

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: P1244904

Luminaire Tested: PRLX-MIN-M-930-06L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244904
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-930-06L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

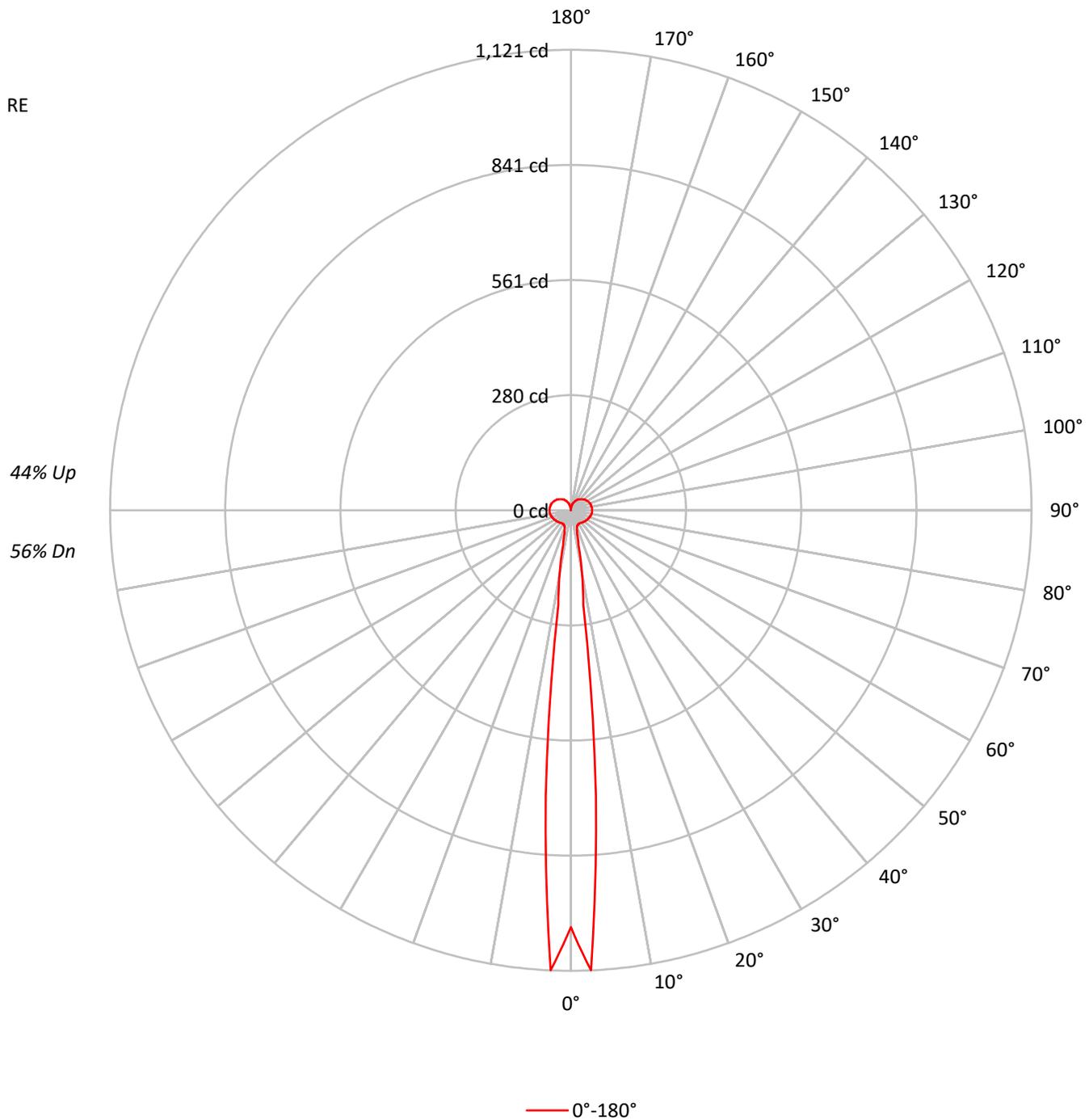
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 597.1 lumens
Efficiency: N/A
Efficacy: 28.0 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 (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	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	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°	51995
5°	26281
10°	4708
15°	1499
20°	938
25°	761
30°	662
35°	608
40°	589
45°	576
50°	569
55°	566
60°	568
65°	574
70°	584
75°	598
80°	608
85°	623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	7.5
10°-20°	19.5	3.3
20°-30°	18.4	3.1
30°-40°	24.2	4.1
40°-50°	31.9	5.3
50°-60°	39.7	6.6
60°-70°	46.8	7.8
70°-80°	53.0	8.9
80°-90°	56.3	9.4
90°-100°	56.3	9.4
100°-110°	53.3	8.9
110°-120°	47.5	8.0
120°-130°	39.2	6.6
130°-140°	29.6	5.0
140°-150°	20.3	3.4
150°-160°	11.4	1.9
160°-170°	4.5	0.8
170°-180°	0.4	0.1
0°-30°	82.6	13.8
0°-40°	106.9	17.9
0°-60°	178.4	29.9
0°-90°	334.6	56.0
90°-120°	157.1	26.3
90°-150°	246.2	41.2
90°-180°	263.0	44.0
0°-180°	597.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1015	
5°	698	45
15°	60	20
25°	40	18
35°	38	24
45°	41	32
55°	44	40
65°	47	47
75°	50	53
85°	52	42
90°	52	28
95°	52	42
105°	50	53
115°	48	48
125°	43	39
135°	38	30
145°	32	20
155°	25	11
165°	16	5
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1014.6
2.5°	1120.9
5°	697.8
7.5°	231.4
10°	157.2
12.5°	86.1
15°	59.9
17.5°	49.4
20°	43.4
22.5°	41.2
25°	39.7
27.5°	38.2
30°	38.2
