

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: P1244951

Luminaire Tested: PRLX-MIN-S-927-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-927-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

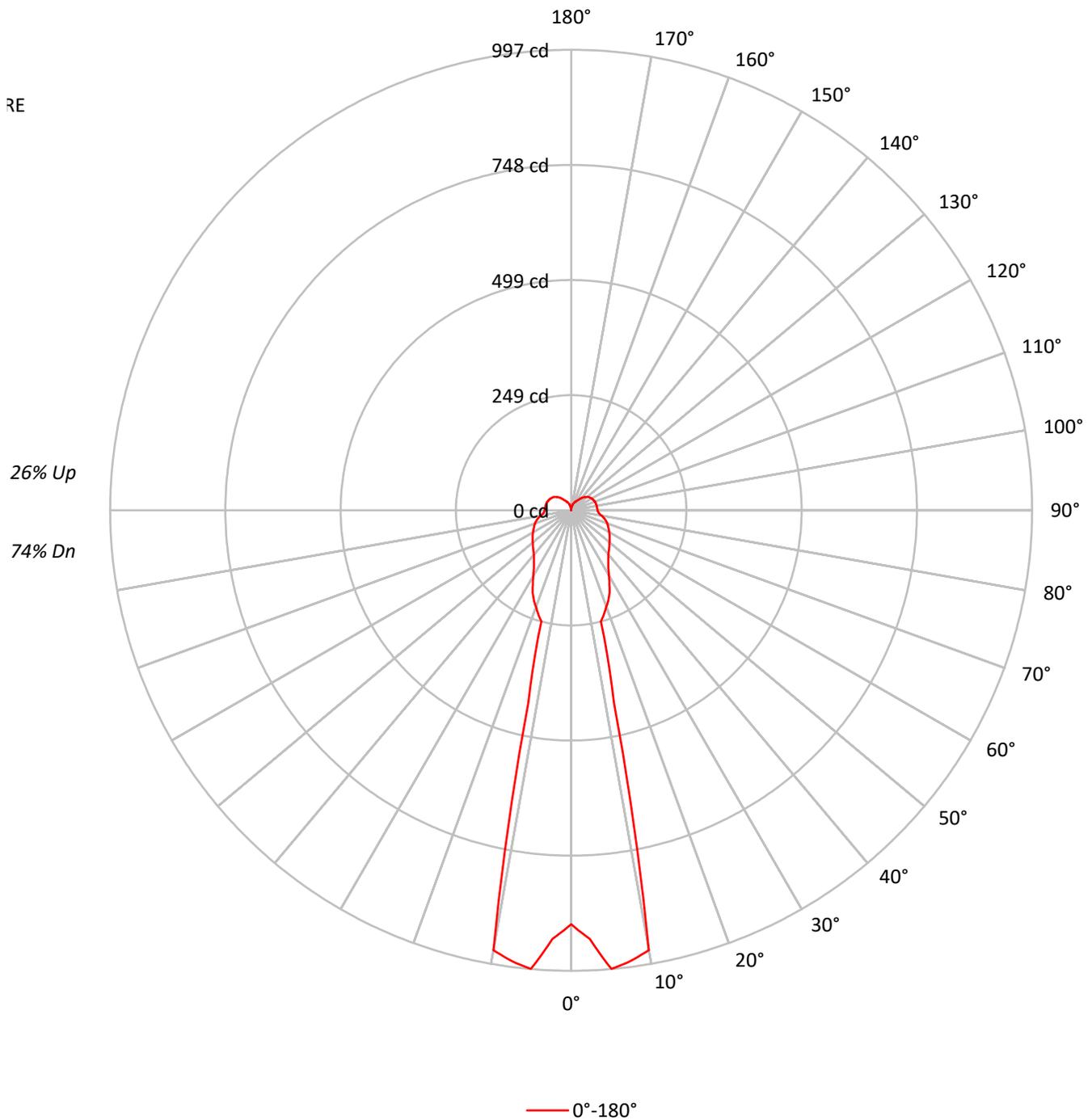
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1061.9 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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	113	113	113	113	107	107	107	107	97	97	97		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24704
5°	24575
10°	21733
15°	5172
20°	4323
25°	3631
30°	2885
35°	2383
40°	2079
45°	1895
50°	1745
55°	1635
60°	1538
65°	1451
70°	1386
75°	1301
80°	1190
85°	1111

