

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: P1245474

Luminaire Tested: PRLX-UNA-S-935-02L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245474
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-935-02L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

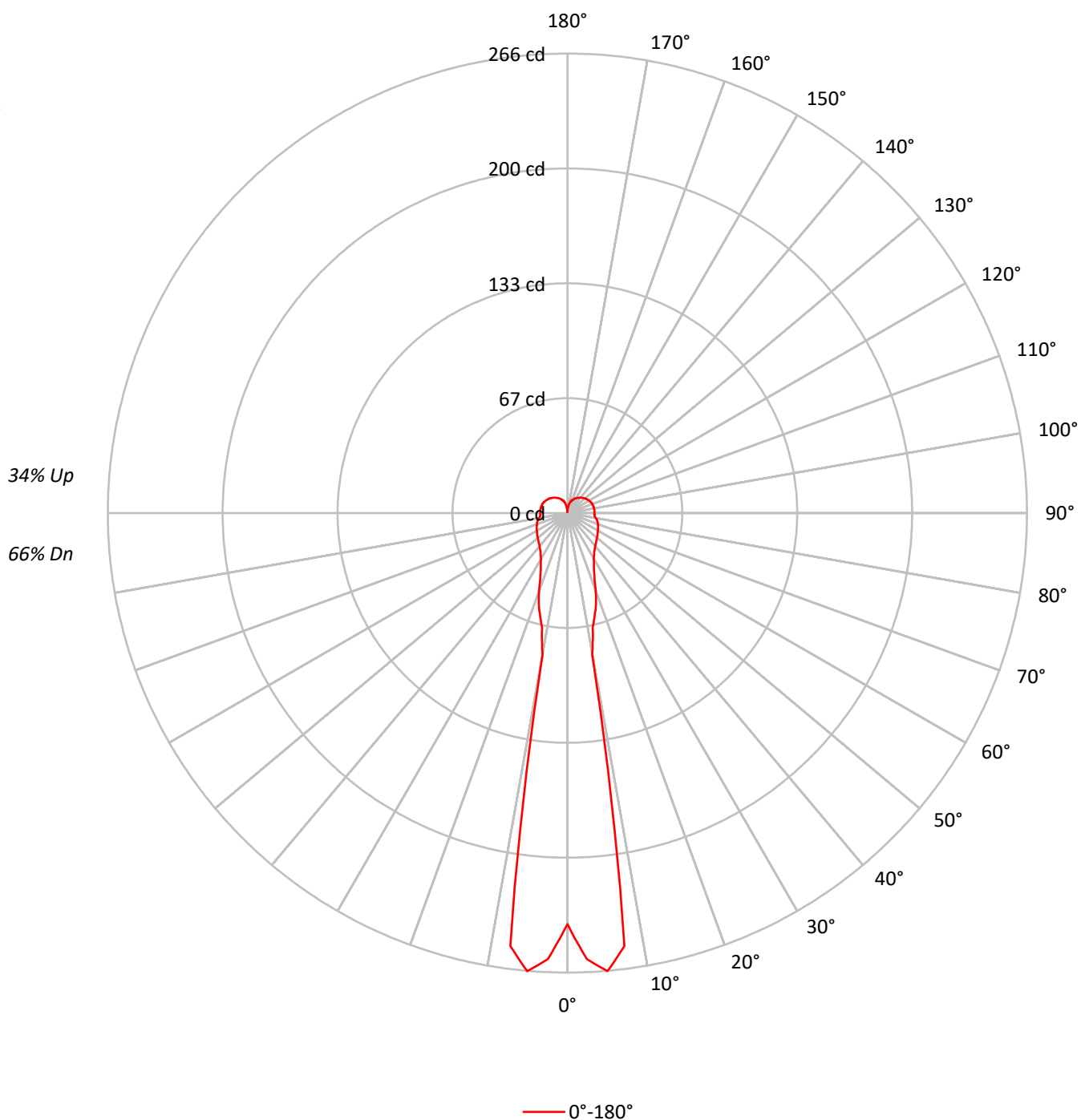
Lumens per Lamp: N/A
Luminaire Lumens: 249.1 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 6.3
Input Voltage (V): NR
Input Current (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	30	10	
RCR																						
0	111	111	111	111		105	105	105	105		92	92	92		81	81	81		71	71	71	
1	99	94	89	84		93	88	84	80		78	74	71		68	65	63		59	57	55	
2	90	81	74	68		84	77	70	65		68	63	58		59	55	52		52	49	46	
3	82	72	64	57		77	68	60	55		60	54	49		53	48	44		46	43	40	
4	76	64	56	49		71	61	53	47		54	48	43		48	43	39		42	38	35	
5	70	58	49	43		66	55	47	41		49	43	38		44	38	34		38	34	31	
6	65	53	44	38		61	50	42	37		45	39	34		40	35	31		36	32	28	
7	61	48	40	35		57	46	39	33		42	35	31		37	32	28		33	29	26	
8	57	45	37	31		54	43	35	30		39	33	28		35	30	26		31	27	24	
9	54	42	34	29		51	40	33	28		36	30	26		33	28	24		30	26	23	
10	51	39	32	27		48	37	30	26		34	28	24		31	26	23		28	24	21	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11659
5°	10819
10°	2898
15°	1889
20°	1330
25°	928
30°	723
35°	605
40°	530
45°	481
50°	440
55°	411
60°	388
65°	370
70°	353
75°	340
80°	321
85°	312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	8.4
10°-20°	17.2	6.9
20°-30°	17.1	6.9
30°-40°	17.2	6.9
40°-50°	18.2	7.3
50°-60°	19.1	7.7
60°-70°	19.4	7.8
70°-80°	18.9	7.6
80°-90°	17.3	7.0
90°-100°	17.1	6.9
100°-110°	16.4	6.6
110°-120°	14.8	6.0
120°-130°	12.4	5.0
130°-140°	9.6	3.9
140°-150°	6.8	2.7
150°-160°	4.1	1.7
