

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: P1244919

Luminaire Tested: PRLX-MIN-M-935-06L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244919
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: PrentaLux
Catalog Number: PRLX-MIN-M-935-06L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

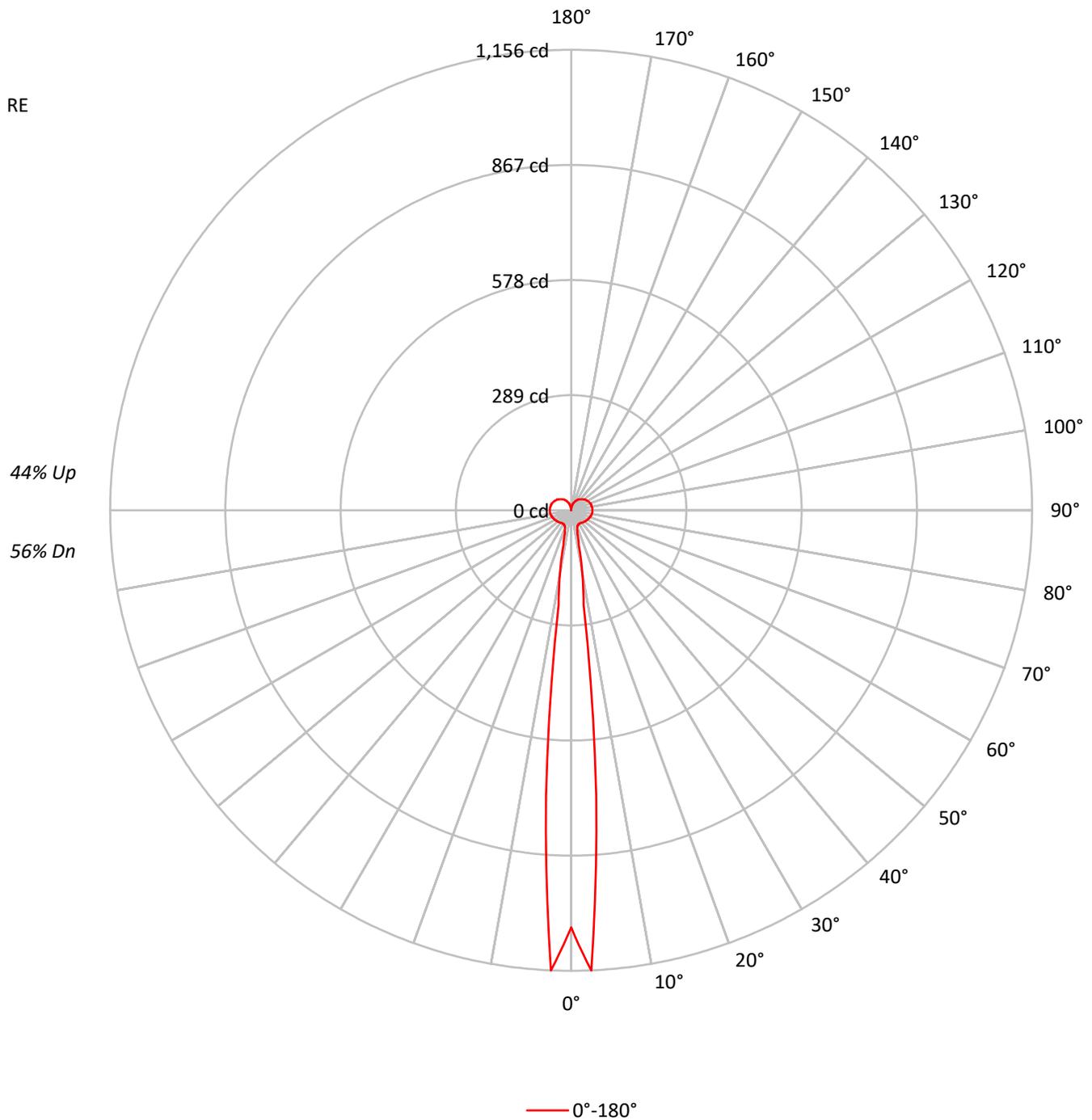
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.0 lumens
Efficiency: N/A
Efficacy: 28.9 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): 21.3
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	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	31
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	31	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	19	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°	53646
5°	27117
10°	4858
15°	1546
20°	969
25°	784
30°	683
35°	627
40°	607
45°	594
50°	586
55°	584
60°	586
65°	592
70°	602
75°	618
80°	627
85°	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 653 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	7.5
10°-20°	20.2	3.3
20°-30°	19.0	3.1
30°-40°	25.0	4.1
40°-50°	32.9	5.3
50°-60°	40.9	6.6
60°-70°	48.3	7.8
70°-80°	54.7	8.9
80°-90°	58.0	9.4
90°-100°	58.0	9.4
100°-110°	55.0	8.9
110°-120°	49.0	8.0
120°-130°	40.4	6.6
130°-140°	30.6	5.0
140°-150°	20.9	3.4
150°-160°	11.8	1.9
160°-170°	4.7	0.8
170°-180°	0.4	0.1
0°-30°	85.2	13.8
0°-40°	110.3	17.9
0°-60°	184.1	29.9
0°-90°	345.2	56.0
90°-120°	162.0	26.3
90°-150°	253.9	41.2
90°-180°	271.0	44.0
0°-180°	616.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1047	
5°	720	46
15°	62	20
25°	41	19
35°	39	25
45°	42	33
55°	46	41
65°	49	48
75°	52	55
85°	53	43
90°	53	29
95°	53	43
105°	52	55
115°	49	49
125°	45	40
135°	39	31
145°	33	21
155°	26	12
165°	16	5
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1046.8
2.5°	1156.5
5°	720.0
7.5°	238.7
