

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: P1245227

Luminaire Tested: PRLX-NIM-S-930-02L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-930-02L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

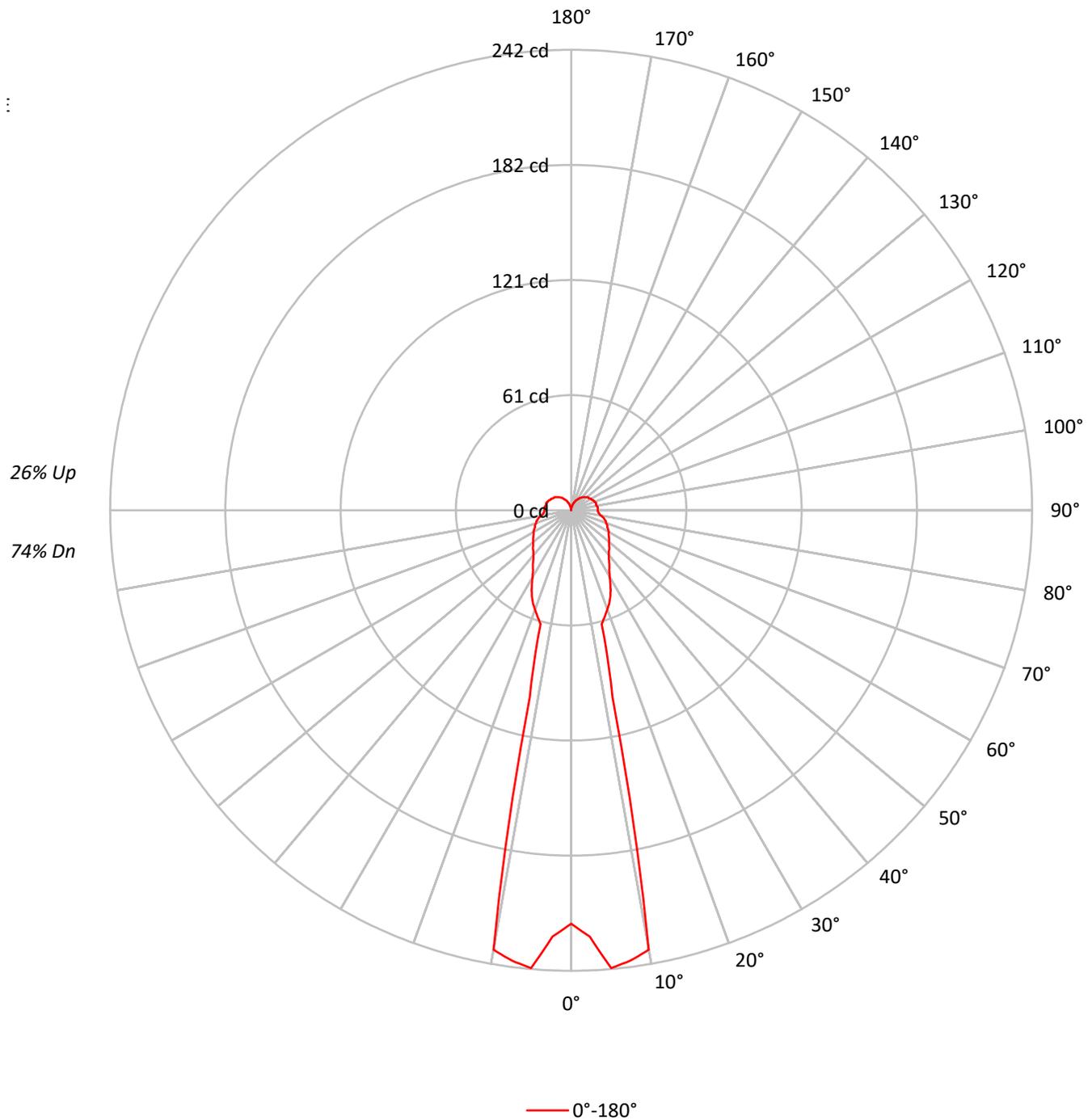
Lumens per Lamp: N/A
Luminaire Lumens: 258.1 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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	96	96	96	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	64	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6875
5°	6784
10°	5965
15°	1449
20°	1209
25°	1005
30°	795
35°	659
40°	563
45°	510
50°	463
55°	427
60°	403
65°	373
70°	354
75°	337
80°	304
85°	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	8.7
10°-20°	23.9	9.3
20°-30°	22.2	8.6
30°-40°	21.9	8.5
40°-50°	21.8	8.5
50°-60°	21.7	8.4
60°-70°	20.9	8.1
70°-80°	19.0	7.4
80°-90°	15.9	6.2
90°-100°	15.2	5.9
100°-110°	14.2	5.5
110°-120°	12.5	4.8
120°-130°	10.2	3.9
130°-140°	7.6	2.9
140°-150°	4.9	1.9
150°-160°	2.5	1.0
160°-170°	0.9	0.3
170°-180°	0.1	0.0
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0°-30°	68.7	26.6
0°-40°	90.6	35.1
0°-60°	134.2	52.0
0°-90°	190.0	73.6
90°-120°	41.9	16.2
90°-150°	64.6	25.0
90°-180°	68.0	26.3
0°-180°	258.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	217	
5°	242	23
15°	62	24
25°	49	22
35°	35	22
45°	28	22
55°	24	22
65°	21	21
75°	18	19
85°	14	12
90°	14	8
95°	14	11
105°	14	14
115°	13	12
125°	11	10
135°	10	8
145°	8	5
155°	6	3
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	217.3
2.5°	224.2
5°	241.5
7.5°	238.7
10°	234.5
12.5°	100.5
15°	61.9
17.5°	58.6
20°	55.4
22.5°	52.6
25°	48.8
27.5°	44.7
30°	40.5
32.5°	37.2
35°	34.9
37.5°	32.6
