

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: P1244939

Luminaire Tested: PRLX-MIN-S-927-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244939
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-927-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

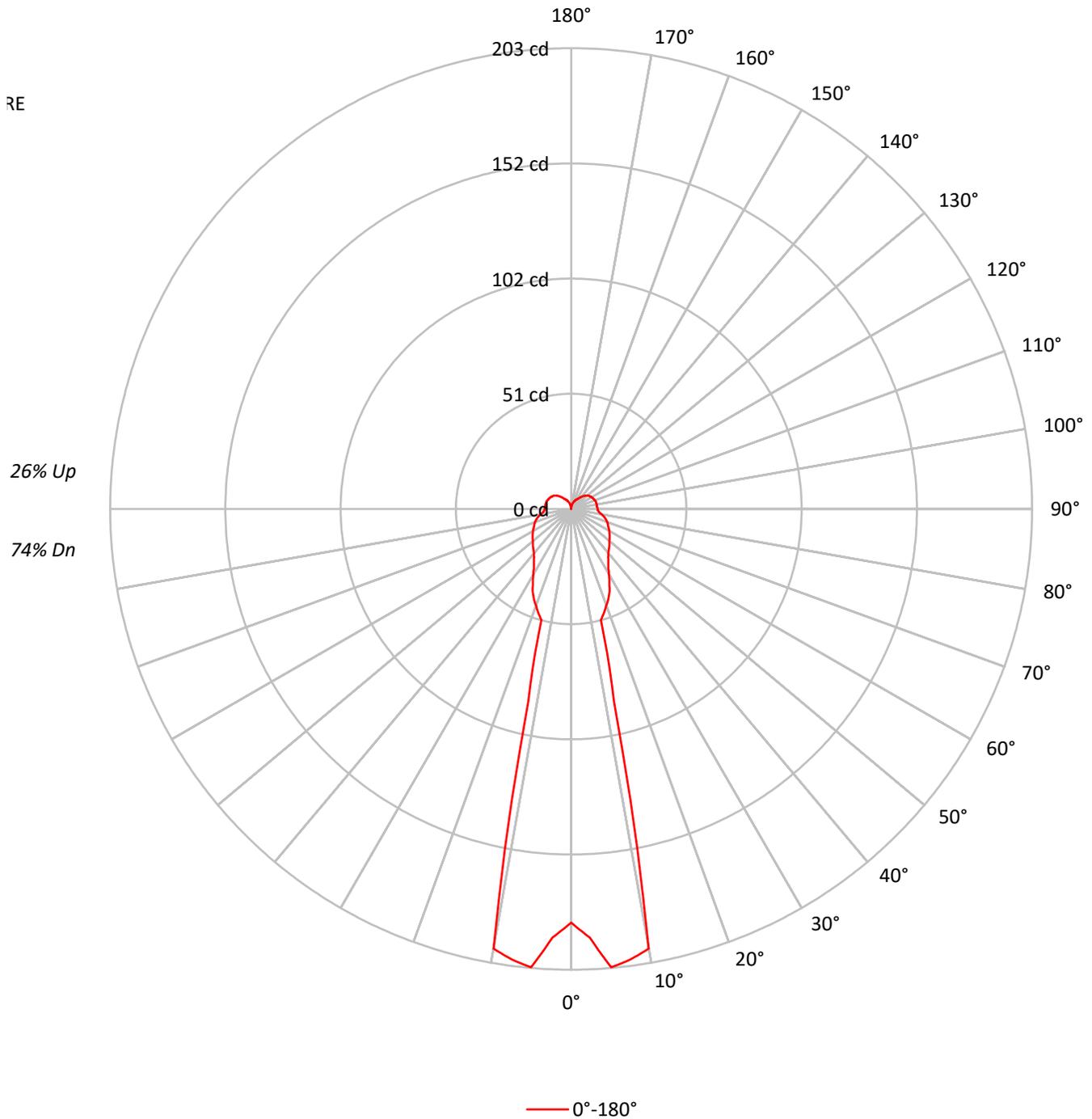
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 34.3 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): 6.3
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	66	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°	5023
5°	4998
10°	4419
15°	1051
20°	880
25°	738
30°	588
35°	486
40°	423
45°	386
50°	355
55°	333
60°	313
65°	295
70°	282
75°	265
80°	243
85°	226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	8.8
10°-20°	20.0	9.2
20°-30°	18.2	8.4
30°-40°	18.0	8.3
40°-50°	18.3	8.5
50°-60°	18.5	8.6
60°-70°	17.9	8.3
70°-80°	16.2	7.5
80°-90°	13.4	6.2
90°-100°	12.5	5.8
100°-110°	12.0	5.5
110°-120°	10.7	4.9
120°-130°	8.8	4.1
130°-140°	6.3	2.9
140°-150°	3.6	1.7
150°-160°	1.9	0.9
160°-170°	0.7	0.3
170°-180°	0.1	0.0
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0°-30°	57.0	26.4
0°-40°	75.0	34.7
0°-60°	111.9	51.8
0°-90°	159.4	73.8
90°-120°	35.2	16.3
90°-150°	53.9	25.0
90°-180°	57.0	26.4
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	182	
5°	203	19
15°	51	20
25°	40	18
35°	28	18
45°	24	18
55°	21	19
65°	18	18
75°	15	16
85°	12	10
90°	12	6
95°	11	9
105°	11	12
115°	11	11
125°	10	9
135°	8	6
145°	6	4
155°	4	2
165°	2	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	182.3
2.5°	189.0
5°	202.7
7.5°	200.2
10°	196.7
12.5°	87.0
15°	50.6
17.5°	48.0
20°	45.2
22.5°	42.9
25°	40.0
27.5°	36.4
30°	33.3
32.5°	30.4
35°	28.5
