

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: P1245343

Luminaire Tested: PRLX-UNA-L-935-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-935-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

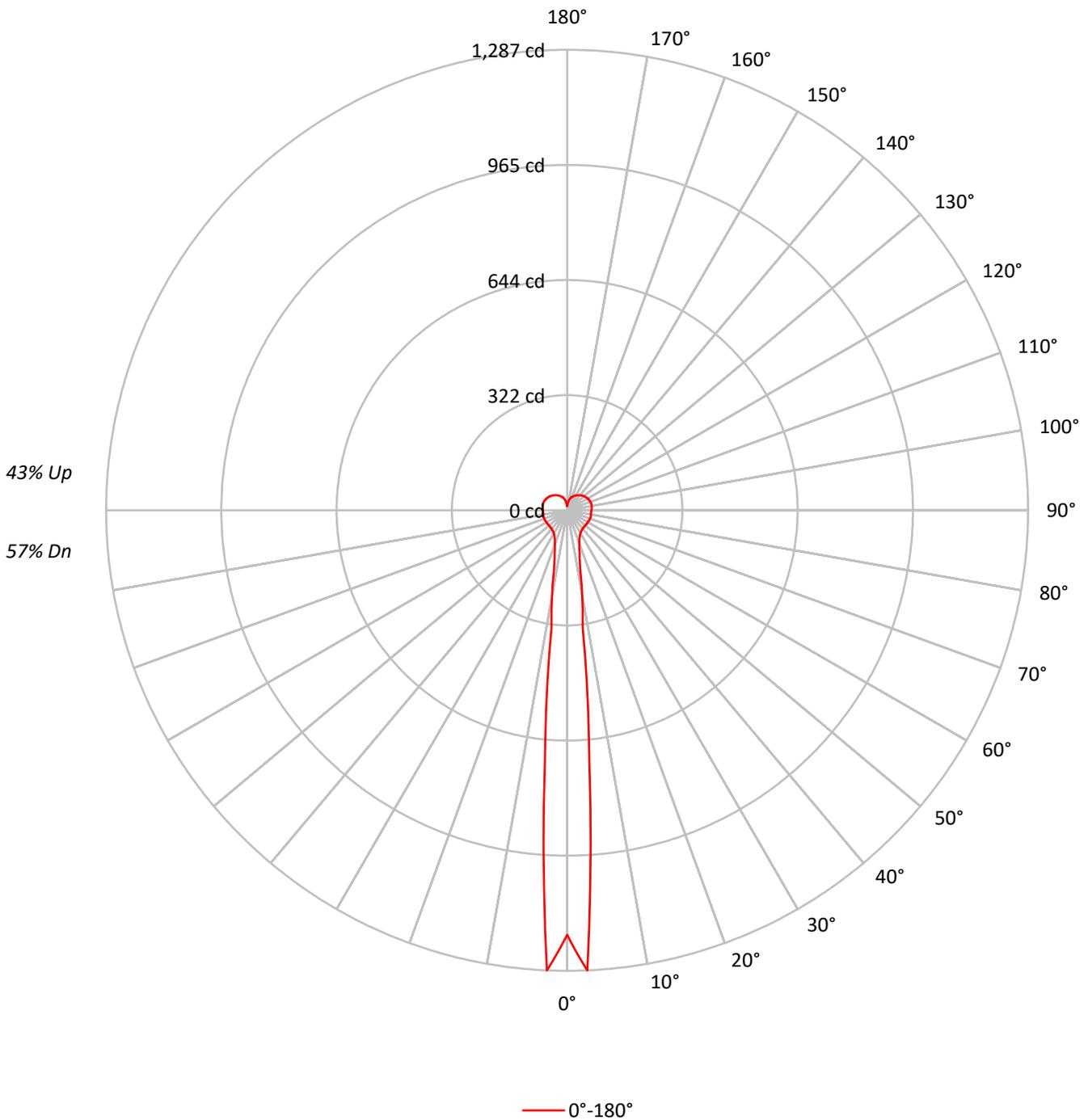
Lumens per Lamp: N/A
Luminaire Lumens: 882.1 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37527
5°	17589
10°	4945
15°	2323
20°	1530
25°	1137
30°	936
35°	817
40°	738
45°	692
50°	660
55°	642
60°	631
65°	628
70°	626
75°	629
80°	623
85°	632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 692 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	6.0
10°-20°	39.7	4.5
20°-30°	38.6	4.4
30°-40°	44.0	5.0
40°-50°	51.4	5.8
50°-60°	59.6	6.8
60°-70°	67.0	7.6
70°-80°	71.9	8.2
80°-90°	73.4	8.3
90°-100°	75.3	8.5
100°-110°	73.7	8.4
110°-120°	67.4	7.6
120°-130°	57.4	6.5
130°-140°	45.3	5.1
140°-150°	32.4	3.7
150°-160°	20.4	2.3
160°-170°	9.9	1.1
170°-180°	2.0	0.2
0°-30°	131.2	14.9
0°-40°	175.1	19.9
0°-60°	286.1	32.4
0°-90°	498.4	56.5
90°-120°	216.4	24.5
90°-150°	351.4	39.8
90°-180°	384.0	43.5
0°-180°	882.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1186	
5°	713	53
15°	133	40
25°	82	39
35°	70	44
45°	66	51
55°	66	60
65°	68	67
75°	68	72
85°	67	55
90°	68	37
95°	69	57
105°	70	74
115°	68	67
125°	64	57
135°	58	45
145°	51	32
155°	44	20
165°	35	10
175°	18	2
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1186.2
2.5°	1287.3
5°	713.1
7.5°	330.7
10°	243.1
12.5°	167.3
15°	133.4
17.5°	113.7
20°	99.8
22.5°	89.6
25°	82.5
27.5°	77.7
30°	74.2
32.5°	71.8
35°	69.8
37.5°	68.3
40°	67.1
42.5°	66.7
45°	66.3
47.5°	65.9
50°	65.9
52.5°	66.3
55°	66.3
57.5°	66.7
60°	66.7
62.5°	67.1
65°	67.5
67.5°	67.9
70°	67.9
72.5°	68.3
75°	68.3
77.5°	67.9
80°	67.1
82.5°	67.1
85°	67.1
87.5°	67.5
90°	67.9
92.5°	68.7
95°	69.1
97.5°	69.5
100°	69.8
102.5°	69.8
105°	69.8
107.5°	69.5
110°	69.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.7
115°	67.9
117.5°	67.1
120°	66.3
122.5°	65.1
125°	63.9
127.5°	62.7
130°	61.6
132.5°	60.0
135°	58.4
137.5°	56.8
140°	54.9
142.5°	53.3
145°	51.3
147.5°	49.7
150°	47.7
152.5°	45.8
155°	43.8
157.5°	41.8
160°	39.5
162.5°	37.5
165°	34.7
167.5°	31.6
170°	27.6
172.5°	23.3
175°	18.2
177.5°	13.4
180°	11.8



