

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: P1245490

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-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

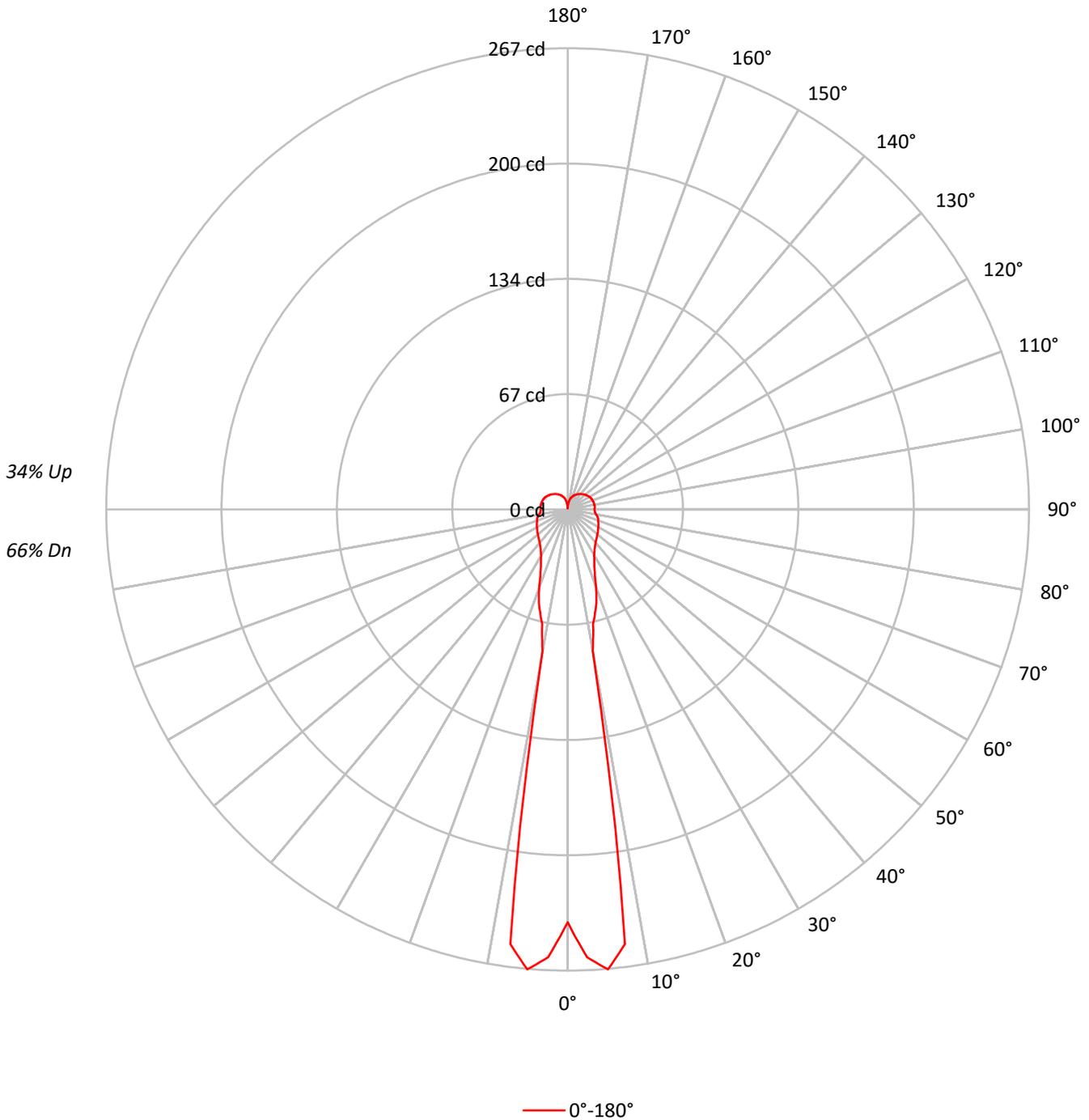
Lumens per Lamp: N/A
Luminaire Lumens: 249.9 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71	68	65	63	59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58	59	55	52	52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49	53	48	44	46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43	48	43	39	42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38	44	38	34	39	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34	40	35	31	36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31	37	32	28	33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11708
5°	10863
10°	2912
15°	1898
20°	1336
25°	934
30°	726
35°	609
40°	533
45°	483
50°	442
55°	411
60°	389
65°	371
70°	355
75°	342
80°	322
85°	312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 483 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	8.4
10°-20°	17.3	6.9
20°-30°	17.2	6.9
30°-40°	17.2	6.9
40°-50°	18.3	7.3
50°-60°	19.2	7.7
60°-70°	19.5	7.8
70°-80°	19.0	7.6
80°-90°	17.4	6.9
90°-100°	17.1	6.9
100°-110°	16.4	6.6
110°-120°	14.9	6.0
120°-130°	12.5	5.0
130°-140°	9.7	3.9
140°-150°	6.8	2.7
150°-160°	4.2	1.7
160°-170°	1.9	0.8
170°-180°	0.3	0.1
0°-30°	55.5	22.2
0°-40°	72.8	29.1
0°-60°	110.3	44.1
0°-90°	166.1	66.5
90°-120°	48.4	19.4
90°-150°	77.4	31.0
90°-180°	84.0	33.6
0°-180°	249.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	239	
5°	267	21
15°	62	17
25°	37	17
35°	27	17
45°	24	18
55°	21	19
65°	20	20
75°	18	19
85°	16	13
90°	16	9
95°	16	13
105°	16	16
115°	15	15
125°	14	12
135°	12	10
145°	11	7
155°	9	4
165°	7	2
175°	2	0
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	239.0
2.5°	259.5
5°	267.3
7.5°	253.8
10°	83.3
12.5°	68.0
15°	61.5
17.5°	55.4
20°	48.0
22.5°	41.2
25°	36.6
27.5°	33.4
30°	30.6
32.5°	28.9
35°	27.3
37.5°	26.2
40°	25.1
42.5°	24.3
45°	23.7
47.5°	23.0
50°	22.4
52.5°	22.0
55°	21.3
57.5°	20.9
60°	20.5
62.5°	20.1
65°	19.7
67.5°	19.2
70°	18.8
72.5°	18.6
75°	18.0
77.5°	17.5
80°	16.7
82.5°	16.1
85°	15.8
87.5°	15.6
90°	15.6
92.5°	15.6
95°	15.8
97.5°	15.8
100°	15.6
102.5°	15.6
105°	15.6
107.5°	15.4
110°	15.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.2
115°	15.0
117.5°	14.8
120°	14.6
122.5°	14.2
125°	13.9
127.5°	13.5
130°	13.3
132.5°	12.9
135°	12.5
137.5°	12.0
140°	11.6
142.5°	11.2
145°	10.8
147.5°	10.4
150°	9.9
152.5°	9.5
155°	8.9
157.5°	8.5
160°	7.8
162.5°	7.4
165°	6.8
167.5°	5.9
170°	4.9
172.5°	3.8
175°	2.5
177.5°	1.3
180°	0.6



