

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: P1245412

Luminaire Tested: PRLX-UNA-M-930-07L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245412
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-930-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

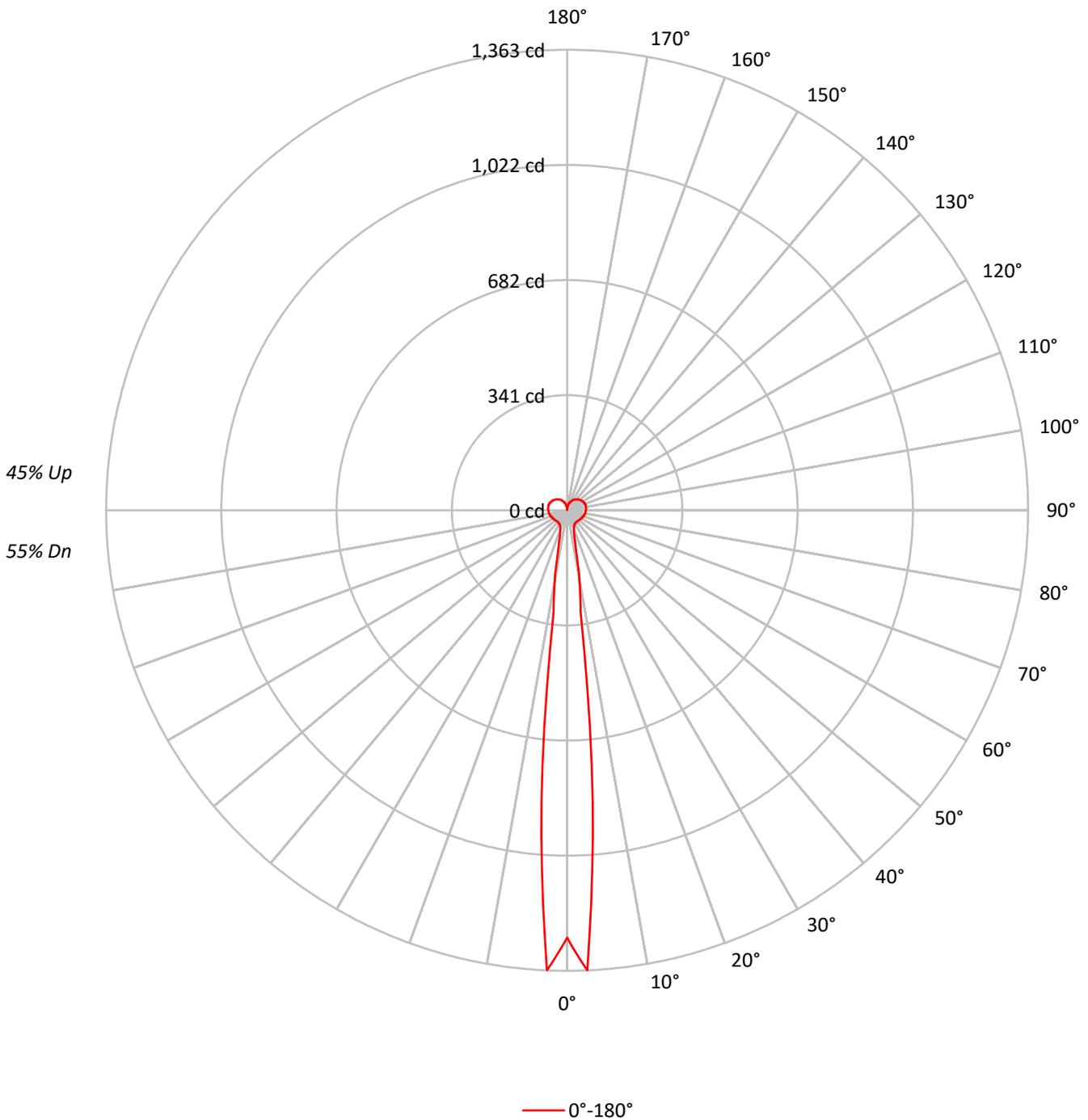
Lumens per Lamp: N/A
Luminaire Lumens: 677.6 lumens
Efficiency: N/A
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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	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°	64812
5°	32804
10°	6299
15°	2114
20°	1263
25°	964
30°	794
35°	715
40°	653
45°	628
50°	610
55°	598
60°	603
65°	601
70°	614
75°	632
80°	644
85°	660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 683 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	8.3
10°-20°	27.0	4.0
20°-30°	23.3	3.4
30°-40°	28.0	4.1
40°-50°	34.6	5.1
50°-60°	42.0	6.2
60°-70°	49.2	7.3
70°-80°	55.7	8.2
80°-90°	59.8	8.8
90°-100°	61.4	9.1
100°-110°	59.8	8.8
110°-120°	54.3	8.0
120°-130°	45.7	6.7
130°-140°	35.3	5.2
140°-150°	24.4	3.6
150°-160°	14.2	2.1
160°-170°	6.0	0.9
170°-180°	0.9	0.1
0°-30°	106.4	15.7
0°-40°	134.5	19.8
0°-60°	211.1	31.2
0°-90°	375.8	55.5
90°-120°	175.4	25.9
90°-150°	280.8	41.4
90°-180°	302.0	44.6
0°-180°	677.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1265	
5°	871	56
15°	84	27
25°	50	23
35°	45	28
45°	45	35
55°	47	42
65°	49	49
75°	53	56
85°	55	45
90°	56	30
95°	57	46
105°	57	60
115°	55	54
125°	51	46
135°	46	35
145°	39	24
155°	31	14
165°	21	6
175°	6	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1264.7
2.5°	1362.7
5°	871.0
7.5°	303.8
10°	210.3
12.5°	120.4
15°	84.5
17.5°	68.3
20°	58.4
22.5°	53.0
25°	50.3
27.5°	47.6
30°	45.8
32.5°	44.9
35°	44.9
37.5°	44.0
40°	44.0
42.5°	44.0
45°	44.9
47.5°	44.9
50°	45.8
52.5°	45.8
55°	46.7
57.5°	47.6
60°	48.5
62.5°	48.5
65°	49.4
67.5°	50.3
70°	51.2
72.5°	52.1
75°	53.0
77.5°	53.0
80°	53.9
82.5°	54.8
85°	54.8
87.5°	54.8
90°	55.7
92.5°	55.7
95°	56.6
97.5°	56.6
100°	56.6
102.5°	56.6
105°	56.6
107.5°	56.6
110°	55.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.7
115°	54.8
117.5°	53.9
120°	53.0
122.5°	52.1
125°	51.2
127.5°	49.4
130°	48.5
132.5°	46.7
135°	45.8
137.5°	44.0
140°	42.2
142.5°	40.4
145°	38.7
147.5°	36.9
150°	35.1
152.5°	32.4
155°	30.6
157.5°	27.9
160°	26.1
162.5°	23.4
165°	20.7
167.5°	18.0
170°	15.3
172.5°	10.8
175°	6.3
177.5°	2.7
180°	0.9



