

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: P1244955

Luminaire Tested: PRLX-MIN-S-930-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244955
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-930-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

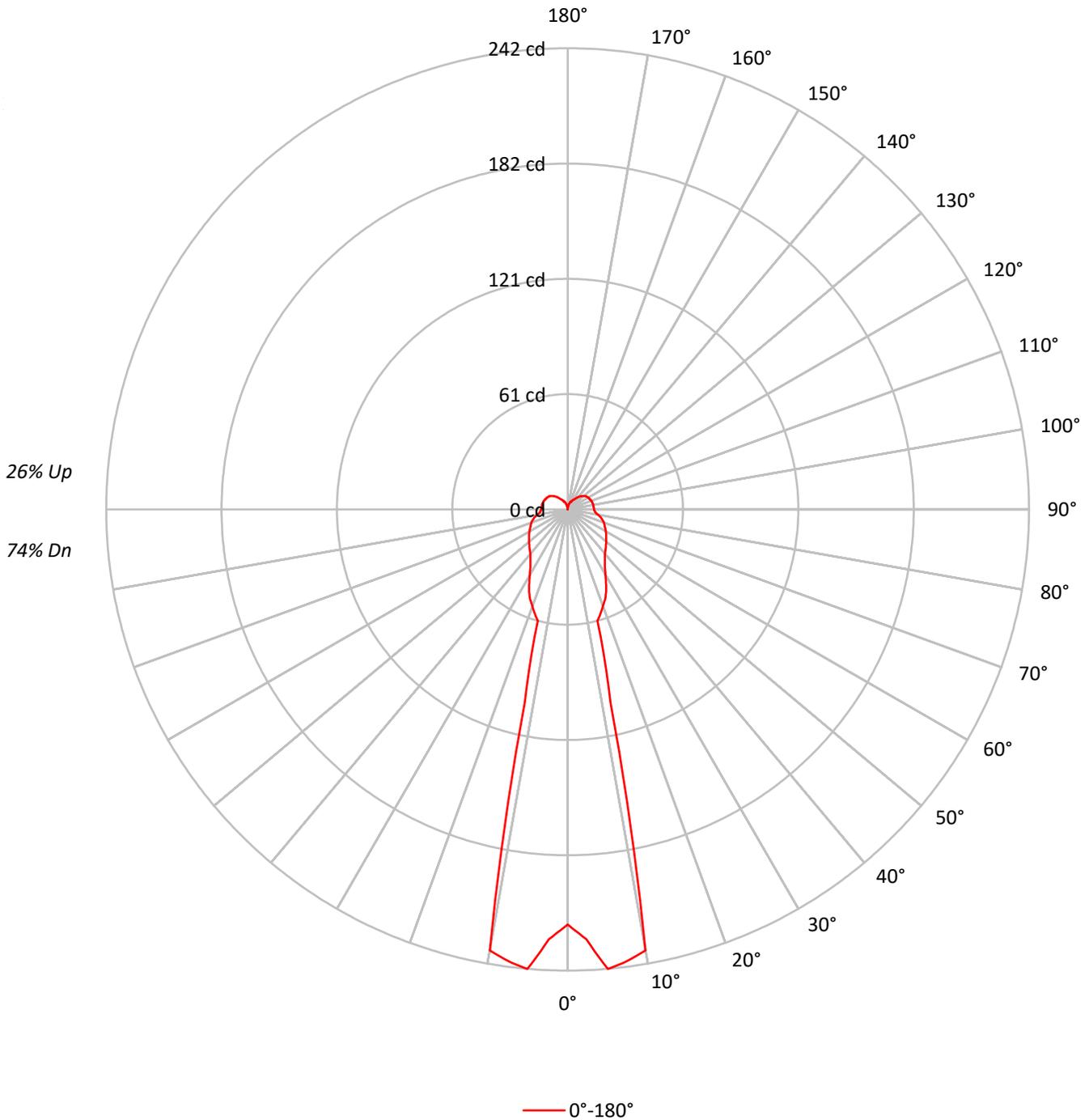
Lumens per Lamp: N/A
Luminaire Lumens: 257.9 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 6.3
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P1244955

CATALOG NUMBER: PRLX-MIN-S-930-02L-U-OW

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	43	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°	6002
5°	5970
10°	5280
15°	1257
20°	1051
25°	881
30°	700
35°	579
40°	504
45°	461
50°	424
55°	397
60°	373
65°	352
70°	337
75°	316
80°	289
85°	269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 461 cd/sqm