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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	5.9	6.9	6.8	7.8	9.0	5.9	6.9	6.8	7.8	9.0
	3H	8.7	9.7	9.6	10.6	11.8	8.7	9.7	9.6	10.6	11.8
	4H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	6H	11.4	12.3	12.4	13.2	14.4	11.4	12.3	12.4	13.2	14.4
	8H	12.1	12.9	13.0	13.8	15.0	12.1	12.9	13.0	13.8	15.0
	12H	12.7	13.5	13.6	14.4	15.7	12.7	13.5	13.6	14.4	15.7
4H	2H	6.6	7.5	7.5	8.4	9.6	6.6	7.5	7.5	8.4	9.6
	3H	9.6	10.4	10.6	11.4	12.6	9.6	10.4	10.6	11.4	12.6
	4H	11.2	11.9	12.1	12.8	14.1	11.2	11.9	12.1	12.8	14.1
	6H	12.7	13.3	13.6	14.3	15.5	12.7	13.3	13.6	14.3	15.5
	8H	13.4	14.0	14.4	15.0	16.2	13.4	14.0	14.4	15.0	16.2
	12H	14.1	14.7	15.1	15.7	16.9	14.1	14.7	15.1	15.7	16.9
8H	4H	11.7	12.3	12.6	13.2	14.5	11.7	12.3	12.6	13.2	14.5
	6H	13.4	13.9	14.3	14.9	16.1	13.4	13.9	14.3	14.9	16.1
	8H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	12H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
12H	4H	11.8	12.3	12.7	13.3	14.6	11.8	12.3	12.7	13.3	14.6
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.5	14.9	15.5	15.9	17.2	14.5	14.9	15.5	15.9	17.2

(END OF REPORT)