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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	4.9	6.0	5.7	6.8	7.9	4.9	6.0	5.7	6.8	7.9
	3H	7.4	8.4	8.2	9.2	10.2	7.4	8.4	8.2	9.2	10.2
	4H	8.6	9.5	9.4	10.3	11.4	8.6	9.5	9.4	10.3	11.4
	6H	9.7	10.5	10.5	11.4	12.5	9.7	10.5	10.5	11.4	12.5
	8H	10.2	11.0	11.0	11.9	12.9	10.2	11.0	11.0	11.9	12.9
	12H	10.7	11.5	11.5	12.3	13.4	10.7	11.5	11.5	12.3	13.4
4H	2H	5.6	6.5	6.4	7.3	8.4	5.6	6.5	6.4	7.3	8.4
	3H	8.2	9.0	9.1	9.9	11.0	8.2	9.0	9.1	9.9	11.0
	4H	9.6	10.3	10.4	11.2	12.3	9.6	10.3	10.4	11.2	12.3
	6H	10.8	11.5	11.7	12.4	13.5	10.8	11.5	11.7	12.4	13.5
	8H	11.4	12.1	12.3	12.9	14.0	11.4	12.1	12.3	12.9	14.0
	12H	12.0	12.6	12.9	13.5	14.6	12.0	12.6	12.9	13.5	14.6
8H	4H	10.0	10.6	10.8	11.5	12.6	10.0	10.6	10.8	11.5	12.6
	6H	11.4	12.0	12.3	12.9	14.0	11.4	12.0	12.3	12.9	14.0
	8H	12.2	12.7	13.1	13.6	14.7	12.2	12.7	13.1	13.6	14.7
	12H	12.9	13.4	13.8	14.3	15.5	12.9	13.4	13.8	14.3	15.5
12H	4H	10.1	10.6	10.9	11.5	12.6	10.1	10.6	10.9	11.5	12.6
	6H	11.6	12.1	12.5	13.0	14.1	11.6	12.1	12.5	13.0	14.1
	8H	12.4	12.8	13.3	13.7	14.9	12.4	12.8	13.3	13.7	14.9

(END OF REPORT)