10°	162.2
12.5°	88.8
15°	61.8
17.5°	51.0
20°	44.8
22.5°	42.5
25°	40.9
27.5°	39.4
30°	39.4
32.5°	39.4
35°	39.4
37.5°	40.2
40°	40.9
42.5°	41.7
45°	42.5
47.5°	43.3
50°	44.0
52.5°	44.8
55°	45.6
57.5°	46.4
60°	47.1
62.5°	47.9
65°	48.7
67.5°	49.4
70°	50.2
72.5°	51.0
75°	51.8
77.5°	52.5
80°	52.5
82.5°	53.3
85°	53.3
87.5°	53.3
90°	53.3
92.5°	53.3
95°	53.3
97.5°	53.3
100°	52.5
102.5°	52.5
105°	51.8
107.5°	51.8
110°	51.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.2
115°	49.4
117.5°	48.7
120°	47.1
122.5°	46.4
125°	44.8
127.5°	44.0
130°	42.5
132.5°	40.9
135°	39.4
137.5°	37.9
140°	36.3
142.5°	34.8
145°	33.2
147.5°	31.7
150°	29.4
152.5°	27.0
155°	25.5
157.5°	23.2
160°	20.9
162.5°	19.3
165°	16.2
167.5°	13.1
170°	9.3
172.5°	5.4
175°	1.5
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	5.5	6.5	6.4	7.5	8.6	5.5	6.5	6.4	7.5	8.6
	3H	8.6	9.5	9.4	10.4	11.6	8.6	9.5	9.4	10.4	11.6
	4H	10.0	10.9	10.9	11.9	13.1	10.0	10.9	10.9	11.9	13.1
	6H	11.5	12.4	12.4	13.3	14.5	11.5	12.4	12.4	13.3	14.5
	8H	12.2	13.0	13.2	14.0	15.2	12.2	13.0	13.2	14.0	15.2
	12H	12.9	13.7	13.8	14.6	15.9	12.9	13.7	13.8	14.6	15.9
4H	2H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	3H	9.5	10.3	10.4	11.3	12.5	9.5	10.3	10.4	11.3	12.5
	4H	11.2	11.9	12.1	12.8	14.1	11.2	11.9	12.1	12.8	14.1
	6H	12.8	13.5	13.7	14.4	15.7	12.8	13.5	13.7	14.4	15.7
	8H	13.6	14.2	14.5	15.2	16.4	13.6	14.2	14.5	15.2	16.4
	12H	14.4	15.0	15.4	15.9	17.2	14.4	15.0	15.4	15.9	17.2
8H	4H	11.7	12.3	12.6	13.3	14.5	11.7	12.3	12.6	13.3	14.5
	6H	13.5	14.1	14.5	15.1	16.3	13.5	14.1	14.5	15.1	16.3
	8H	14.5	15.0	15.5	16.0	17.2	14.5	15.0	15.5	16.0	17.2
	12H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
12H	4H	11.8	12.4	12.8	13.4	14.6	11.8	12.4	12.8	13.4	14.6
	6H	13.7	14.2	14.7	15.2	16.5	13.7	14.2	14.7	15.2	16.5
	8H	14.8	15.2	15.7	16.2	17.5	14.8	15.2	15.7	16.2	17.5

(END OF REPORT)