

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: P1245394

Luminaire Tested: PRLX-UNA-M-927-06L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-927-06L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

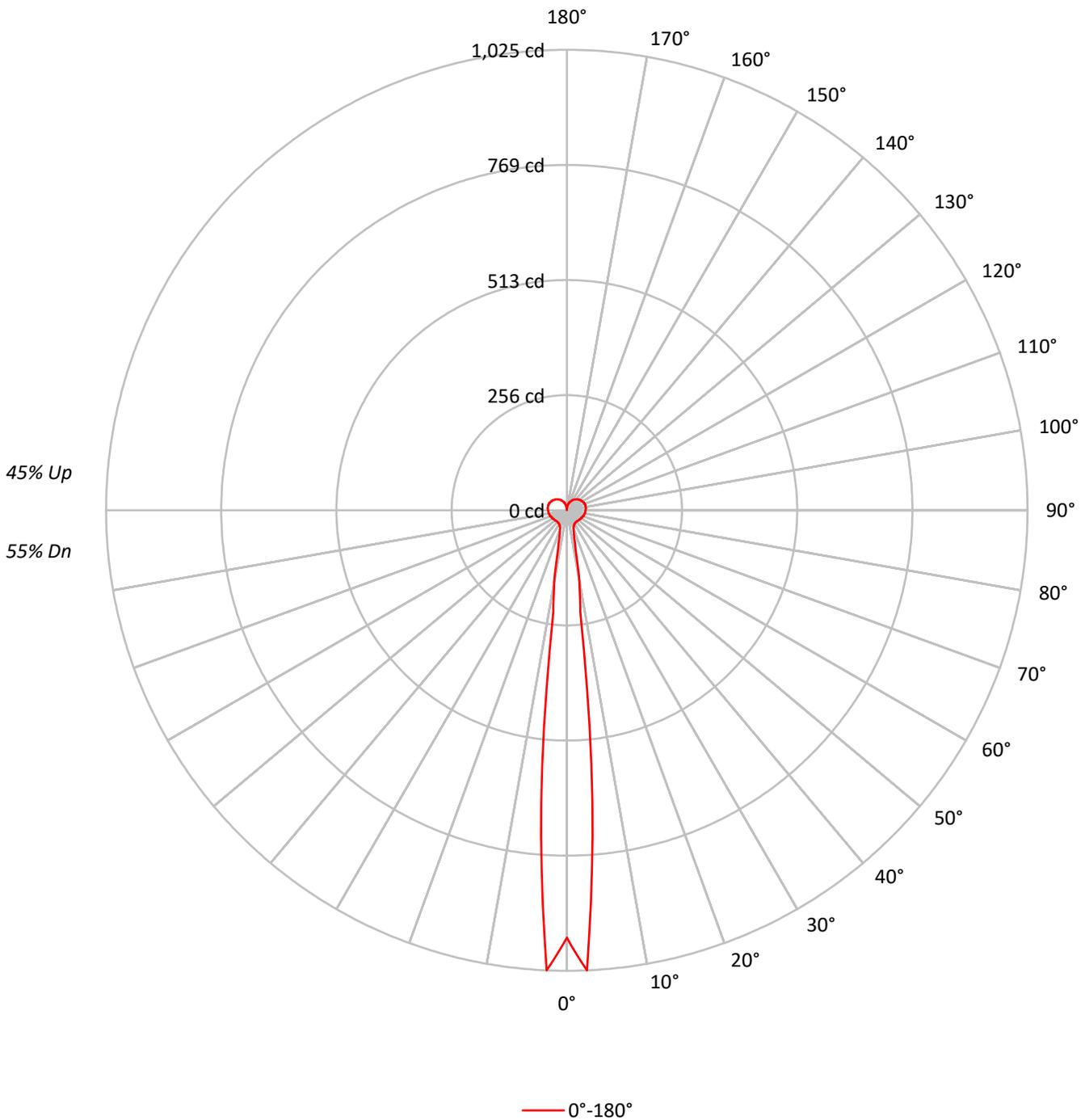
Lumens per Lamp: N/A
Luminaire Lumens: 509.9 lumens
Efficiency: N/A
Efficacy: 23.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	55
1	95	90	84	79	88	83	78	74	70	67	64		59	56	54		48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51		51	47	43		42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43		45	40	36		37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37		40	35	32		33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32		37	32	28		31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29		34	29	25		28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26		31	27	23		27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24		29	25	21		25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22		28	23	20		24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21		26	22	19		23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48752
5°	24676
10°	4738
15°	1591
20°	949
25°	726
30°	598
35°	538
40°	491
45°	473
50°	460
55°	451
60°	454
65°	453
70°	462
75°	476
80°	485
85°	496

