

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: P1245359

Luminaire Tested: PRLX-UNA-L-940-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245359
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-940-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

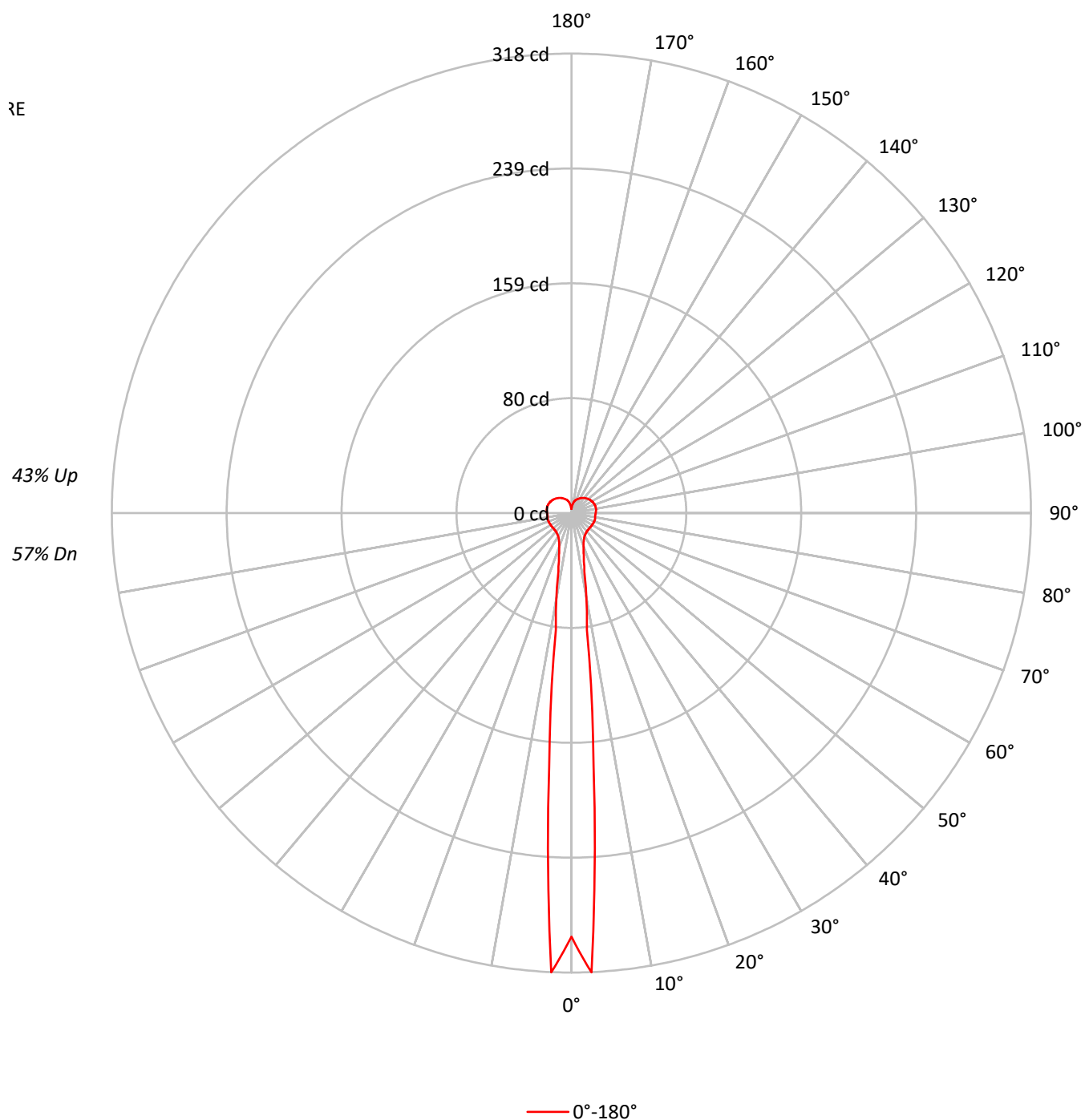
Lumens per Lamp: N/A
Luminaire Lumens: 218.2 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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			
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°	9276
5°	4349
10°	1222
15°	575
20°	379
25°	281
30°	231
35°	202
40°	182
45°	171
50°	163
55°	159
60°	156
65°	155
70°	155
75°	156
80°	154
85°	156

