

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: P1245365

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245365
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

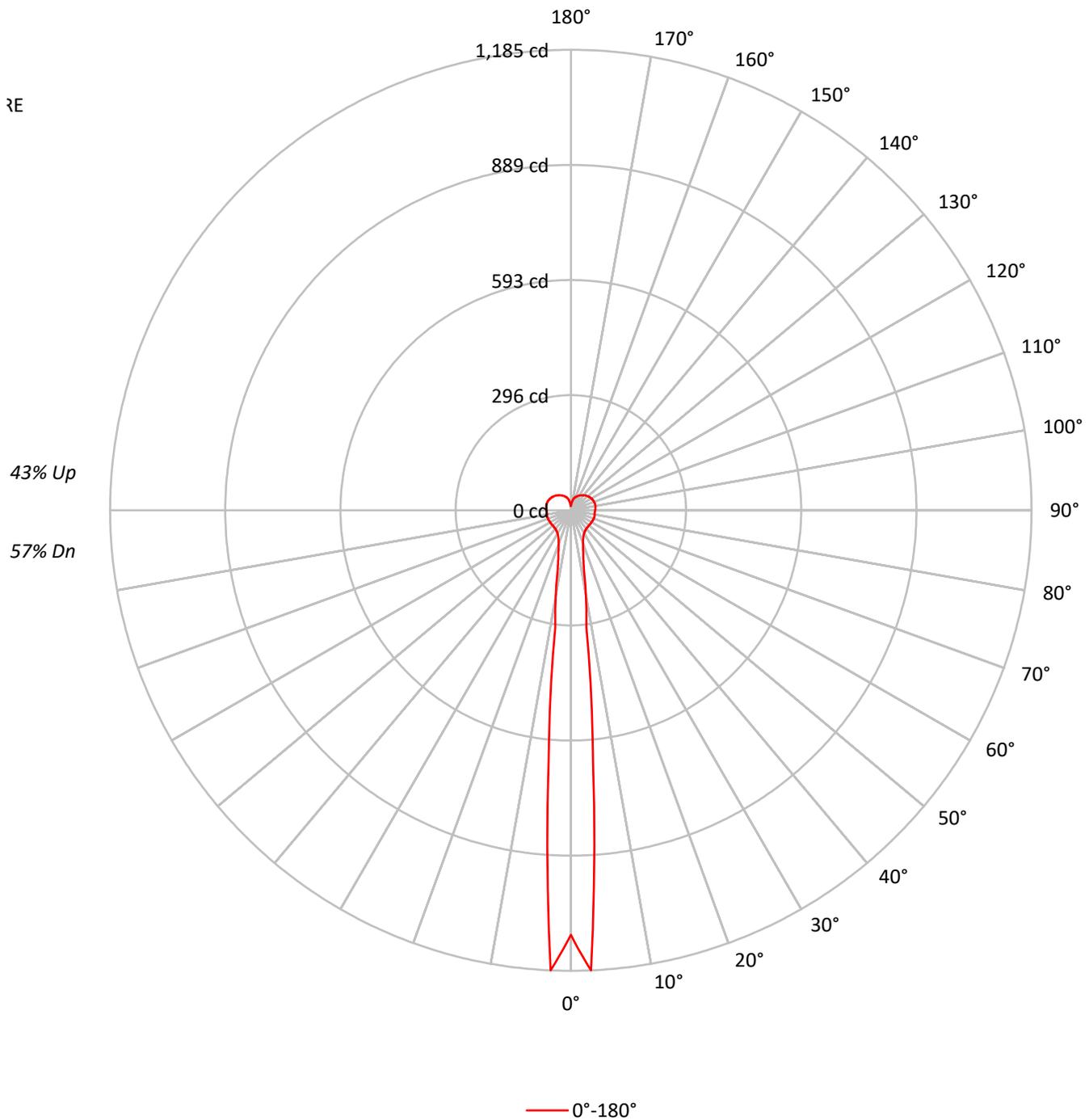
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 812.0 lumens
Efficiency: N/A
Efficacy: 35.9 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 (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	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°	34550
5°	16193
10°	4552
15°	2139
20°	1409
25°	1046
30°	861
35°	752
40°	679
45°	637
50°	608
55°	591
60°	581
65°	578
70°	576
75°	580
80°	573
85°	582