40°	30.7
42.5°	29.3
45°	28.4
47.5°	27.0
50°	26.1
52.5°	25.1
55°	24.2
57.5°	23.3
60°	22.8
62.5°	21.9
65°	20.9
67.5°	20.5
70°	19.5
72.5°	19.1
75°	18.1
77.5°	17.2
80°	15.8
82.5°	14.9
85°	14.4
87.5°	14.0
90°	14.0
92.5°	14.0
95°	14.0
97.5°	14.0
100°	13.5
102.5°	13.5
105°	13.5
107.5°	13.5
110°	13.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.0
115°	12.6
117.5°	12.1
120°	12.1
122.5°	11.6
125°	11.2
127.5°	11.2
130°	10.7
132.5°	10.2
135°	9.8
137.5°	9.3
140°	8.8
142.5°	8.4
145°	7.9
147.5°	7.0
150°	6.5
152.5°	6.0
155°	5.6
157.5°	4.7
160°	4.2
162.5°	3.7
165°	2.8
167.5°	2.3
170°	1.9
172.5°	0.9
175°	0.5
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	5.6	6.7	6.3	7.5	8.4	5.6	6.7	6.3	7.5	8.4
	3H	7.9	8.9	8.6	9.7	10.6	7.9	8.9	8.6	9.7	10.6
	4H	9.0	10.0	9.7	10.7	11.6	9.0	10.0	9.7	10.7	11.6
	6H	9.9	10.9	10.7	11.6	12.6	9.9	10.9	10.7	11.6	12.6
	8H	10.4	11.2	11.1	12.0	13.0	10.4	11.2	11.1	12.0	13.0
	12H	10.8	11.6	11.6	12.4	13.4	10.8	11.6	11.6	12.4	13.4
4H	2H	6.2	7.2	6.9	7.9	8.9	6.2	7.2	6.9	7.9	8.9
	3H	8.7	9.6	9.5	10.4	11.3	8.7	9.6	9.5	10.4	11.3
	4H	9.9	10.7	10.7	11.5	12.5	9.9	10.7	10.7	11.5	12.5
	6H	11.1	11.7	11.8	12.6	13.5	11.1	11.7	11.8	12.6	13.5
	8H	11.6	12.2	12.4	13.0	14.0	11.6	12.2	12.4	13.0	14.0
	12H	12.1	12.7	12.9	13.5	14.5	12.1	12.7	12.9	13.5	14.5
8H	4H	10.3	11.0	11.1	11.8	12.8	10.3	11.0	11.1	11.8	12.8
	6H	11.6	12.2	12.4	13.0	14.0	11.6	12.2	12.4	13.0	14.0
	8H	12.3	12.8	13.1	13.6	14.6	12.3	12.8	13.1	13.6	14.6
	12H	12.9	13.4	13.8	14.2	15.3	12.9	13.4	13.8	14.2	15.3
12H	4H	10.4	11.0	11.2	11.8	12.8	10.4	11.0	11.2	11.8	12.8
	6H	11.7	12.2	12.6	13.1	14.1	11.7	12.2	12.6	13.1	14.1
	8H	12.4	12.9	13.3	13.7	14.8	12.4	12.9	13.3	13.7	14.8

(END OF REPORT)