

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: P1245459

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245459
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-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

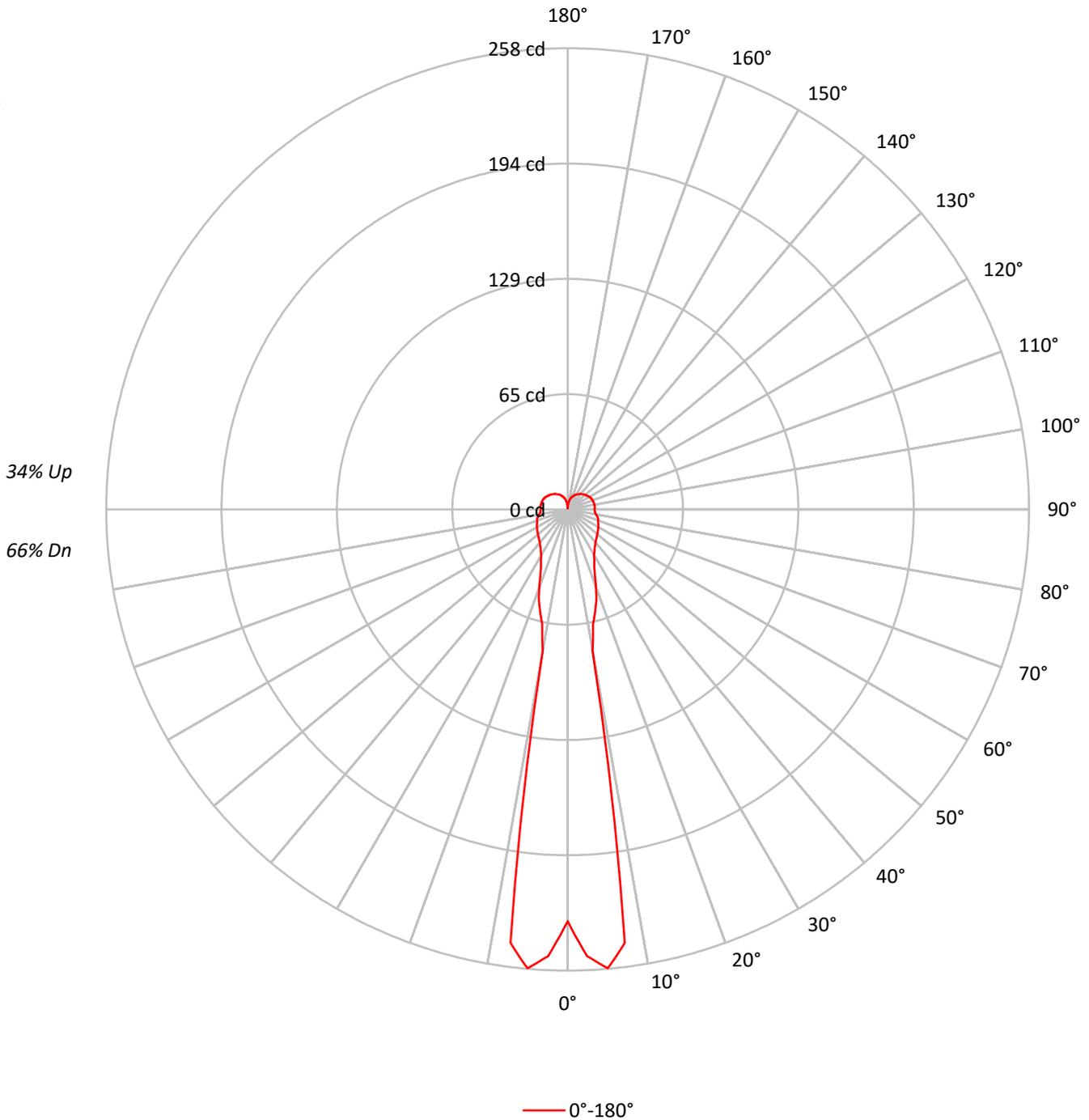
Lumens per Lamp: N/A
Luminaire Lumens: 241.1 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

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	38	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	30	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11287
5°	10473
10°	2807
15°	1830
20°	1286
25°	898
30°	699
35°	587
40°	513
45°	465
50°	426
55°	397
60°	376
65°	356
70°	341
75°	329
80°	311
85°	302