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 637 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	6.0
10°-20°	36.5	4.5
20°-30°	35.6	4.4
30°-40°	40.5	5.0
40°-50°	47.3	5.8
50°-60°	54.8	6.8
60°-70°	61.6	7.6
70°-80°	66.2	8.2
80°-90°	67.6	8.3
90°-100°	69.3	8.5
100°-110°	67.8	8.4
110°-120°	62.0	7.6
120°-130°	52.8	6.5
130°-140°	41.7	5.1
140°-150°	29.8	3.7
150°-160°	18.7	2.3
160°-170°	9.1	1.1
170°-180°	1.9	0.2
0°-30°	120.7	14.9
0°-40°	161.2	19.9
0°-60°	263.4	32.4
0°-90°	458.8	56.5
90°-120°	199.1	24.5
90°-150°	323.5	39.8
90°-180°	353.0	43.5
0°-180°	812.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1092	
5°	656	49
15°	123	36
25°	76	36
35°	64	40
45°	61	47
55°	61	55
65°	62	62
75°	63	66
85°	62	51
90°	62	34
95°	64	52
105°	64	68
115°	62	62
125°	59	53
135°	54	42
145°	47	30
155°	40	19
165°	32	9
175°	17	2
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1092.1
2.5°	1185.1
5°	656.5
7.5°	304.4
10°	223.8
12.5°	154.0
15°	122.8
17.5°	104.6
20°	91.9
22.5°	82.5
25°	75.9
27.5°	71.6
30°	68.3
32.5°	66.1
35°	64.3
37.5°	62.9
40°	61.8
42.5°	61.4
45°	61.0
47.5°	60.7
50°	60.7
52.5°	61.0
55°	61.0
57.5°	61.4
60°	61.4
62.5°	61.8
65°	62.1
67.5°	62.5
70°	62.5
72.5°	62.9
75°	62.9
77.5°	62.5
80°	61.8
82.5°	61.8
85°	61.8
87.5°	62.1
90°	62.5
92.5°	63.2
95°	63.6
97.5°	63.9
100°	64.3
102.5°	64.3
105°	64.3
107.5°	63.9
110°	63.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	63.2
115°	62.5
117.5°	61.8
120°	61.0
122.5°	59.9
125°	58.9
127.5°	57.8
130°	56.7
132.5°	55.2
135°	53.8
137.5°	52.3
140°	50.5
142.5°	49.0
145°	47.2
147.5°	45.8
150°	44.0
152.5°	42.1
155°	40.3
157.5°	38.5
160°	36.3
162.5°	34.5
165°	32.0
167.5°	29.1
170°	25.4
172.5°	21.4
175°	16.7
177.5°	12.4
180°	10.9



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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	5.6	6.6	6.5	7.5	8.7	5.6	6.6	6.5	7.5	8.7
	3H	8.4	9.4	9.3	10.3	11.5	8.4	9.4	9.3	10.3	11.5
	4H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	6H	11.2	12.0	12.1	12.9	14.1	11.2	12.0	12.1	12.9	14.1
	8H	11.8	12.6	12.7	13.5	14.8	11.8	12.6	12.7	13.5	14.8
	12H	12.4	13.2	13.4	14.1	15.4	12.4	13.2	13.4	14.1	15.4
4H	2H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	3H	9.4	10.1	10.3	11.1	12.3	9.4	10.1	10.3	11.1	12.3
	4H	10.9	11.6	11.8	12.6	13.8	10.9	11.6	11.8	12.6	13.8
	6H	12.4	13.0	13.3	14.0	15.2	12.4	13.0	13.3	14.0	15.2
	8H	13.1	13.7	14.1	14.7	15.9	13.1	13.7	14.1	14.7	15.9
	12H	13.9	14.4	14.8	15.4	16.7	13.9	14.4	14.8	15.4	16.7
8H	4H	11.4	12.0	12.3	12.9	14.2	11.4	12.0	12.3	12.9	14.2
	6H	13.1	13.6	14.0	14.6	15.9	13.1	13.6	14.0	14.6	15.9
	8H	14.0	14.4	14.9	15.4	16.7	14.0	14.4	14.9	15.4	16.7
	12H	14.9	15.3	15.9	16.3	17.6	14.9	15.3	15.9	16.3	17.6
12H	4H	11.5	12.0	12.4	13.0	14.3	11.5	12.0	12.4	13.0	14.3
	6H	13.3	13.7	14.2	14.7	16.0	13.3	13.7	14.2	14.7	16.0
	8H	14.2	14.6	15.2	15.6	16.9	14.2	14.6	15.2	15.6	16.9

(END OF REPORT)