

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: P1244985

Luminaire Tested: PRLX-MIN-S-940-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244985
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-940-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

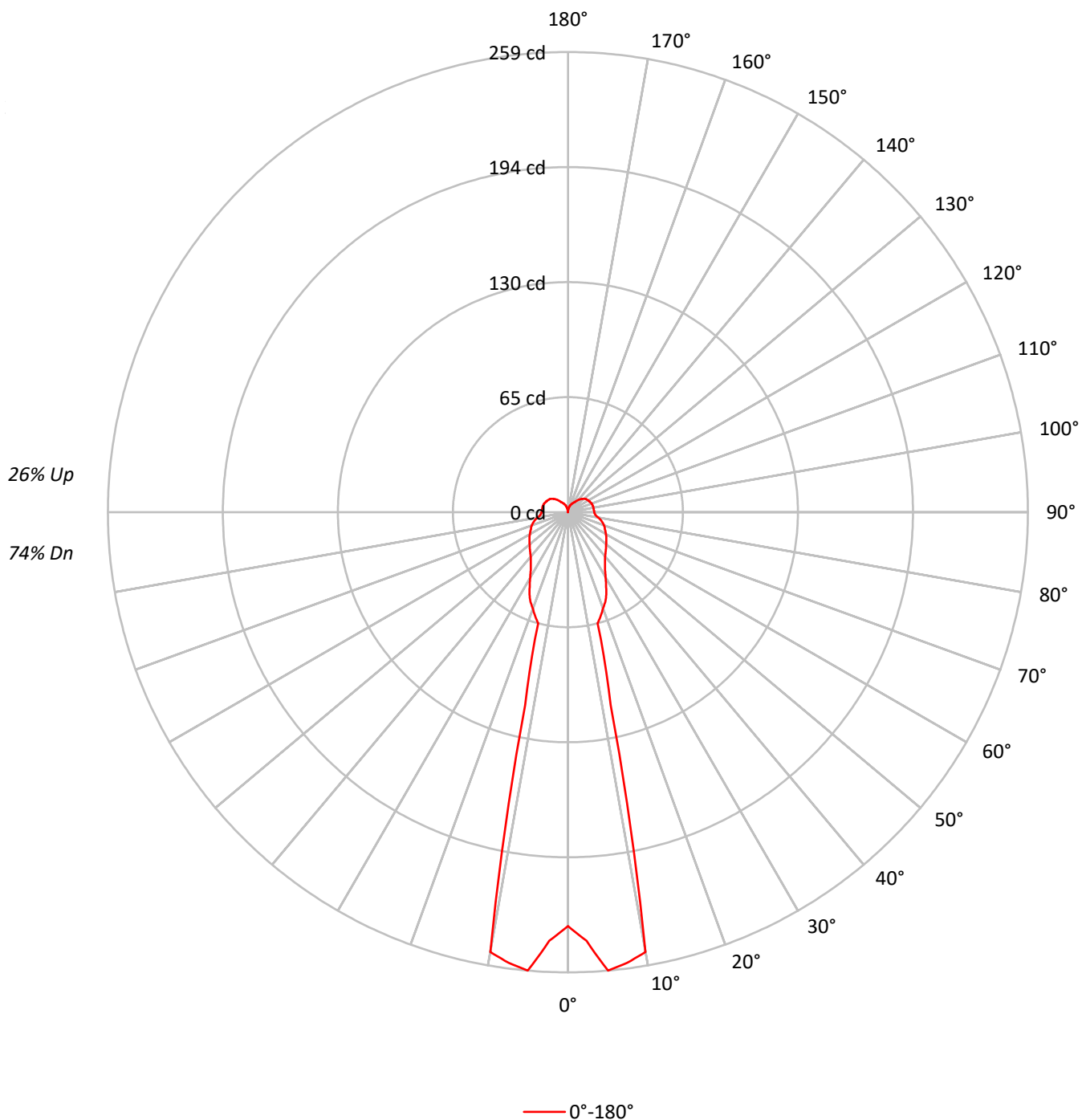
Lumens per Lamp: N/A
Luminaire Lumens: 276.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97		87	87	87		78
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58
3	85	74	66	60	80	71	63	58	64	58	53		58	53	49		52
4	78	67	58	52	74	63	56	50	58	51	46		52	47	43		47
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6420
5°	6387
10°	5648
15°	1344
20°	1123
25°	944
30°	750
35°	620
40°	541
45°	492
50°	453
55°	425
60°	399
65°	376
70°	361
75°	339
80°	309
85°	288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	8.8
10°-20°	25.5	9.2
20°-30°	23.2	8.4
30°-40°	23.0	8.3
40°-50°	23.4	8.5
50°-60°	23.7	8.6
60°-70°	22.9	8.3
70°-80°	20.7	7.5
80°-90°	17.1	6.2
90°-100°	16.0	5.8
100°-110°	15.3	5.5
110°-120°	13.6	4.9
120°-130°	11.3	4.1
130°-140°	8.1	2.9
140°-150°	4.6	1.7
150°-160°	2.4	0.9
160°-170°	0.9	0.3
170°-180°	0.1	0.0
0°-30°	72.9	26.4
0°-40°	95.9	34.7
0°-60°	143.0	51.8
0°-90°	203.7	73.8
90°-120°	44.9	16.3
90°-150°	69.0	25.0
90°-180°	72.0	26.1
0°-180°	276.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	233	
5°	259	24
15°	65	26
25°	51	23
35°	36	23
45°	30	23
55°	26	24
65°	23	23
75°	20	21
85°	15	13
90°	15	8
95°	15	12
105°	14	15
115°	14	14
125°	13	11
135°	10	8
145°	7	5
155°	5	2
165°	3	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	233.0
2.5°	241.5
5°	259.0
7.5°	255.8
10°	251.4
12.5°	111.2
15°	64.7
17.5°	61.3
20°	57.7
22.5°	54.8
25°	51.2
27.5°	46.5