160°-170°	1.9	0.8
170°-180°	0.3	0.1
0°-30°	55.3	22.2
0°-40°	72.4	29.1
0°-60°	109.8	44.1
0°-90°	165.5	66.4
90°-120°	48.4	19.4
90°-150°	77.2	31.0
90°-180°	84.0	33.7
0°-180°	249.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	238	
5°	266	21
15°	61	17
25°	36	17
35°	27	17
45°	24	18
55°	21	19
65°	20	19
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°	238.0
2.5°	258.4
5°	266.2
7.5°	252.8
10°	82.9
12.5°	67.8
15°	61.2
17.5°	55.1
20°	47.8
22.5°	41.0
25°	36.4
27.5°	33.3
30°	30.5
32.5°	28.8
35°	27.1
37.5°	26.1
40°	25.0
42.5°	24.2
45°	23.6
47.5°	22.9
50°	22.3
52.5°	21.9
55°	21.3
57.5°	20.8
60°	20.4
62.5°	20.0
65°	19.6
67.5°	19.2
70°	18.7
72.5°	18.5
75°	17.9
77.5°	17.5
80°	16.6
82.5°	16.0
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°	14.9
117.5°	14.7
120°	14.5
122.5°	14.1
125°	13.9
127.5°	13.5
130°	13.3
132.5°	12.8
135°	12.4
137.5°	12.0
140°	11.6
142.5°	11.2
145°	10.7
147.5°	10.3
150°	9.9
152.5°	9.5
155°	8.8
157.5°	8.4
160°	7.8
162.5°	7.4
165°	6.7
167.5°	5.9
170°	4.8
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	7.8	4.9	6.0	5.7	6.8	7.8
	3H	7.4	8.4	8.2	9.2	10.2	7.4	8.4	8.2	9.2	10.2
	4H	8.5	9.5	9.4	10.3	11.4	8.5	9.5	9.4	10.3	11.4
	6H	9.7	10.5	10.5	11.4	12.4	9.7	10.5	10.5	11.4	12.4
	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	5.5	6.5	6.4	7.3	8.4	5.5	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	9.5	10.3	10.4	11.2	12.2	9.5	10.3	10.4	11.2	12.2
	6H	10.8	11.5	11.7	12.4	13.5	10.8	11.5	11.7	12.4	13.5
	8H	11.4	12.0	12.3	12.9	14.0	11.4	12.0	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	12.6	13.1	13.6	14.7	12.2	12.6	13.1	13.6	14.7
	12H	12.9	13.4	13.8	14.3	15.4	12.9	13.4	13.8	14.3	15.4
12H	4H	10.0	10.6	10.9	11.5	12.6	10.0	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)