TEST NUMBER: P1244955

CATALOG NUMBER: PRLX-MIN-S-930-02L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	8.8
10°-20°	23.8	9.2
20°-30°	21.7	8.4
30°-40°	21.5	8.3
40°-50°	21.9	8.5
50°-60°	22.1	8.6
60°-70°	21.4	8.3
70°-80°	19.4	7.5
80°-90°	15.9	6.2
90°-100°	14.9	5.8
100°-110°	14.2	5.5
110°-120°	12.7	4.9
120°-130°	10.6	4.1
130°-140°	7.6	2.9
140°-150°	4.3	1.7
150°-160°	2.2	0.9
160°-170°	0.9	0.3
170°-180°	0.1	0.0
0°-30°	68.1	26.4
0°-40°	89.6	34.7
0°-60°	133.6	51.8
0°-90°	190.4	73.8
90°-120°	41.9	16.2
90°-150°	64.4	25.0
90°-180°	68.0	26.4
0°-180°	257.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	218	
5°	242	23
15°	60	24
25°	48	22
35°	34	21
45°	28	22
55°	25	22
65°	22	21
75°	18	19
85°	14	12
90°	14	8
95°	14	11
105°	13	14
115°	13	13
125°	12	11
135°	10	8
145°	7	4
155°	5	2
165°	3	1
175°	0	0
180°	0	

TEST NUMBER: P1244955

CATALOG NUMBER: PRLX-MIN-S-930-02L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	217.8
2.5°	225.7
5°	242.1
7.5°	239.1
10°	235.0
12.5°	104.0
15°	60.5
17.5°	57.3
20°	54.0
22.5°	51.2
25°	47.8
27.5°	43.5
30°	39.7
32.5°	36.4
35°	34.0
37.5°	32.0
40°	30.4
42.5°	29.3
45°	28.3
47.5°	27.3
50°	26.3
52.5°	25.5
55°	24.7
57.5°	23.9
60°	23.1
62.5°	22.3
65°	21.5
67.5°	20.9
70°	20.2
72.5°	19.4
75°	18.4
77.5°	17.4
80°	16.2
82.5°	15.0
85°	14.4
87.5°	14.0
90°	13.8
92.5°	13.8
95°	13.6
97.5°	13.6
100°	13.6
102.5°	13.6
105°	13.4
107.5°	13.4
110°	13.2

TEST NUMBER: P1244955

CATALOG NUMBER: PRLX-MIN-S-930-02L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.0
115°	12.8
117.5°	12.6
120°	12.5
122.5°	12.1
125°	11.9
127.5°	11.5
130°	10.9
132.5°	10.5
135°	9.7
137.5°	9.1
140°	8.3
142.5°	7.5
145°	6.7
147.5°	6.1
150°	5.7
152.5°	5.3
155°	4.7
157.5°	4.3
160°	4.0
162.5°	3.6
165°	3.0
167.5°	2.4
170°	1.6
172.5°	0.8
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	5.5	6.6	6.2	7.4	8.2	5.5	6.6	6.2	7.4	8.2
	3H	7.8	8.8	8.5	9.6	10.5	7.8	8.8	8.5	9.6	10.5
	4H	8.8	9.8	9.6	10.6	11.5	8.8	9.8	9.6	10.6	11.5
	6H	9.8	10.7	10.6	11.5	12.4	9.8	10.7	10.6	11.5	12.4
	8H	10.2	11.1	11.0	11.9	12.8	10.2	11.1	11.0	11.9	12.8
	12H	10.6	11.5	11.4	12.3	13.2	10.6	11.5	11.4	12.3	13.2
4H	2H	6.1	7.1	6.8	7.8	8.7	6.1	7.1	6.8	7.8	8.7
	3H	8.6	9.5	9.4	10.2	11.2	8.6	9.5	9.4	10.2	11.2
	4H	9.8	10.6	10.6	11.4	12.4	9.8	10.6	10.6	11.4	12.4
	6H	10.9	11.6	11.7	12.4	13.4	10.9	11.6	11.7	12.4	13.4
	8H	11.4	12.1	12.2	12.9	13.9	11.4	12.1	12.2	12.9	13.9
	12H	11.9	12.5	12.7	13.4	14.4	11.9	12.5	12.7	13.4	14.4
8H	4H	10.2	10.8	11.0	11.7	12.6	10.2	10.8	11.0	11.7	12.6
	6H	11.5	12.0	12.3	12.9	13.9	11.5	12.0	12.3	12.9	13.9
	8H	12.1	12.6	12.9	13.5	14.5	12.1	12.6	12.9	13.5	14.5
	12H	12.8	13.2	13.6	14.1	15.1	12.8	13.2	13.6	14.1	15.1
12H	4H	10.2	10.8	11.1	11.7	12.7	10.2	10.8	11.1	11.7	12.7
	6H	11.6	12.1	12.4	12.9	14.0	11.6	12.1	12.4	12.9	14.0
	8H	12.3	12.8	13.1	13.6	14.7	12.3	12.8	13.1	13.6	14.7

(END OF REPORT)