

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: P1245367

Luminaire Tested: PRLX-UNA-L-940-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245367
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-940-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

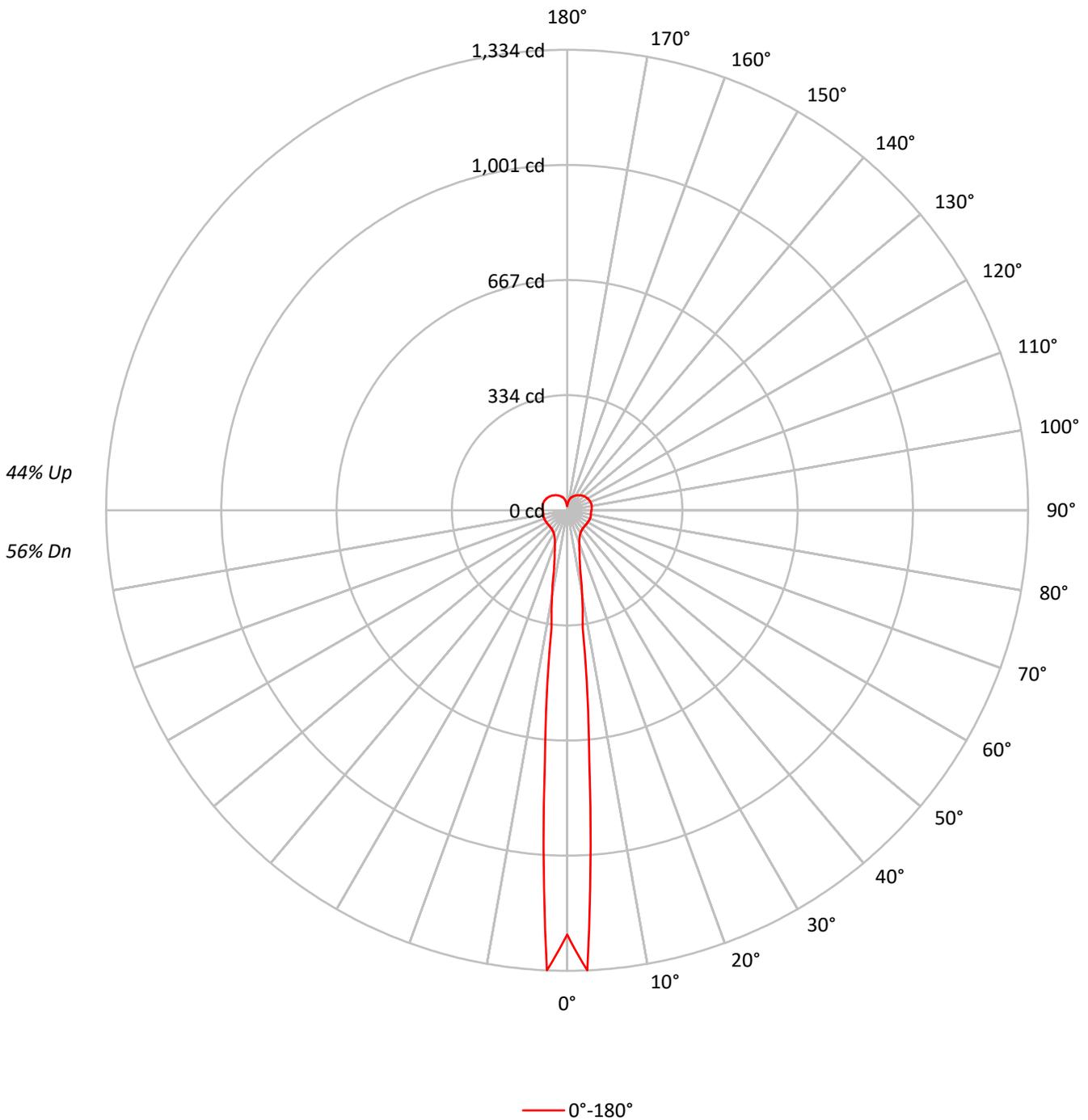
Lumens per Lamp: N/A
Luminaire Lumens: 913.9 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	56
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°	38891
5°	18228
10°	5124
15°	2407
20°	1587
25°	1179
30°	970
35°	847
40°	764
45°	717
50°	684
55°	666
60°	653
65°	650
70°	648
75°	652
80°	645
85°	654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 717 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	6.0
10°-20°	41.1	4.5
20°-30°	40.0	4.4
30°-40°	45.6	5.0
40°-50°	53.2	5.8
50°-60°	61.7	6.8
60°-70°	69.3	7.6
70°-80°	74.5	8.1
80°-90°	76.0	8.3
90°-100°	78.0	8.5
100°-110°	76.4	8.4
110°-120°	69.8	7.6
120°-130°	59.5	6.5
130°-140°	46.9	5.1
140°-150°	33.5	3.7
150°-160°	21.1	2.3
160°-170°	10.3	1.1
170°-180°	2.1	0.2
0°-30°	135.9	14.9
0°-40°	181.5	19.9
0°-60°	296.5	32.4
0°-90°	516.3	56.5
90°-120°	224.2	24.5
90°-150°	364.1	39.8
90°-180°	398.0	43.5
0°-180°	913.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1229	
5°	739	55
15°	138	41
25°	86	40
35°	72	46
45°	69	53
55°	69	62
65°	70	69
75°	71	74
85°	70	57
90°	70	39
95°	72	59
105°	72	76
115°	70	70
125°	66	59
135°	60	47
145°	53	34
155°	45	21
165°	36	10
175°	19	2
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1229.3
2.5°	1334.0
5°	739.0
7.5°	342.7
10°	251.9
12.5°	173.4
15°	138.2
17.5°	117.8
20°	103.5
22.5°	92.8
25°	85.5
27.5°	80.6
30°	76.9
32.5°	74.4
35°	72.4
37.5°	70.7
40°	69.5
42.5°	69.1
45°	68.7
47.5°	68.3
50°	68.3
52.5°	68.7
55°	68.7
57.5°	69.1
60°	69.1
62.5°	69.5
65°	69.9
67.5°	70.3
70°	70.3
72.5°	70.7
75°	70.7
77.5°	70.3
80°	69.5
82.5°	69.5
85°	69.5
87.5°	69.9
90°	70.3
92.5°	71.2
95°	71.6
97.5°	72.0
100°	72.4
102.5°	72.4
105°	72.4
107.5°	72.0
110°	71.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.2
115°	70.3
117.5°	69.5
120°	68.7
122.5°	67.5
125°	66.2
127.5°	65.0
130°	63.8
132.5°	62.2
135°	60.5
137.5°	58.9
140°	56.8
142.5°	55.2
145°	53.2
147.5°	51.5
150°	49.5
152.5°	47.4
155°	45.4
157.5°	43.3
160°	40.9
162.5°	38.8
165°	36.0
167.5°	32.7
170°	28.6
172.5°	24.1
175°	18.8
177.5°	13.9
180°	12.3