32.5°	38.2
35°	38.2
37.5°	38.9
40°	39.7
42.5°	40.4
45°	41.2
47.5°	41.9
50°	42.7
52.5°	43.4
55°	44.2
57.5°	44.9
60°	45.7
62.5°	46.4
65°	47.2
67.5°	47.9
70°	48.7
72.5°	49.4
75°	50.2
77.5°	50.9
80°	50.9
82.5°	51.7
85°	51.7
87.5°	51.7
90°	51.7
92.5°	51.7
95°	51.7
97.5°	51.7
100°	50.9
102.5°	50.9
105°	50.2
107.5°	50.2
110°	49.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.7
115°	47.9
117.5°	47.2
120°	45.7
122.5°	44.9
125°	43.4
127.5°	42.7
130°	41.2
132.5°	39.7
135°	38.2
137.5°	36.7
140°	35.2
142.5°	33.7
145°	32.2
147.5°	30.7
150°	28.5
152.5°	26.2
155°	24.7
157.5°	22.5
160°	20.2
162.5°	18.7
165°	15.7
167.5°	12.7
170°	9.0
172.5°	5.2
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	5.4	6.4	6.3	7.3	8.5	5.4	6.4	6.3	7.3	8.5
	3H	8.4	9.4	9.3	10.3	11.5	8.4	9.4	9.3	10.3	11.5
	4H	9.9	10.8	10.8	11.8	13.0	9.9	10.8	10.8	11.8	13.0
	6H	11.4	12.3	12.3	13.2	14.4	11.4	12.3	12.3	13.2	14.4
	8H	12.1	12.9	13.0	13.9	15.1	12.1	12.9	13.0	13.9	15.1
	12H	12.8	13.6	13.7	14.5	15.8	12.8	13.6	13.7	14.5	15.8
4H	2H	6.2	7.1	7.1	8.0	9.2	6.2	7.1	7.1	8.0	9.2
	3H	9.4	10.2	10.3	11.1	12.4	9.4	10.2	10.3	11.1	12.4
	4H	11.0	11.8	12.0	12.7	14.0	11.0	11.8	12.0	12.7	14.0
	6H	12.7	13.3	13.6	14.3	15.6	12.7	13.3	13.6	14.3	15.6
	8H	13.5	14.1	14.4	15.1	16.3	13.5	14.1	14.4	15.1	16.3
	12H	14.3	14.9	15.2	15.8	17.1	14.3	14.9	15.2	15.8	17.1
8H	4H	11.6	12.2	12.5	13.2	14.4	11.6	12.2	12.5	13.2	14.4
	6H	13.4	14.0	14.4	15.0	16.2	13.4	14.0	14.4	15.0	16.2
	8H	14.4	14.9	15.3	15.9	17.1	14.4	14.9	15.3	15.9	17.1
	12H	15.3	15.8	16.3	16.8	18.1	15.3	15.8	16.3	16.8	18.1
12H	4H	11.7	12.3	12.7	13.2	14.5	11.7	12.3	12.7	13.2	14.5
	6H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4
	8H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4

(END OF REPORT)