

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: P1244910

Luminaire Tested: PRLX-MIN-M-935-01L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-MIN-M-935-01L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

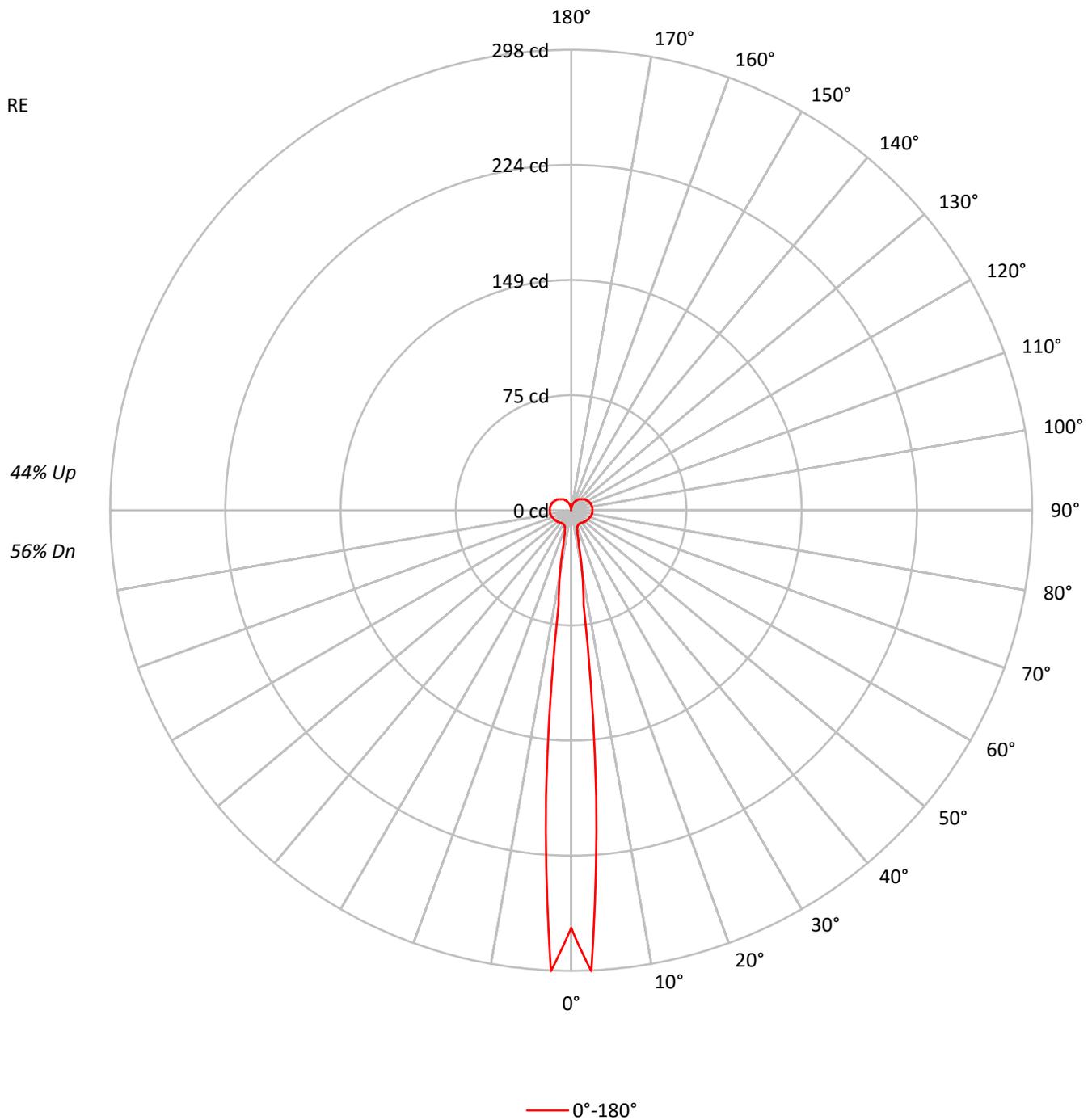
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 159.4 lumens
Efficiency: N/A
Efficacy: 25.3 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	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	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	30
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	30	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	18	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13847
5°	7001
10°	1255
15°	400
20°	251
25°	203
30°	177
35°	162
40°	157
45°	154
50°	152
55°	151
60°	152
65°	153
70°	156
75°	160
80°	162
85°	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	7.5
10°-20°	5.2	3.3
20°-30°	4.9	3.1
30°-40°	6.5	4.1
40°-50°	8.5	5.3
50°-60°	10.6	6.6
60°-70°	12.5	7.8
70°-80°	14.2	8.9
80°-90°	15.0	9.4
90°-100°	15.0	9.4
100°-110°	14.2	8.9
110°-120°	12.7	8.0
120°-130°	10.5	6.6
130°-140°	7.9	5.0
140°-150°	5.4	3.4
150°-160°	3.0	1.9
160°-170°	1.2	0.8
170°-180°	0.1	0.1
0°-30°	22.0	13.8
0°-40°	28.5	17.9
0°-60°	47.6	29.9
0°-90°	89.3	56.0
90°-120°	41.9	26.3
90°-150°	65.7	41.2
90°-180°	70.0	43.9
0°-180°	159.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	270	
5°	186	12
15°	16	5
25°	11	5
35°	10	6
45°	11	9
55°	12	11
65°	13	13
75°	13	14
85°	14	11
90°	14	8
95°	14	11
105°	13	14
115°	13	13
125°	12	10
135°	10	8
145°	9	5
155°	7	3
165°	4	1
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	270.2
2.5°	298.5
5°	185.9
7.5°	61.6
10°	41.9
12.5°	22.9
