

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: P1244986

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244986
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-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

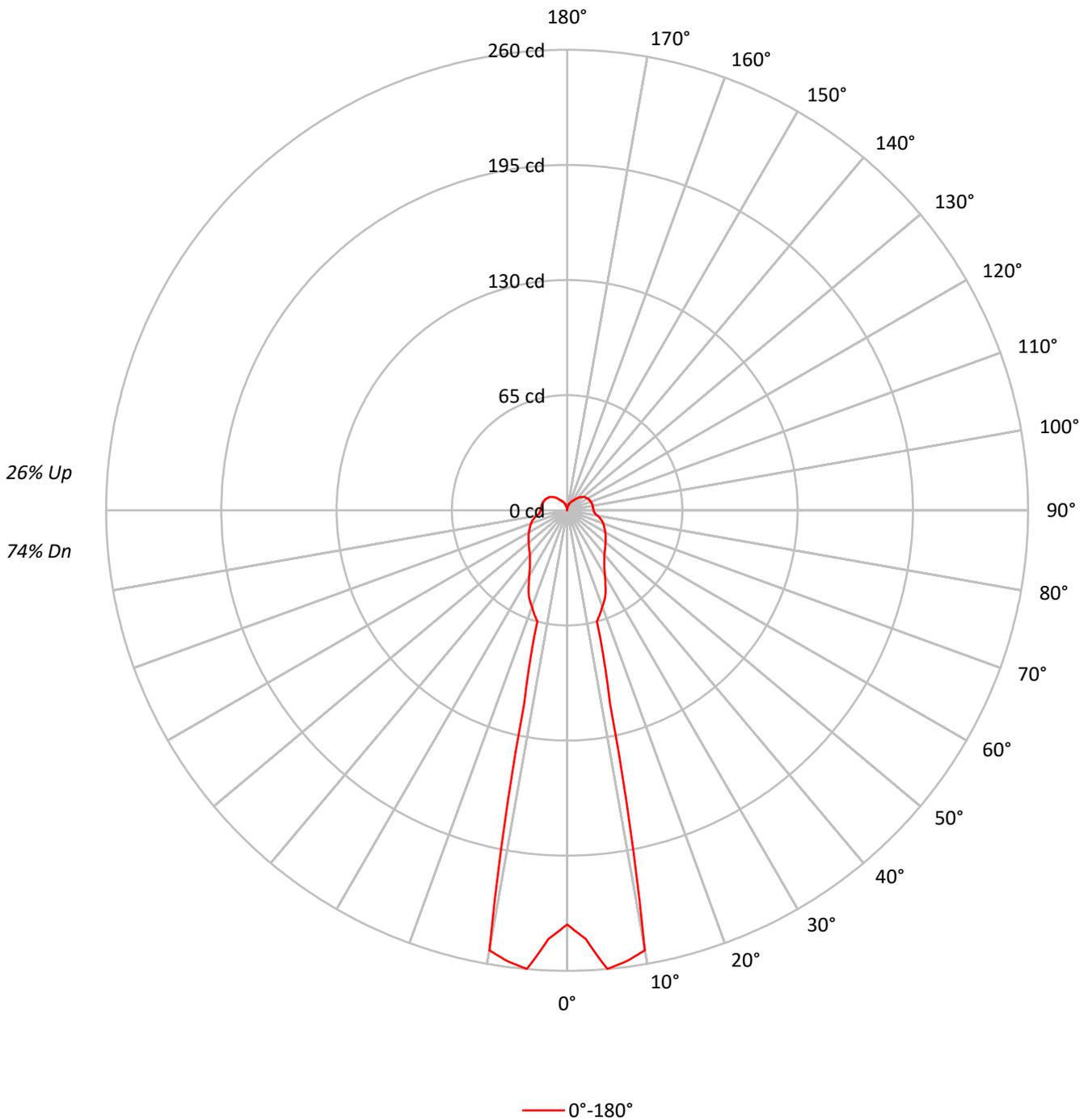
Lumens per Lamp: N/A
Luminaire Lumens: 277.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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	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°	6443
5°	6409
10°	5669
15°	1349
20°	1127
25°	948
30°	753
35°	622
40°	543
45°	494
50°	455
55°	426
60°	401
65°	378
70°	361
75°	339
80°	310
85°	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 494 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	8.8
10°-20°	25.6	9.2
20°-30°	23.3	8.4
30°-40°	23.1	8.3
40°-50°	23.5	8.5
50°-60°	23.8	8.6
60°-70°	23.0	8.3
70°-80°	20.8	7.5
80°-90°	17.1	6.2
90°-100°	16.1	5.8
100°-110°	15.3	5.5
110°-120°	13.7	4.9
120°-130°	11.3	4.1
130°-140°	8.1	2.9
140°-150°	4.7	1.7
150°-160°	2.4	0.9
160°-170°	0.9	0.3
170°-180°	0.1	0.0
0°-30°	73.2	26.4
0°-40°	96.2	34.7
0°-60°	143.5	51.8
0°-90°	204.4	73.8
90°-120°	45.0	16.3
90°-150°	69.1	25.0
90°-180°	73.0	26.4
0°-180°	277.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	234	
5°	260	24
15°	65	26
25°	51	23
35°	36	23
45°	30	23
55°	26	24
65°	23	23
75°	20	21
85°	16	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°	233.8
2.5°	242.3
5°	259.9
7.5°	256.8
10°	252.3
12.5°	111.6
15°	64.9
17.5°	61.5
20°	57.9
22.5°	55.0
25°	51.4
27.5°	46.7
30°	42.7
32.5°	39.0
35°	36.5
37.5°	34.4
40°	32.7
42.5°	31.4
45°	30.3
47.5°	29.3
50°	28.2
52.5°	27.4
55°	26.5
57.5°	25.7
60°	24.8
62.5°	24.0
65°	23.1
67.5°	22.5
70°	21.6
72.5°	20.8
75°	19.7
77.5°	18.7
80°	17.4
82.5°	16.1
85°	15.5
87.5°	15.1
90°	14.9
92.5°	14.9
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°	13.8
117.5°	13.6
120°	13.4
122.5°	12.9
125°	12.7
127.5°	12.3
130°	11.7
132.5°	11.2
135°	10.4
137.5°	9.8
140°	8.9
142.5°	8.1
145°	7.2
147.5°	6.6
150°	6.2
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	11.4	11.2	12.1	13.1	10.5	11.4	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	7.1	8.1	9.0	6.3	7.3	7.1	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	12.0	12.7	13.7	11.2	11.9	12.0	12.7	13.7
	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	12.6	13.1	14.1	11.7	12.3	12.6	13.1	14.1
	8H	12.4	12.9	13.2	13.7	14.7	12.4	12.9	13.2	13.7	14.7
	12H	13.0	13.5	13.9	14.3	15.4	13.0	13.5	13.9	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	11.9	12.4	12.7	13.2	14.2	11.9	12.4	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)