30°	42.5
32.5°	38.9
35°	36.4
37.5°	34.3
40°	32.6
42.5°	31.3
45°	30.2
47.5°	29.2
50°	28.1
52.5°	27.3
55°	26.4
57.5°	25.6
60°	24.7
62.5°	23.9
65°	23.0
67.5°	22.4
70°	21.6
72.5°	20.7
75°	19.7
77.5°	18.6
80°	17.3
82.5°	16.1
85°	15.4
87.5°	15.0
90°	14.8
92.5°	14.8
95°	14.6
97.5°	14.6
100°	14.6
102.5°	14.6
105°	14.4
107.5°	14.4
110°	14.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	14.0
115°	13.7
117.5°	13.5
120°	13.3
122.5°	12.9
125°	12.7
127.5°	12.3
130°	11.6
132.5°	11.2
135°	10.4
137.5°	9.7
140°	8.9
142.5°	8.0
145°	7.2
147.5°	6.6
150°	6.1
152.5°	5.7
155°	5.1
157.5°	4.7
160°	4.2
162.5°	3.8
165°	3.2
167.5°	2.5
170°	1.7
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	5.7	6.9	6.4	7.6	8.5	5.7	6.9	6.4	7.6	8.5
	3H	8.0	9.1	8.8	9.8	10.7	8.0	9.1	8.8	9.8	10.7
	4H	9.1	10.1	9.8	10.8	11.8	9.1	10.1	9.8	10.8	11.8
	6H	10.0	11.0	10.8	11.7	12.7	10.0	11.0	10.8	11.7	12.7
	8H	10.5	11.3	11.2	12.1	13.1	10.5	11.3	11.2	12.1	13.1
	12H	10.9	11.7	11.6	12.5	13.5	10.9	11.7	11.6	12.5	13.5
4H	2H	6.3	7.3	7.0	8.1	9.0	6.3	7.3	7.0	8.1	9.0
	3H	8.8	9.7	9.6	10.5	11.4	8.8	9.7	9.6	10.5	11.4
	4H	10.0	10.8	10.8	11.6	12.6	10.0	10.8	10.8	11.6	12.6
	6H	11.2	11.9	11.9	12.7	13.6	11.2	11.9	11.9	12.7	13.6
	8H	11.7	12.3	12.5	13.1	14.1	11.7	12.3	12.5	13.1	14.1
	12H	12.2	12.8	13.0	13.6	14.6	12.2	12.8	13.0	13.6	14.6
8H	4H	10.4	11.1	11.2	11.9	12.9	10.4	11.1	11.2	11.9	12.9
	6H	11.7	12.3	12.5	13.1	14.1	11.7	12.3	12.5	13.1	14.1
	8H	12.3	12.9	13.2	13.7	14.7	12.3	12.9	13.2	13.7	14.7
	12H	13.0	13.5	13.8	14.3	15.4	13.0	13.5	13.8	14.3	15.4
12H	4H	10.5	11.1	11.3	11.9	12.9	10.5	11.1	11.3	11.9	12.9
	6H	11.8	12.3	12.7	13.2	14.2	11.8	12.3	12.7	13.2	14.2
	8H	12.5	13.0	13.4	13.8	14.9	12.5	13.0	13.4	13.8	14.9

(END OF REPORT)