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 465 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	8.4
10°-20°	16.7	6.9
20°-30°	16.6	6.9
30°-40°	16.6	6.9
40°-50°	17.7	7.3
50°-60°	18.5	7.7
60°-70°	18.8	7.8
70°-80°	18.3	7.6
80°-90°	16.8	7.0
90°-100°	16.6	6.9
100°-110°	15.9	6.6
110°-120°	14.4	6.0
120°-130°	12.0	5.0
130°-140°	9.3	3.9
140°-150°	6.6	2.7
150°-160°	4.0	1.7
160°-170°	1.8	0.8
170°-180°	0.3	0.1
0°-30°	53.5	22.2
0°-40°	70.1	29.1
0°-60°	106.3	44.1
0°-90°	160.2	66.4
90°-120°	46.9	19.4
90°-150°	74.7	31.0
90°-180°	81.0	33.6
0°-180°	241.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	230	
5°	258	20
15°	59	17
25°	35	17
35°	26	17
45°	23	18
55°	21	19
65°	19	19
75°	17	18
85°	15	13
90°	15	8
95°	15	12
105°	15	16
115°	14	14
125°	13	12
135°	12	9
145°	10	7
155°	9	4
165°	6	2
175°	2	0
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	230.4
2.5°	250.1
5°	257.7
7.5°	244.6
10°	80.3
12.5°	65.6
15°	59.3
17.5°	53.4
20°	46.2
22.5°	39.7
25°	35.2
27.5°	32.2
30°	29.5
32.5°	27.9
35°	26.3
37.5°	25.3
40°	24.2
42.5°	23.4
45°	22.8
47.5°	22.2
50°	21.6
52.5°	21.2
55°	20.6
57.5°	20.2
60°	19.8
62.5°	19.4
65°	18.9
67.5°	18.5
70°	18.1
72.5°	17.9
75°	17.3
77.5°	16.9
80°	16.1
82.5°	15.5
85°	15.3
87.5°	15.1
90°	15.1
92.5°	15.1
95°	15.3
97.5°	15.3
100°	15.1
102.5°	15.1
105°	15.1
107.5°	14.9
110°	14.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	14.7
115°	14.5
117.5°	14.3
120°	14.1
122.5°	13.6
125°	13.4
127.5°	13.0
130°	12.8
132.5°	12.4
135°	12.0
137.5°	11.6
140°	11.2
142.5°	10.8
145°	10.4
147.5°	10.0
150°	9.6
152.5°	9.2
155°	8.6
157.5°	8.1
160°	7.5
162.5°	7.1
165°	6.5
167.5°	5.7
170°	4.7
172.5°	3.7
175°	2.4
177.5°	1.2
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	4.8	5.9	5.6	6.7	7.7	4.8	5.9	5.6	6.7	7.7
	3H	7.3	8.2	8.1	9.1	10.1	7.3	8.2	8.1	9.1	10.1
	4H	8.4	9.4	9.2	10.2	11.3	8.4	9.4	9.2	10.2	11.3
	6H	9.5	10.4	10.4	11.3	12.3	9.5	10.4	10.4	11.3	12.3
	8H	10.0	10.9	10.9	11.7	12.8	10.0	10.9	10.9	11.7	12.8
	12H	10.5	11.3	11.4	12.2	13.3	10.5	11.3	11.4	12.2	13.3
4H	2H	5.4	6.4	6.3	7.2	8.3	5.4	6.4	6.3	7.2	8.3
	3H	8.1	8.9	8.9	9.8	10.8	8.1	8.9	8.9	9.8	10.8
	4H	9.4	10.2	10.3	11.0	12.1	9.4	10.2	10.3	11.0	12.1
	6H	10.7	11.4	11.6	12.3	13.3	10.7	11.4	11.6	12.3	13.3
	8H	11.3	11.9	12.2	12.8	13.9	11.3	11.9	12.2	12.8	13.9
	12H	11.9	12.5	12.8	13.4	14.5	11.9	12.5	12.8	13.4	14.5
8H	4H	9.8	10.5	10.7	11.4	12.5	9.8	10.5	10.7	11.4	12.5
	6H	11.3	11.8	12.2	12.8	13.9	11.3	11.8	12.2	12.8	13.9
	8H	12.0	12.5	12.9	13.4	14.6	12.0	12.5	12.9	13.4	14.6
	12H	12.8	13.2	13.7	14.2	15.3	12.8	13.2	13.7	14.2	15.3
12H	4H	9.9	10.5	10.8	11.4	12.5	9.9	10.5	10.8	11.4	12.5
	6H	11.5	11.9	12.4	12.8	14.0	11.5	11.9	12.4	12.8	14.0
	8H	12.3	12.7	13.2	13.6	14.8	12.3	12.7	13.2	13.6	14.8

(END OF REPORT)