

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: P1245311

Luminaire Tested: PRLX-UNA-L-930-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-930-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

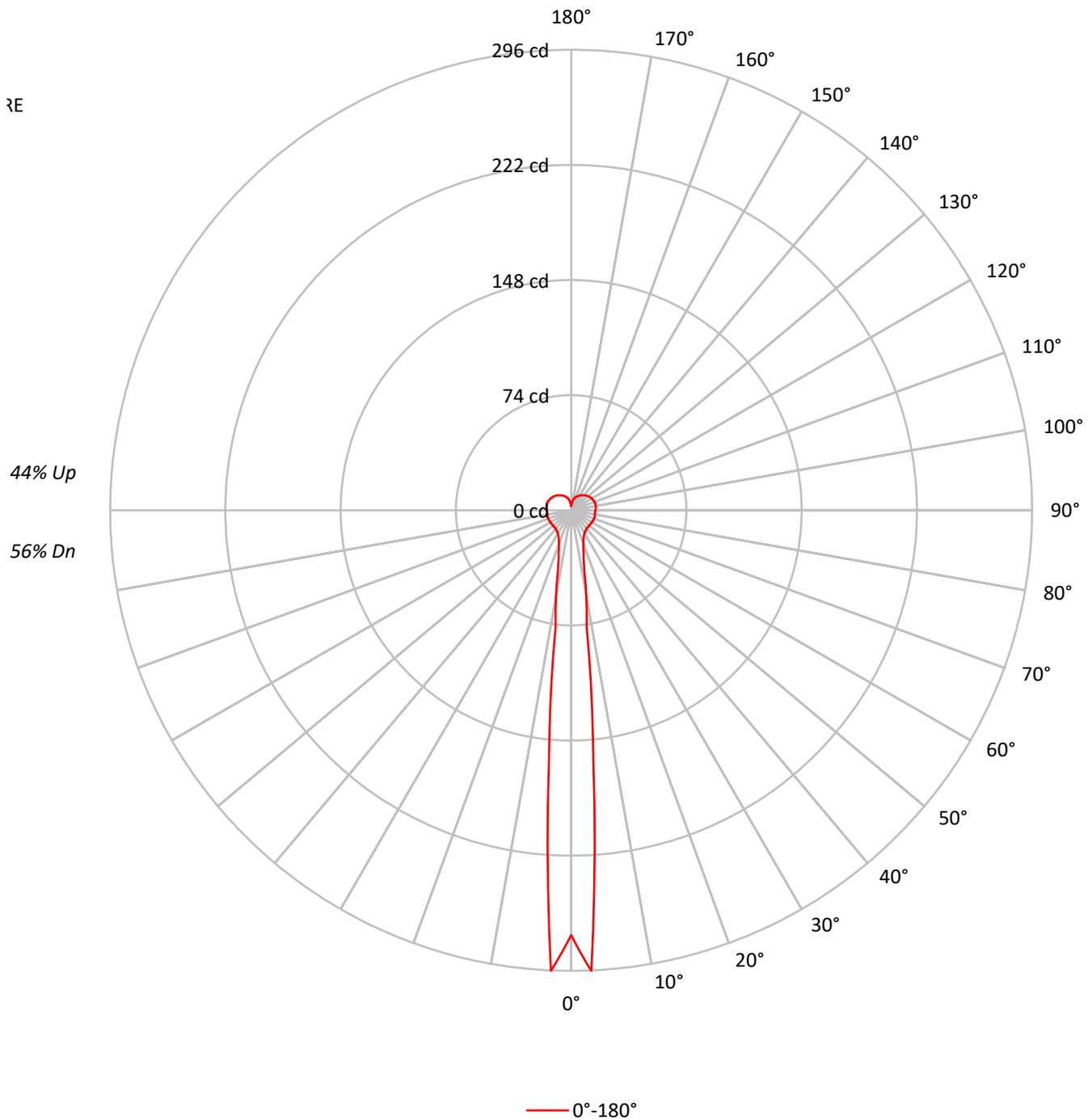
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 202.9 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	64	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	49	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8637
5°	4048
10°	1137
15°	535
20°	353
25°	262
30°	216
35°	188
40°	169
45°	160
50°	152
55°	148
60°	145
65°	144
70°	144
75°	145
80°	143
85°	145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 160 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	6.0
10°-20°	9.1	4.5
20°-30°	8.9	4.4
30°-40°	10.1	5.0
40°-50°	11.8	5.8
50°-60°	13.7	6.8
60°-70°	15.4	7.6
70°-80°	16.5	8.1
80°-90°	16.9	8.3
90°-100°	17.3	8.5
100°-110°	17.0	8.4
110°-120°	15.5	7.6
120°-130°	13.2	6.5
130°-140°	10.4	5.1
140°-150°	7.4	3.7
150°-160°	4.7	2.3
160°-170°	2.3	1.1
170°-180°	0.5	0.2
0°-30°	30.2	14.9
0°-40°	40.3	19.9
0°-60°	65.9	32.5
0°-90°	114.6	56.5
90°-120°	49.8	24.5
90°-150°	80.9	39.9
90°-180°	88.0	43.4
0°-180°	202.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	273	
5°	164	12
15°	31	9
25°	19	9
35°	16	10
45°	15	12
55°	15	14
65°	16	15
75°	16	17
85°	15	13
90°	16	9
95°	16	13
105°	16	17
115°	16	15
125°	15	13
135°	13	10
145°	12	7
155°	10	5
165°	8	2
175°	4	0
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	273.0
2.5°	296.3
5°	164.1
7.5°	76.1
10°	55.9
12.5°	38.5
15°	30.7
17.5°	26.2
20°	23.0
22.5°	20.6
25°	19.0
27.5°	17.9
30°	17.1
32.5°	16.5
35°	16.1
37.5°	15.7
40°	15.4
42.5°	15.3
45°	15.3
47.5°	15.2
50°	15.2
52.5°	15.3
55°	15.3
57.5°	15.3
60°	15.3
62.5°	15.4
65°	15.5
67.5°	15.6
70°	15.6
72.5°	15.7
75°	15.7
77.5°	15.6
80°	15.4
82.5°	15.4
85°	15.4
87.5°	15.5
90°	15.6
92.5°	15.8
95°	15.9
97.5°	16.0
100°	16.1
102.5°	16.1
105°	16.1
107.5°	16.0
110°	15.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	15.8
115°	15.6
117.5°	15.4
120°	15.3
122.5°	15.0
125°	14.7
127.5°	14.4
130°	14.2
132.5°	13.8
135°	13.4
137.5°	13.1
140°	12.6
142.5°	12.3
145°	11.8
147.5°	11.4
150°	11.0
152.5°	10.5
155°	10.1
157.5°	9.6
160°	9.1
162.5°	8.6
165°	8.0
167.5°	7.3
170°	6.4
172.5°	5.4
175°	4.2
177.5°	3.1
180°	2.7