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	8.8
10°-20°	98.1	9.2
20°-30°	89.4	8.4
30°-40°	88.4	8.3
40°-50°	90.0	8.5
50°-60°	91.1	8.6
60°-70°	88.2	8.3
70°-80°	79.8	7.5
80°-90°	65.7	6.2
90°-100°	61.5	5.8
100°-110°	58.7	5.5
110°-120°	52.5	4.9
120°-130°	43.5	4.1
130°-140°	31.1	2.9
140°-150°	17.8	1.7
150°-160°	9.3	0.9
160°-170°	3.5	0.3
170°-180°	0.3	0.0
0°-30°	280.5	26.4
0°-40°	368.9	34.7
0°-60°	550.0	51.8
0°-90°	783.7	73.8
90°-120°	172.8	16.3
90°-150°	265.2	25.0
90°-180°	278.0	26.2
0°-180°	1061.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	896	
5°	997	93
15°	249	98
25°	197	89
35°	140	88
45°	116	90
55°	102	91
65°	89	88
75°	76	80
85°	59	50
90°	57	31
95°	56	46
105°	55	59
115°	53	53
125°	49	43
135°	40	31
145°	28	18
155°	20	9
165°	12	4
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	896.5
2.5°	929.1
5°	996.6
7.5°	984.4
10°	967.3
12.5°	427.9
15°	248.9
17.5°	235.9
20°	222.1
22.5°	210.7
25°	196.9
27.5°	179.0
30°	163.5
32.5°	149.7
35°	139.9
37.5°	131.8
40°	125.3
42.5°	120.4
45°	116.3
47.5°	112.3
50°	108.2
52.5°	104.9
55°	101.7
57.5°	98.4
60°	95.2
62.5°	91.9
65°	88.7
67.5°	86.2
70°	83.0
72.5°	79.7
75°	75.7
77.5°	71.6
80°	66.7
82.5°	61.8
85°	59.4
87.5°	57.8
90°	56.9
92.5°	56.9
95°	56.1
97.5°	56.1
100°	56.1
102.5°	56.1
105°	55.3
107.5°	55.3
110°	54.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.7
115°	52.9
117.5°	52.1
120°	51.3
122.5°	49.6
125°	48.8
127.5°	47.2
130°	44.7
132.5°	43.1
135°	39.9
137.5°	37.4
140°	34.2
142.5°	30.9
145°	27.7
147.5°	25.2
150°	23.6
152.5°	22.0
155°	19.5
157.5°	17.9
160°	16.3
162.5°	14.6
165°	12.2
167.5°	9.8
170°	6.5
172.5°	3.3
175°	0.8
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	10.4	11.5	11.1	12.3	13.2	10.4	11.5	11.1	12.3	13.2
	3H	12.7	13.7	13.4	14.5	15.4	12.7	13.7	13.4	14.5	15.4
	4H	13.7	14.7	14.5	15.5	16.4	13.7	14.7	14.5	15.5	16.4
	6H	14.7	15.6	15.5	16.4	17.4	14.7	15.6	15.5	16.4	17.4
	8H	15.1	16.0	15.9	16.8	17.8	15.1	16.0	15.9	16.8	17.8
	12H	15.5	16.4	16.3	17.2	18.1	15.5	16.4	16.3	17.2	18.1
4H	2H	11.0	12.0	11.7	12.7	13.7	11.0	12.0	11.7	12.7	13.7
	3H	13.5	14.4	14.3	15.2	16.1	13.5	14.4	14.3	15.2	16.1
	4H	14.7	15.5	15.5	16.3	17.3	14.7	15.5	15.5	16.3	17.3
	6H	15.8	16.5	16.6	17.4	18.3	15.8	16.5	16.6	17.4	18.3
	8H	16.3	17.0	17.1	17.8	18.8	16.3	17.0	17.1	17.8	18.8
	12H	16.8	17.4	17.7	18.3	19.3	16.8	17.4	17.7	18.3	19.3
8H	4H	15.1	15.8	15.9	16.6	17.6	15.1	15.8	15.9	16.6	17.6
	6H	16.4	17.0	17.2	17.8	18.8	16.4	17.0	17.2	17.8	18.8
	8H	17.0	17.5	17.9	18.4	19.4	17.0	17.5	17.9	18.4	19.4
	12H	17.7	18.1	18.5	19.0	20.0	17.7	18.1	18.5	19.0	20.0
12H	4H	15.2	15.8	16.0	16.6	17.6	15.2	15.8	16.0	16.6	17.6
	6H	16.5	17.0	17.4	17.9	18.9	16.5	17.0	17.4	17.9	18.9
	8H	17.2	17.7	18.1	18.5	19.6	17.2	17.7	18.1	18.5	19.6

(END OF REPORT)