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 513 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	8.3
10°-20°	20.3	4.0
20°-30°	17.6	3.4
30°-40°	21.1	4.1
40°-50°	26.1	5.1
50°-60°	31.6	6.2
60°-70°	37.0	7.3
70°-80°	41.9	8.2
80°-90°	45.0	8.8
90°-100°	46.2	9.1
100°-110°	45.0	8.8
110°-120°	40.9	8.0
120°-130°	34.4	6.7
130°-140°	26.6	5.2
140°-150°	18.3	3.6
150°-160°	10.7	2.1
160°-170°	4.5	0.9
170°-180°	0.7	0.1
0°-30°	80.1	15.7
0°-40°	101.2	19.8
0°-60°	158.9	31.2
0°-90°	282.8	55.5
90°-120°	132.0	25.9
90°-150°	211.3	41.4
90°-180°	227.0	44.5
0°-180°	509.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	951	
5°	655	42
15°	64	20
25°	38	18
35°	34	21
45°	34	26
55°	35	32
65°	37	37
75°	40	42
85°	41	34
90°	42	23
95°	43	35
105°	43	45
115°	41	41
125°	38	34
135°	34	27
145°	29	18
155°	23	11
165°	16	5
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	951.3
2.5°	1025.0
5°	655.2
7.5°	228.5
10°	158.2
12.5°	90.6
15°	63.6
17.5°	51.4
20°	43.9
22.5°	39.9
25°	37.9
27.5°	35.8
30°	34.5
32.5°	33.8
35°	33.8
37.5°	33.1
40°	33.1
42.5°	33.1
45°	33.8
47.5°	33.8
50°	34.5
52.5°	34.5
55°	35.2
57.5°	35.8
60°	36.5
62.5°	36.5
65°	37.2
67.5°	37.9
70°	38.5
72.5°	39.2
75°	39.9
77.5°	39.9
80°	40.6
82.5°	41.2
85°	41.2
87.5°	41.2
90°	41.9
92.5°	41.9
95°	42.6
97.5°	42.6
100°	42.6
102.5°	42.6
105°	42.6
107.5°	42.6
110°	41.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.9
115°	41.2
117.5°	40.6
120°	39.9
122.5°	39.2
125°	38.5
127.5°	37.2
130°	36.5
132.5°	35.2
135°	34.5
137.5°	33.1
140°	31.8
142.5°	30.4
145°	29.1
147.5°	27.7
150°	26.4
152.5°	24.3
155°	23.0
157.5°	21.0
160°	19.6
162.5°	17.6
165°	15.6
167.5°	13.5
170°	11.5
172.5°	8.1
175°	4.7
177.5°	2.0
180°	0.7



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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	4.4	5.4	5.3	6.3	7.5	4.4	5.4	5.3	6.3	7.5
	3H	7.4	8.3	8.3	9.2	10.4	7.4	8.3	8.3	9.2	10.4
	4H	8.9	9.8	9.8	10.7	11.9	8.9	9.8	9.8	10.7	11.9
	6H	10.4	11.2	11.3	12.1	13.3	10.4	11.2	11.3	12.1	13.3
	8H	11.1	11.9	12.0	12.8	14.0	11.1	11.9	12.0	12.8	14.0
	12H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
4H	2H	5.1	6.0	6.1	7.0	8.2	5.1	6.0	6.1	7.0	8.2
	3H	8.3	9.1	9.3	10.1	11.3	8.3	9.1	9.3	10.1	11.3
	4H	10.0	10.7	10.9	11.7	12.9	10.0	10.7	10.9	11.7	12.9
	6H	11.6	12.3	12.6	13.2	14.5	11.6	12.3	12.6	13.2	14.5
	8H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	12H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
8H	4H	10.5	11.1	11.5	12.1	13.4	10.5	11.1	11.5	12.1	13.4
	6H	12.4	12.9	13.3	13.9	15.1	12.4	12.9	13.3	13.9	15.1
	8H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
	12H	14.3	14.7	15.3	15.7	17.0	14.3	14.7	15.3	15.7	17.0
12H	4H	10.6	11.2	11.6	12.2	13.4	10.6	11.2	11.6	12.2	13.4
	6H	12.5	13.0	13.5	14.0	15.3	12.5	13.0	13.5	14.0	15.3
	8H	13.6	14.0	14.6	15.0	16.3	13.6	14.0	14.6	15.0	16.3

(END OF REPORT)