

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: P1244905

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244905
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-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

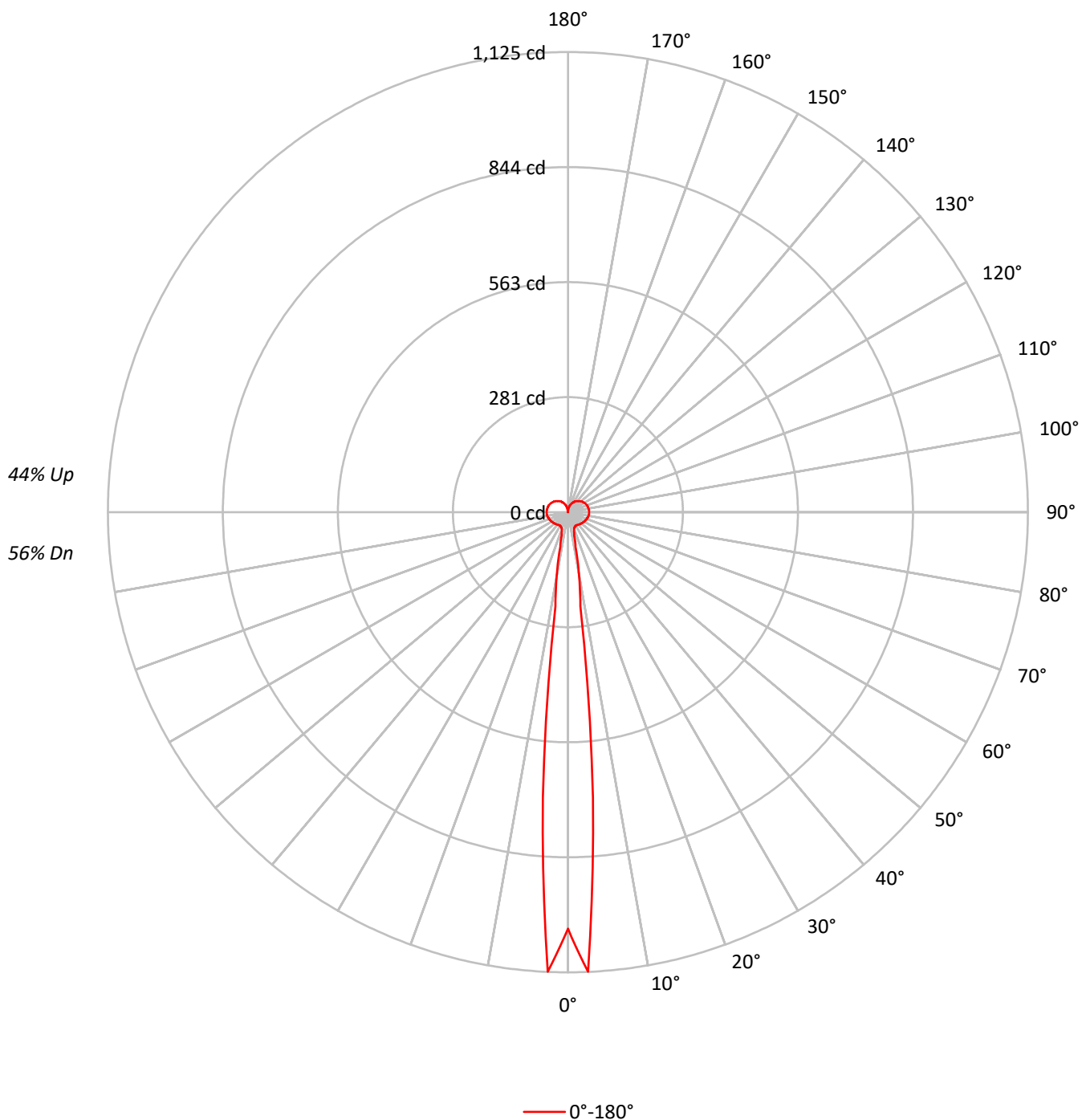
Lumens per Lamp: N/A
Luminaire Lumens: 598.9 lumens
Efficiency: N/A
Efficacy: 28.1 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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			
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°	52170
5°	26371
10°	4726
15°	1504
20°	943
25°	763
30°	664
35°	610
40°	590
45°	578
50°	570
55°	568
60°	569
65°	575
70°	585
75°	600
80°	610
85°	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	7.5
10°-20°	19.6	3.3
20°-30°	18.5	3.1
30°-40°	24.3	4.1
40°-50°	32.0	5.3
50°-60°	39.8	6.6
60°-70°	47.0	7.8
70°-80°	53.2	8.9
80°-90°	56.4	9.4
90°-100°	56.4	9.4
100°-110°	53.4	8.9
110°-120°	47.6	8.0
120°-130°	39.3	6.6
130°-140°	29.7	5.0
140°-150°	20.3	3.4
150°-160°	11.4	1.9
160°-170°	4.6	0.8
170°-180°	0.4	0.1
0°-30°	82.9	13.8
0°-40°	107.2	17.9
0°-60°	179.1	29.9
0°-90°	335.6	56.0
90°-120°	157.5	26.3
90°-150°	246.8	41.2
90°-180°	263.0	43.9
0°-180°	598.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	700	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°	44	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°	1018.0
2.5°	1124.6
5°	700.2
7.5°	232.1
10°	157.8
12.5°	86.4
15°	60.1
17.5°	49.6
20°	43.6
22.5°	41.3
25°	39.8
27.5°	38.3
30°	38.3
32.5°	38.3
35°	38.3
37.5°	39.1
