

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: P1244975

Luminaire Tested: PRLX-MIN-S-935-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244975
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-935-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

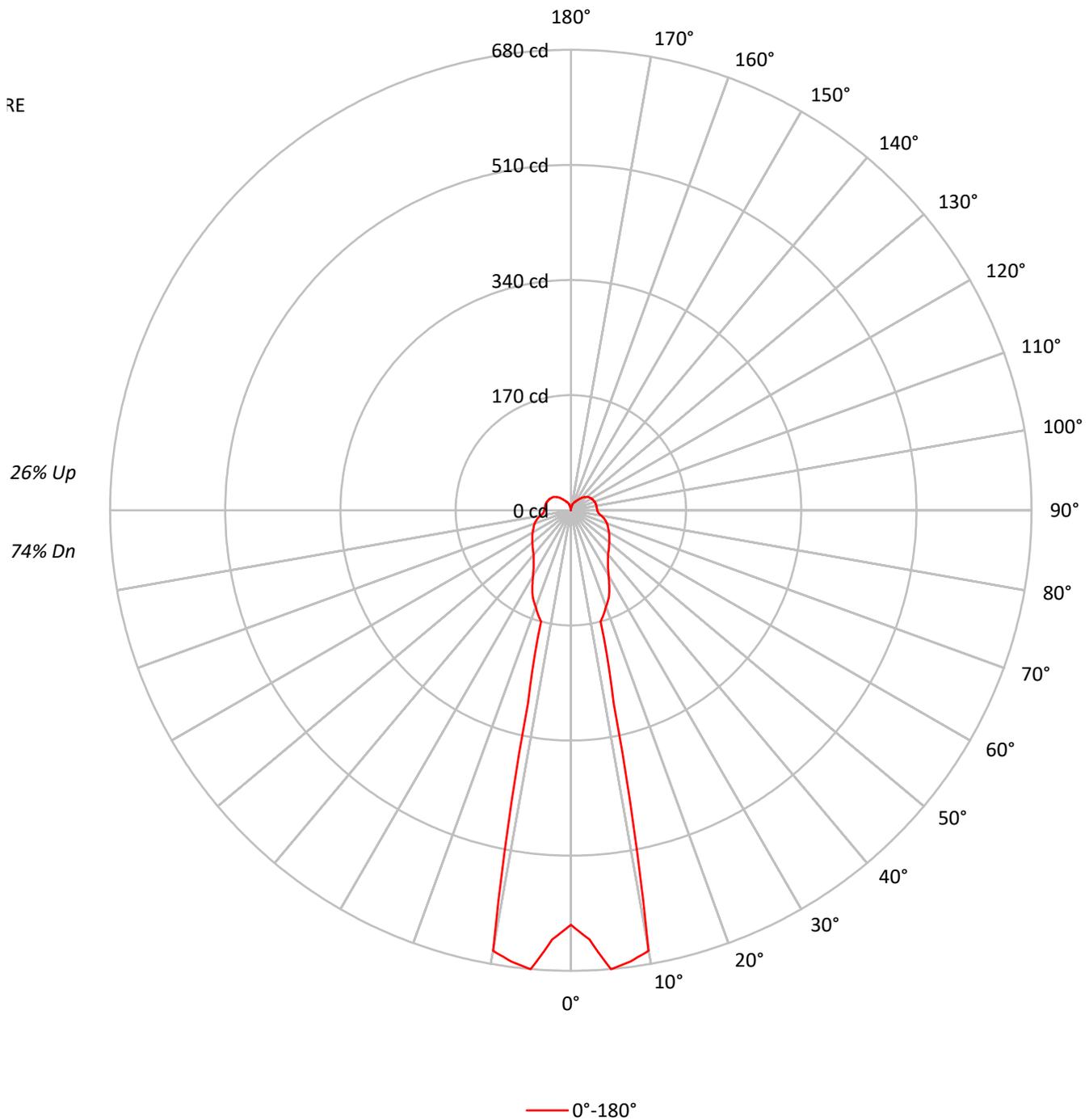
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.9 lumens
Efficiency: N/A
Efficacy: 44.7 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): 16.2
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°	16864
5°	16775
10°	14837
15°	3530
20°	2951
25°	2478
30°	1969
35°	1627
40°	1419
45°	1294
50°	1192
55°	1116
60°	1050
65°	990
70°	945
75°	889
80°	812
85°	757