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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	0.8	1.8	1.6	2.7	3.9	0.8	1.8	1.6	2.7	3.9
	3H	3.6	4.5	4.5	5.5	6.6	3.6	4.5	4.5	5.5	6.6
	4H	5.0	5.9	5.9	6.8	8.0	5.0	5.9	5.9	6.8	8.0
	6H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	8H	7.0	7.8	7.9	8.7	9.9	7.0	7.8	7.9	8.7	9.9
	12H	7.6	8.4	8.5	9.3	10.5	7.6	8.4	8.5	9.3	10.5
4H	2H	1.5	2.4	2.4	3.3	4.5	1.5	2.4	2.4	3.3	4.5
	3H	4.5	5.3	5.4	6.3	7.5	4.5	5.3	5.4	6.3	7.5
	4H	6.1	6.8	7.0	7.7	9.0	6.1	6.8	7.0	7.7	9.0
	6H	7.6	8.2	8.5	9.2	10.4	7.6	8.2	8.5	9.2	10.4
	8H	8.3	8.9	9.2	9.9	11.1	8.3	8.9	9.2	9.9	11.1
	12H	9.0	9.6	10.0	10.6	11.8	9.0	9.6	10.0	10.6	11.8
8H	4H	6.5	7.1	7.5	8.1	9.4	6.5	7.1	7.5	8.1	9.4
	6H	8.3	8.8	9.2	9.8	11.0	8.3	8.8	9.2	9.8	11.0
	8H	9.1	9.6	10.1	10.6	11.9	9.1	9.6	10.1	10.6	11.9
	12H	10.0	10.5	11.0	11.4	12.8	10.0	10.5	11.0	11.4	12.8
12H	4H	6.6	7.2	7.6	8.2	9.4	6.6	7.2	7.6	8.2	9.4
	6H	8.4	8.9	9.4	9.9	11.2	8.4	8.9	9.4	9.9	11.2
	8H	9.4	9.8	10.4	10.8	12.1	9.4	9.8	10.4	10.8	12.1

(END OF REPORT)