

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: P1245363

Luminaire Tested: PRLX-UNA-L-940-05L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245363
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-940-05L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

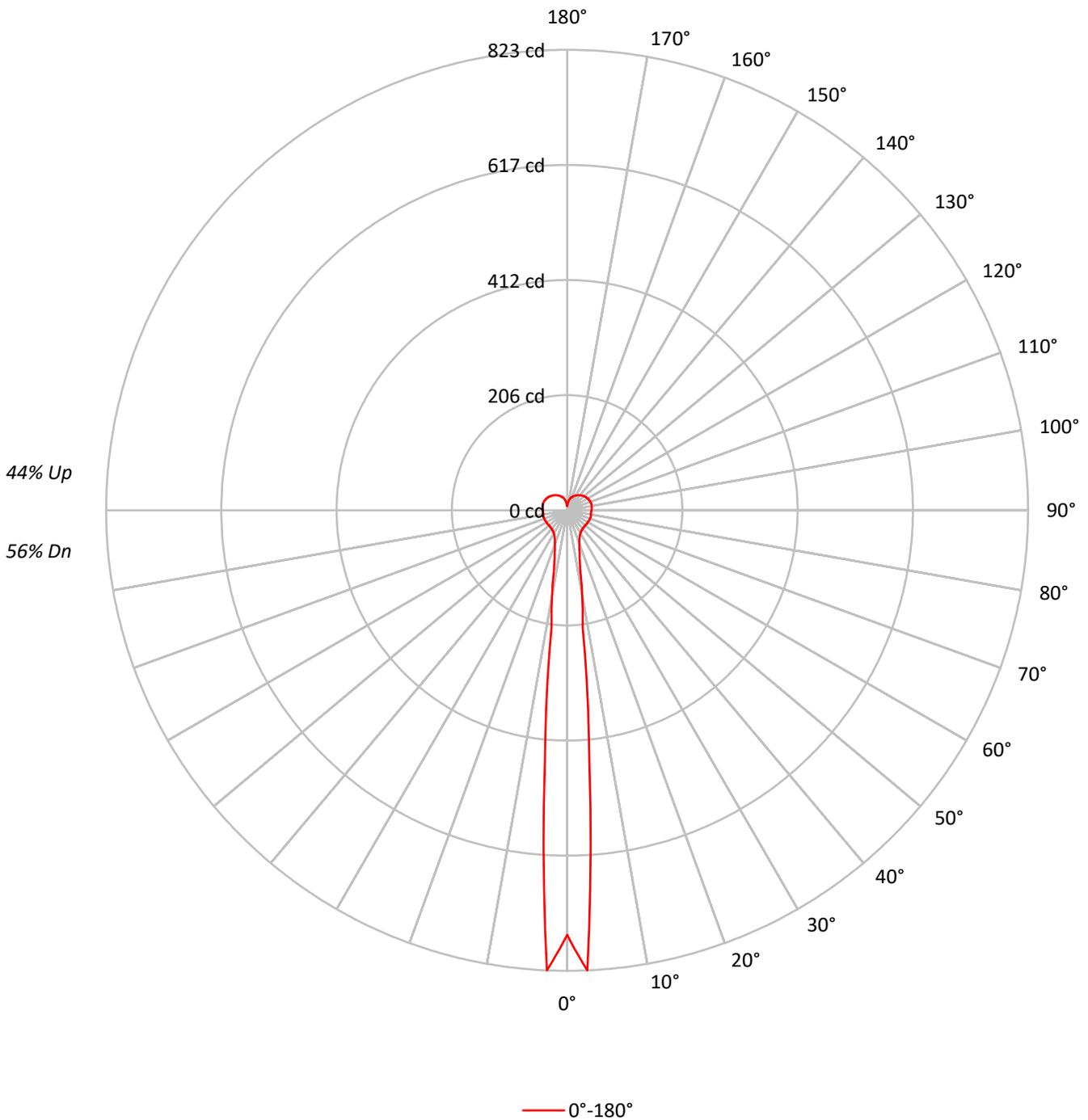
Lumens per Lamp: N/A
Luminaire Lumens: 564.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
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°	23996
5°	11248
10°	3161
15°	1486
20°	978
25°	726
30°	598
35°	523
40°	472
45°	443
50°	421
55°	411
60°	403
65°	402
70°	400
75°	403
80°	398
85°	404