40°	39.8
42.5°	40.6
45°	41.3
47.5°	42.1
50°	42.8
52.5°	43.6
55°	44.3
57.5°	45.1
60°	45.8
62.5°	46.6
65°	47.3
67.5°	48.1
70°	48.8
72.5°	49.6
75°	50.3
77.5°	51.1
80°	51.1
82.5°	51.8
85°	51.8
87.5°	51.8
90°	51.8
92.5°	51.8
95°	51.8
97.5°	51.8
100°	51.1
102.5°	51.1
105°	50.3
107.5°	50.3
110°	49.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.8
115°	48.1
117.5°	47.3
120°	45.8
122.5°	45.1
125°	43.6
127.5°	42.8
130°	41.3
132.5°	39.8
135°	38.3
137.5°	36.8
140°	35.3
142.5°	33.8
145°	32.3
147.5°	30.8
150°	28.5
152.5°	26.3
155°	24.8
157.5°	22.5
160°	20.3
162.5°	18.8
165°	15.8
167.5°	12.8
170°	9.0
172.5°	5.3
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	7.4	8.5	5.4	6.4	6.3	7.4	8.5
	3H	8.5	9.4	9.3	10.3	11.5	8.5	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	13.1	13.9	15.1	12.1	12.9	13.1	13.9	15.1
	12H	12.8	13.6	13.8	14.6	15.8	12.8	13.6	13.8	14.6	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	11.2	12.4	9.4	10.2	10.3	11.2	12.4
	4H	11.1	11.8	12.0	12.7	14.0	11.1	11.8	12.0	12.7	14.0
	6H	12.7	13.4	13.6	14.3	15.6	12.7	13.4	13.6	14.3	15.6
	8H	13.5	14.1	14.4	15.1	16.4	13.5	14.1	14.4	15.1	16.4
	12H	14.3	14.9	15.3	15.9	17.1	14.3	14.9	15.3	15.9	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	15.4	15.9	17.1	14.4	14.9	15.4	15.9	17.1
	12H	15.4	15.8	16.3	16.8	18.1	15.4	15.8	16.3	16.8	18.1
12H	4H	11.7	12.3	12.7	13.3	14.5	11.7	12.3	12.7	13.3	14.5
	6H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4
	8H	14.7	15.1	15.6	16.1	17.4	14.7	15.1	15.6	16.1	17.4

(END OF REPORT)