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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	6.0	7.0	6.9	7.9	9.1	6.0	7.0	6.9	7.9	9.1
	3H	8.8	9.8	9.7	10.7	11.9	8.8	9.8	9.7	10.7	11.9
	4H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	6H	11.6	12.4	12.5	13.3	14.5	11.6	12.4	12.5	13.3	14.5
	8H	12.2	13.0	13.1	13.9	15.2	12.2	13.0	13.1	13.9	15.2
	12H	12.8	13.6	13.8	14.5	15.8	12.8	13.6	13.8	14.5	15.8
4H	2H	6.7	7.6	7.6	8.5	9.7	6.7	7.6	7.6	8.5	9.7
	3H	9.8	10.5	10.7	11.5	12.7	9.8	10.5	10.7	11.5	12.7
	4H	11.3	12.0	12.2	13.0	14.2	11.3	12.0	12.2	13.0	14.2
	6H	12.8	13.4	13.7	14.4	15.6	12.8	13.4	13.7	14.4	15.6
	8H	13.5	14.1	14.5	15.1	16.4	13.5	14.1	14.5	15.1	16.4
	12H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
8H	4H	11.8	12.4	12.7	13.4	14.6	11.8	12.4	12.7	13.4	14.6
	6H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	8H	14.4	14.8	15.3	15.8	17.1	14.4	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	11.9	12.4	12.8	13.4	14.7	11.9	12.4	12.8	13.4	14.7
	6H	13.7	14.1	14.6	15.1	16.4	13.7	14.1	14.6	15.1	16.4
	8H	14.6	15.0	15.6	16.0	17.3	14.6	15.0	15.6	16.0	17.3

(END OF REPORT)