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1294 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	8.8
10°-20°	67.0	9.2
20°-30°	61.0	8.4
30°-40°	60.3	8.3
40°-50°	61.4	8.5
50°-60°	62.2	8.6
60°-70°	60.2	8.3
70°-80°	54.5	7.5
80°-90°	44.8	6.2
90°-100°	42.0	5.8
100°-110°	40.1	5.5
110°-120°	35.8	4.9
120°-130°	29.7	4.1
130°-140°	21.2	2.9
140°-150°	12.2	1.7
150°-160°	6.3	0.9
160°-170°	2.4	0.3
170°-180°	0.2	0.0
0°-30°	191.5	26.4
0°-40°	251.8	34.7
0°-60°	375.4	51.8
0°-90°	535.0	73.8
90°-120°	118.0	16.3
90°-150°	181.0	25.0
90°-180°	190.0	26.2
0°-180°	724.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	612	
5°	680	63
15°	170	67
25°	134	61
35°	96	60
45°	79	61
55°	69	62
65°	60	60
75°	52	54
85°	40	34
90°	39	21
95°	38	31
105°	38	40
115°	36	36
125°	33	30
135°	27	21
145°	19	12
155°	13	6
165°	8	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	612.0
2.5°	634.3
5°	680.3
7.5°	672.0
10°	660.4
12.5°	292.1
15°	169.9
17.5°	161.1
20°	151.6
22.5°	143.8
25°	134.4
27.5°	122.2
30°	111.6
32.5°	102.2
35°	95.5
37.5°	90.0
40°	85.5
42.5°	82.2
45°	79.4
47.5°	76.6
50°	73.9
52.5°	71.6
55°	69.4
57.5°	67.2
60°	65.0
62.5°	62.8
65°	60.5
67.5°	58.9
70°	56.6
72.5°	54.4
75°	51.7
77.5°	48.9
80°	45.5
82.5°	42.2
85°	40.5
87.5°	39.4
90°	38.9
92.5°	38.9
95°	38.3
97.5°	38.3
100°	38.3
102.5°	38.3
105°	37.8
107.5°	37.8
110°	37.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.7
115°	36.1
117.5°	35.5
120°	35.0
122.5°	33.9
125°	33.3
127.5°	32.2
130°	30.5
132.5°	29.4
135°	27.2
137.5°	25.5
140°	23.3
142.5°	21.1
145°	18.9
147.5°	17.2
150°	16.1
152.5°	15.0
155°	13.3
157.5°	12.2
160°	11.1
162.5°	10.0
165°	8.3
167.5°	6.7
170°	4.4
172.5°	2.2
175°	0.6
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	9.1	10.2	9.8	10.9	11.8	9.1	10.2	9.8	10.9	11.8
	3H	11.4	12.4	12.1	13.2	14.1	11.4	12.4	12.1	13.2	14.1
	4H	12.4	13.4	13.2	14.2	15.1	12.4	13.4	13.2	14.2	15.1
	6H	13.4	14.3	14.1	15.1	16.0	13.4	14.3	14.1	15.1	16.0
	8H	13.8	14.7	14.6	15.5	16.4	13.8	14.7	14.6	15.5	16.4
	12H	14.2	15.1	15.0	15.8	16.8	14.2	15.1	15.0	15.8	16.8
4H	2H	9.7	10.7	10.4	11.4	12.3	9.7	10.7	10.4	11.4	12.3
	3H	12.2	13.0	12.9	13.8	14.8	12.2	13.0	12.9	13.8	14.8
	4H	13.4	14.2	14.2	15.0	15.9	13.4	14.2	14.2	15.0	15.9
	6H	14.5	15.2	15.3	16.0	17.0	14.5	15.2	15.3	16.0	17.0
	8H	15.0	15.7	15.8	16.5	17.5	15.0	15.7	15.8	16.5	17.5
	12H	15.5	16.1	16.3	16.9	17.9	15.5	16.1	16.3	16.9	17.9
8H	4H	13.8	14.4	14.6	15.2	16.2	13.8	14.4	14.6	15.2	16.2
	6H	15.1	15.6	15.9	16.5	17.5	15.1	15.6	15.9	16.5	17.5
	8H	15.7	16.2	16.5	17.1	18.1	15.7	16.2	16.5	17.1	18.1
	12H	16.4	16.8	17.2	17.6	18.7	16.4	16.8	17.2	17.6	18.7
12H	4H	13.8	14.4	14.7	15.3	16.3	13.8	14.4	14.7	15.3	16.3
	6H	15.2	15.7	16.0	16.5	17.6	15.2	15.7	16.0	16.5	17.6
	8H	15.9	16.3	16.7	17.2	18.2	15.9	16.3	16.7	17.2	18.2

(END OF REPORT)