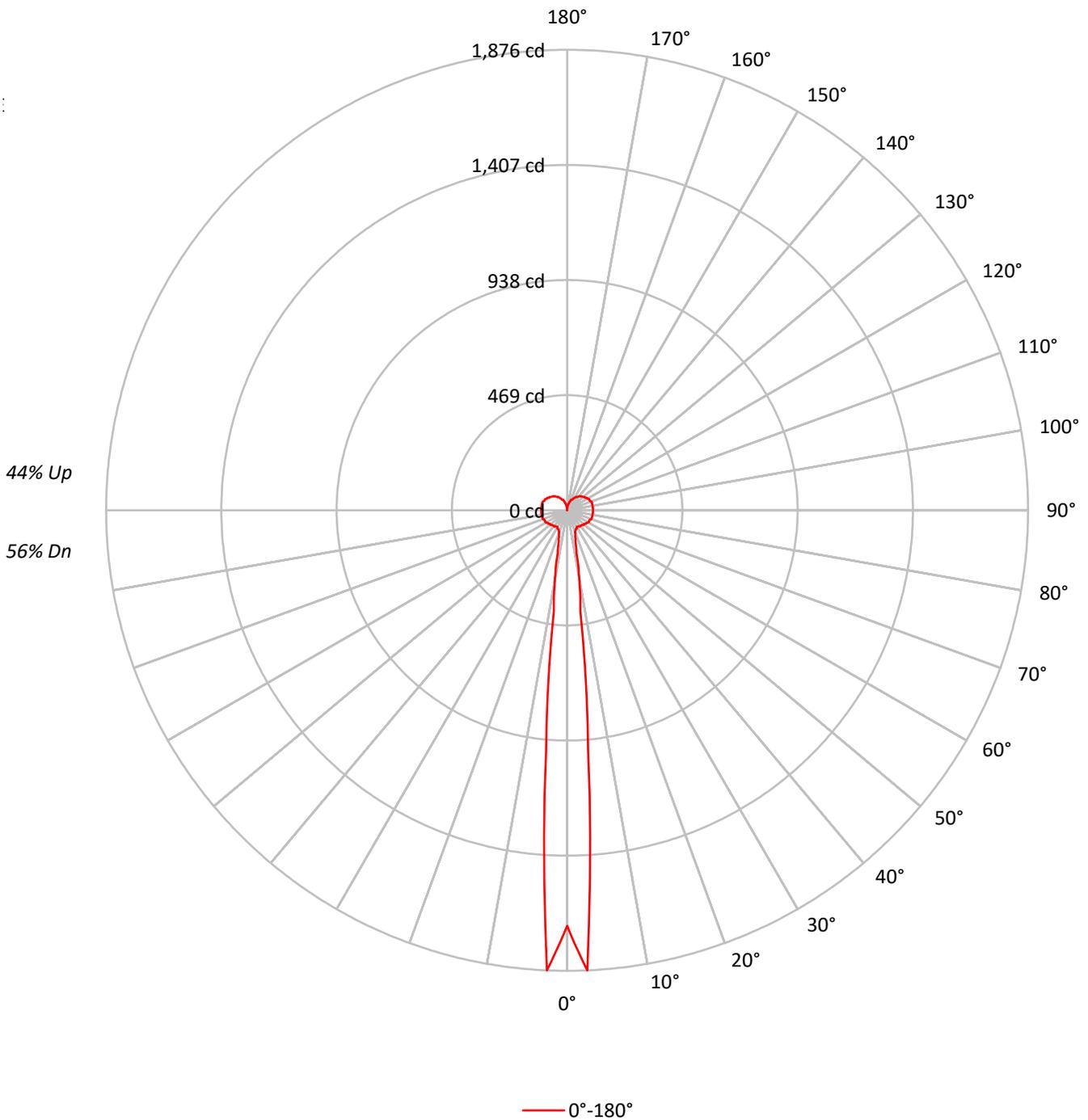
Lumens per Lamp: N/A
Luminaire Lumens: 1223.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (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	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°	53535
5°	24242
10°	5772
15°	2289
20°	1450
25°	1159
30°	994
35°	922
40°	924
45°	878
50°	894
55°	917
60°	945
65°	929
70°	969
75°	969
80°	975
85°	989

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	5.9
10°-20°	40.8	3.3
20°-30°	39.6	3.2
30°-40°	50.8	4.2
40°-50°	66.7	5.5
50°-60°	83.8	6.8
60°-70°	99.8	8.2
70°-80°	111.2	9.1
80°-90°	114.7	9.4
90°-100°	114.7	9.4
100°-110°	111.2	9.1
110°-120°	99.2	8.1
120°-130°	81.4	6.7
130°-140°	62.2	5.1
140°-150°	41.8	3.4
150°-160°	23.0	1.9
160°-170°	9.2	0.8
170°-180°	1.1	0.1
0°-30°	152.2	12.4
0°-40°	203.0	16.6
0°-60°	353.5	28.9
0°-90°	679.2	55.5
90°-120°	325.0	26.6
90°-150°	510.5	41.7
90°-180°	544.0	44.5
0°-180°	1223.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1692	
5°	983	72
15°	131	41
25°	84	40
35°	79	51
45°	84	67
55°	95	84
65°	100	100
75°	105	111
85°	105	86
90°	105	58
95°	105	86
105°	105	111
115°	100	99
125°	89	81
135°	79	62
145°	68	42
155°	47	23
165°	32	9
175°	5	1
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1692.2
2.5°	1876.2
5°	982.8
7.5°	415.2
10°	283.8
12.5°	178.7
15°	131.4
17.5°	110.4
20°	94.6
22.5°	89.3
25°	84.1
27.5°	84.1
30°	78.8
32.5°	78.8
35°	78.8
37.5°	84.1
40°	84.1
42.5°	84.1
45°	84.1
47.5°	89.3
50°	89.3
52.5°	89.3
55°	94.6
57.5°	94.6
60°	99.9
62.5°	99.9
65°	99.9
67.5°	99.9
70°	105.1
72.5°	105.1
75°	105.1
77.5°	105.1
80°	105.1
82.5°	105.1
85°	105.1
87.5°	105.1
90°	105.1
92.5°	105.1
95°	105.1
97.5°	105.1
100°	105.1
102.5°	105.1
105°	105.1
107.5°	105.1
110°	105.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.9
115°	99.9
117.5°	99.9
120°	94.6
122.5°	94.6
125°	89.3
127.5°	89.3
130°	84.1
132.5°	84.1
135°	78.8
137.5°	78.8
140°	73.6
142.5°	68.3
145°	68.3
147.5°	63.1
150°	57.8
152.5°	52.6
155°	47.3
157.5°	47.3
160°	42.0
162.5°	36.8
165°	31.5
167.5°	26.3
170°	21.0
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	7.1	8.2	8.0	9.1	10.3	7.1	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	13.5	14.8	11.7	12.6	12.6	13.5	14.8
	6H	13.1	14.0	14.1	14.9	16.2	13.1	14.0	14.1	14.9	16.2
	8H	13.8	14.6	14.7	15.6	16.8	13.8	14.6	14.7	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	7.9	8.8	8.9	9.8	11.0	7.9	8.8	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	14.9	16.2	13.4	14.0	14.3	14.9	16.2
	6H	15.1	15.7	16.1	16.7	18.0	15.1	15.7	16.1	16.7	18.0
	8H	16.1	16.5	17.0	17.5	18.8	16.1	16.5	17.0	17.5	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	14.0	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)