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 171 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	6.0
10°-20°	9.8	4.5
20°-30°	9.5	4.4
30°-40°	10.9	5.0
40°-50°	12.7	5.8
50°-60°	14.7	6.8
60°-70°	16.6	7.6
70°-80°	17.8	8.2
80°-90°	18.2	8.3
90°-100°	18.6	8.5
100°-110°	18.2	8.4
110°-120°	16.7	7.6
120°-130°	14.2	6.5
130°-140°	11.2	5.1
140°-150°	8.0	3.7
150°-160°	5.0	2.3
160°-170°	2.5	1.1
170°-180°	0.5	0.2
0°-30°	32.4	14.9
0°-40°	43.3	19.8
0°-60°	70.7	32.4
0°-90°	123.3	56.5
90°-120°	53.6	24.5
90°-150°	86.9	39.8
90°-180°	95.0	43.5
0°-180°	218.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	293	
5°	176	13
15°	33	10
25°	20	10
35°	17	11
45°	16	13
55°	16	15
65°	17	17
75°	17	18
85°	17	14
90°	17	9
95°	17	14
105°	17	18
115°	17	17
125°	16	14
135°	14	11
145°	13	8
155°	11	5
165°	9	2
175°	4	1
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	293.2
2.5°	318.2
5°	176.3
7.5°	81.7
10°	60.1
12.5°	41.4
15°	33.0
17.5°	28.1
20°	24.7
22.5°	22.1
25°	20.4
27.5°	19.2
30°	18.3
32.5°	17.8
35°	17.3
37.5°	16.9
40°	16.6
42.5°	16.5
45°	16.4
47.5°	16.3
50°	16.3
52.5°	16.4
55°	16.4
57.5°	16.5
60°	16.5
62.5°	16.6
65°	16.7
67.5°	16.8
70°	16.8
72.5°	16.9
75°	16.9
77.5°	16.8
80°	16.6
82.5°	16.6
85°	16.6
87.5°	16.7
90°	16.8
92.5°	17.0
95°	17.1
97.5°	17.2
100°	17.3
102.5°	17.3
105°	17.3
107.5°	17.2
110°	17.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	17.0
115°	16.8
117.5°	16.6
120°	16.4
122.5°	16.1
125°	15.8
127.5°	15.5
130°	15.2
132.5°	14.8
135°	14.4
137.5°	14.0
140°	13.6
142.5°	13.2
145°	12.7
147.5°	12.3
150°	11.8
152.5°	11.3
155°	10.8
157.5°	10.3
160°	9.8
162.5°	9.3
165°	8.6
167.5°	7.8
170°	6.8
172.5°	5.8
175°	4.5
177.5°	3.3
180°	2.9

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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	1.0	2.0	1.9	3.0	4.1	1.0	2.0	1.9	3.0	4.1
	3H	3.9	4.8	4.8	5.7	6.9	3.9	4.8	4.8	5.7	6.9
	4H	5.2	6.1	6.2	7.1	8.3	5.2	6.1	6.2	7.1	8.3
	6H	6.6	7.4	7.5	8.4	9.6	6.6	7.4	7.5	8.4	9.6
	8H	7.2	8.0	8.2	9.0	10.2	7.2	8.0	8.2	9.0	10.2
	12H	7.9	8.6	8.8	9.6	10.8	7.9	8.6	8.8	9.6	10.8
4H	2H	1.8	2.6	2.7	3.6	4.8	1.8	2.6	2.7	3.6	4.8
	3H	4.8	5.6	5.7	6.5	7.7	4.8	5.6	5.7	6.5	7.7
	4H	6.3	7.0	7.2	8.0	9.2	6.3	7.0	7.2	8.0	9.2
	6H	7.8	8.5	8.8	9.4	10.7	7.8	8.5	8.8	9.4	10.7
	8H	8.6	9.2	9.5	10.1	11.4	8.6	9.2	9.5	10.1	11.4
	12H	9.3	9.8	10.3	10.8	12.1	9.3	9.8	10.3	10.8	12.1
8H	4H	6.8	7.4	7.8	8.4	9.6	6.8	7.4	7.8	8.4	9.6
	6H	8.5	9.0	9.5	10.0	11.3	8.5	9.0	9.5	10.0	11.3
	8H	9.4	9.9	10.4	10.9	12.1	9.4	9.9	10.4	10.9	12.1
	12H	10.3	10.7	11.3	11.7	13.0	10.3	10.7	11.3	11.7	13.0
12H	4H	6.9	7.5	7.9	8.4	9.7	6.9	7.5	7.9	8.4	9.7
	6H	8.7	9.2	9.7	10.1	11.4	8.7	9.2	9.7	10.1	11.4
	8H	9.6	10.1	10.6	11.1	12.4	9.6	10.1	10.6	11.1	12.4

(END OF REPORT)