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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	9.3	9.3	10.2	11.4	8.4	9.3	9.3	10.2	11.4
	4H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	6H	11.3	12.2	12.3	13.1	14.3	11.3	12.2	12.3	13.1	14.3
	8H	12.1	12.8	13.0	13.8	15.0	12.1	12.8	13.0	13.8	15.0
	12H	12.8	13.5	13.7	14.5	15.7	12.8	13.5	13.7	14.5	15.7
4H	2H	6.1	7.0	7.1	7.9	9.2	6.1	7.0	7.1	7.9	9.2
	3H	9.3	10.1	10.3	11.1	12.3	9.3	10.1	10.3	11.1	12.3
	4H	11.0	11.7	11.9	12.6	13.9	11.0	11.7	11.9	12.6	13.9
	6H	12.6	13.2	13.6	14.2	15.5	12.6	13.2	13.6	14.2	15.5
	8H	13.4	14.0	14.4	15.0	16.3	13.4	14.0	14.4	15.0	16.3
	12H	14.2	14.8	15.2	15.8	17.0	14.2	14.8	15.2	15.8	17.0
8H	4H	11.5	12.1	12.5	13.1	14.3	11.5	12.1	12.5	13.1	14.3
	6H	13.3	13.9	14.3	14.9	16.1	13.3	13.9	14.3	14.9	16.1
	8H	14.3	14.8	15.3	15.8	17.1	14.3	14.8	15.3	15.8	17.1
	12H	15.3	15.7	16.3	16.7	18.0	15.3	15.7	16.3	16.7	18.0
12H	4H	11.6	12.2	12.6	13.2	14.4	11.6	12.2	12.6	13.2	14.4
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.6	15.0	15.6	16.0	17.3	14.6	15.0	15.6	16.0	17.3

(END OF REPORT)