15°	16.0
17.5°	13.2
20°	11.6
22.5°	11.0
25°	10.6
27.5°	10.2
30°	10.2
32.5°	10.2
35°	10.2
37.5°	10.4
40°	10.6
42.5°	10.8
45°	11.0
47.5°	11.2
50°	11.4
52.5°	11.6
55°	11.8
57.5°	12.0
60°	12.2
62.5°	12.4
65°	12.6
67.5°	12.8
70°	13.0
72.5°	13.2
75°	13.4
77.5°	13.6
80°	13.6
82.5°	13.8
85°	13.8
87.5°	13.8
90°	13.8
92.5°	13.8
95°	13.8
97.5°	13.8
100°	13.6
102.5°	13.6
105°	13.4
107.5°	13.4
110°	13.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.0
115°	12.8
117.5°	12.6
120°	12.2
122.5°	12.0
125°	11.6
127.5°	11.4
130°	11.0
132.5°	10.6
135°	10.2
137.5°	9.8
140°	9.4
142.5°	9.0
145°	8.6
147.5°	8.2
150°	7.6
152.5°	7.0
155°	6.6
157.5°	6.0
160°	5.4
162.5°	5.0
165°	4.2
167.5°	3.4
170°	2.4
172.5°	1.4
175°	0.4
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	0.8	1.8	1.7	2.8	3.9	0.8	1.8	1.7	2.8	3.9
	3H	3.9	4.8	4.7	5.7	6.9	3.9	4.8	4.7	5.7	6.9
	4H	5.3	6.3	6.3	7.2	8.4	5.3	6.3	6.3	7.2	8.4
	6H	6.8	7.7	7.7	8.6	9.8	6.8	7.7	7.7	8.6	9.8
	8H	7.5	8.3	8.5	9.3	10.5	7.5	8.3	8.5	9.3	10.5
	12H	8.2	9.0	9.2	10.0	11.2	8.2	9.0	9.2	10.0	11.2
4H	2H	1.6	2.5	2.5	3.4	4.6	1.6	2.5	2.5	3.4	4.6
	3H	4.8	5.6	5.7	6.6	7.8	4.8	5.6	5.7	6.6	7.8
	4H	6.5	7.2	7.4	8.1	9.4	6.5	7.2	7.4	8.1	9.4
	6H	8.1	8.8	9.0	9.7	11.0	8.1	8.8	9.0	9.7	11.0
	8H	8.9	9.5	9.8	10.5	11.8	8.9	9.5	9.8	10.5	11.8
	12H	9.7	10.3	10.7	11.3	12.5	9.7	10.3	10.7	11.3	12.5
8H	4H	7.0	7.6	7.9	8.6	9.8	7.0	7.6	7.9	8.6	9.8
	6H	8.8	9.4	9.8	10.4	11.6	8.8	9.4	9.8	10.4	11.6
	8H	9.8	10.3	10.8	11.3	12.5	9.8	10.3	10.8	11.3	12.5
	12H	10.8	11.2	11.7	12.2	13.5	10.8	11.2	11.7	12.2	13.5
12H	4H	7.1	7.7	8.1	8.7	9.9	7.1	7.7	8.1	8.7	9.9
	6H	9.0	9.5	10.0	10.5	11.8	9.0	9.5	10.0	10.5	11.8
	8H	10.1	10.5	11.0	11.5	12.8	10.1	10.5	11.0	11.5	12.8

(END OF REPORT)