37.5°	26.8
40°	25.5
42.5°	24.5
45°	23.7
47.5°	22.8
50°	22.0
52.5°	21.3
55°	20.7
57.5°	20.0
60°	19.4
62.5°	18.7
65°	18.0
67.5°	17.5
70°	16.9
72.5°	16.2
75°	15.4
77.5°	14.6
80°	13.6
82.5°	12.6
85°	12.1
87.5°	11.7
90°	11.6
92.5°	11.6
95°	11.4
97.5°	11.4
100°	11.4
102.5°	11.4
105°	11.3
107.5°	11.3
110°	11.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.9
115°	10.8
117.5°	10.6
120°	10.4
122.5°	10.1
125°	9.9
127.5°	9.6
130°	9.1
132.5°	8.8
135°	8.1
137.5°	7.6
140°	6.9
142.5°	6.3
145°	5.6
147.5°	5.1
150°	4.8
152.5°	4.5
155°	4.0
157.5°	3.6
160°	3.3
162.5°	3.0
165°	2.5
167.5°	2.0
170°	1.3
172.5°	0.7
175°	0.2
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	4.8	6.0	5.6	6.7	7.6	4.8	6.0	5.6	6.7	7.6
	3H	7.2	8.2	7.9	9.0	9.9	7.2	8.2	7.9	9.0	9.9
	4H	8.2	9.2	9.0	10.0	10.9	8.2	9.2	9.0	10.0	10.9
	6H	9.2	10.1	9.9	10.9	11.8	9.2	10.1	9.9	10.9	11.8
	8H	9.6	10.5	10.4	11.3	12.2	9.6	10.5	10.4	11.3	12.2
	12H	10.0	10.9	10.8	11.6	12.6	10.0	10.9	10.8	11.6	12.6
4H	2H	5.4	6.4	6.2	7.2	8.1	5.4	6.4	6.2	7.2	8.1
	3H	8.0	8.8	8.7	9.6	10.6	8.0	8.8	8.7	9.6	10.6
	4H	9.2	10.0	10.0	10.8	11.7	9.2	10.0	10.0	10.8	11.7
	6H	10.3	11.0	11.1	11.8	12.8	10.3	11.0	11.1	11.8	12.8
	8H	10.8	11.5	11.6	12.3	13.3	10.8	11.5	11.6	12.3	13.3
	12H	11.3	11.9	12.1	12.7	13.7	11.3	11.9	12.1	12.7	13.7
8H	4H	9.6	10.2	10.4	11.0	12.0	9.6	10.2	10.4	11.0	12.0
	6H	10.9	11.4	11.7	12.3	13.3	10.9	11.4	11.7	12.3	13.3
	8H	11.5	12.0	12.3	12.9	13.9	11.5	12.0	12.3	12.9	13.9
	12H	12.2	12.6	13.0	13.5	14.5	12.2	12.6	13.0	13.5	14.5
12H	4H	9.6	10.2	10.4	11.1	12.1	9.6	10.2	10.4	11.1	12.1
	6H	11.0	11.5	11.8	12.3	13.4	11.0	11.5	11.8	12.3	13.4
	8H	11.7	12.1	12.5	13.0	14.0	11.7	12.1	12.5	13.0	14.0

(END OF REPORT)