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	6.0
10°-20°	25.4	4.5
20°-30°	24.7	4.4
30°-40°	28.1	5.0
40°-50°	32.8	5.8
50°-60°	38.1	6.8
60°-70°	42.8	7.6
70°-80°	46.0	8.2
80°-90°	47.0	8.3
90°-100°	48.2	8.5
100°-110°	47.1	8.4
110°-120°	43.1	7.6
120°-130°	36.7	6.5
130°-140°	28.9	5.1
140°-150°	20.7	3.7
150°-160°	13.0	2.3
160°-170°	6.3	1.1
170°-180°	1.3	0.2
0°-30°	83.9	14.9
0°-40°	112.0	19.9
0°-60°	182.9	32.4
0°-90°	318.7	56.5
90°-120°	138.4	24.5
90°-150°	224.7	39.8
90°-180°	245.0	43.4
0°-180°	564.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	758	
5°	456	34
15°	85	25
25°	53	25
35°	45	28
45°	42	33
55°	42	38
65°	43	43
75°	44	46
85°	43	35
90°	43	24
95°	44	36
105°	45	47
115°	43	43
125°	41	37
135°	37	29
145°	33	21
155°	28	13
165°	22	6
175°	12	1
180°	8	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	758.5
2.5°	823.1
5°	456.0
7.5°	211.5
10°	155.4
12.5°	107.0
15°	85.3
17.5°	72.7
20°	63.8
22.5°	57.3
25°	52.7
27.5°	49.7
30°	47.4
32.5°	45.9
35°	44.7
37.5°	43.7
40°	42.9
42.5°	42.6
45°	42.4
47.5°	42.1
50°	42.1
52.5°	42.4
55°	42.4
57.5°	42.6
60°	42.6
62.5°	42.9
65°	43.2
67.5°	43.4
70°	43.4
72.5°	43.7
75°	43.7
77.5°	43.4
80°	42.9
82.5°	42.9
85°	42.9
87.5°	43.2
90°	43.4
92.5°	43.9
95°	44.2
97.5°	44.4
100°	44.7
102.5°	44.7
105°	44.7
107.5°	44.4
110°	44.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.9
115°	43.4
117.5°	42.9
120°	42.4
122.5°	41.6
125°	40.9
127.5°	40.1
130°	39.4
132.5°	38.4
135°	37.3
137.5°	36.3
140°	35.1
142.5°	34.1
145°	32.8
147.5°	31.8
150°	30.5
152.5°	29.3
155°	28.0
157.5°	26.7
160°	25.2
162.5°	24.0
165°	22.2
167.5°	20.2
170°	17.7
172.5°	14.9
175°	11.6
177.5°	8.6
180°	7.6



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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	4.3	5.3	5.2	6.2	7.4	4.3	5.3	5.2	6.2	7.4
	3H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	4H	8.5	9.4	9.5	10.4	11.6	8.5	9.4	9.5	10.4	11.6
	6H	9.9	10.7	10.8	11.7	12.9	9.9	10.7	10.8	11.7	12.9
	8H	10.5	11.3	11.4	12.3	13.5	10.5	11.3	11.4	12.3	13.5
	12H	11.2	11.9	12.1	12.9	14.1	11.2	11.9	12.1	12.9	14.1
4H	2H	5.0	5.9	6.0	6.9	8.1	5.0	5.9	6.0	6.9	8.1
	3H	8.1	8.9	9.0	9.8	11.0	8.1	8.9	9.0	9.8	11.0
	4H	9.6	10.3	10.5	11.3	12.5	9.6	10.3	10.5	11.3	12.5
	6H	11.1	11.8	12.1	12.7	14.0	11.1	11.8	12.1	12.7	14.0
	8H	11.9	12.5	12.8	13.4	14.7	11.9	12.5	12.8	13.4	14.7
	12H	12.6	13.1	13.6	14.1	15.4	12.6	13.1	13.6	14.1	15.4
8H	4H	10.1	10.7	11.1	11.7	12.9	10.1	10.7	11.1	11.7	12.9
	6H	11.8	12.3	12.8	13.3	14.6	11.8	12.3	12.8	13.3	14.6
	8H	12.7	13.2	13.7	14.2	15.4	12.7	13.2	13.7	14.2	15.4
	12H	13.6	14.0	14.6	15.0	16.3	13.6	14.0	14.6	15.0	16.3
12H	4H	10.2	10.8	11.2	11.7	13.0	10.2	10.8	11.2	11.7	13.0
	6H	12.0	12.5	13.0	13.4	14.7	12.0	12.5	13.0	13.4	14.7
	8H	12.9	13.4	13.9	14.4	15.7	12.9	13.4	13.9	14.4	15.7

(END OF REPORT)