

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: P1245317

Luminaire Tested: PRLX-UNA-L-930-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245317
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-930-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

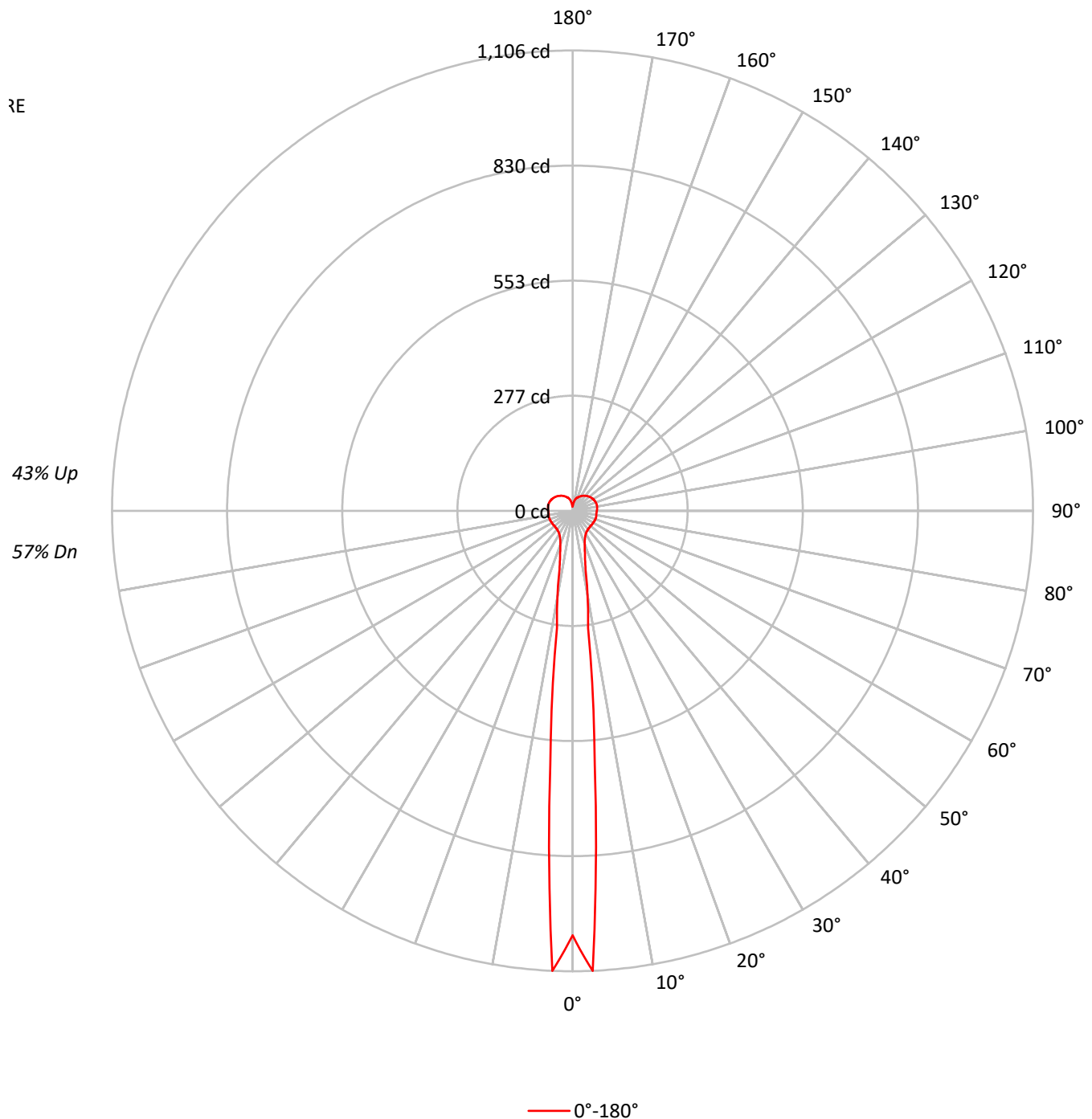
Lumens per Lamp: N/A
Luminaire Lumens: 758.0 lumens
Efficiency: N/A
Efficacy: 33.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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			
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°	32253
5°	15115
10°	4249
15°	1996
20°	1315
25°	977
30°	804
35°	702
40°	634
45°	595
50°	567
55°	552
60°	542
65°	540
70°	538
75°	541
80°	535
85°	543

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	6.0
10°-20°	34.1	4.5
20°-30°	33.2	4.4
30°-40°	37.8	5.0
40°-50°	44.1	5.8
50°-60°	51.2	6.8
60°-70°	57.5	7.6
70°-80°	61.8	8.2
80°-90°	63.1	8.3
90°-100°	64.7	8.5
100°-110°	63.3	8.4
110°-120°	57.9	7.6
120°-130°	49.3	6.5
130°-140°	38.9	5.1
140°-150°	27.8	3.7
150°-160°	17.5	2.3
160°-170°	8.5	1.1
170°-180°	1.8	0.2
0°-30°	112.7	14.9
0°-40°	150.5	19.9
0°-60°	245.9	32.4
0°-90°	428.3	56.5
90°-120°	185.9	24.5
90°-150°	301.9	39.8
90°-180°	330.0	43.5
0°-180°	758.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1020	
5°	613	45
15°	115	34
25°	71	33
35°	60	38
45°	57	44
55°	57	51
65°	58	58
75°	59	62
85°	58	47
90°	58	32
95°	59	49
105°	60	63
115°	58	58
125°	55	49
135°	50	39
145°	44	28
155°	38	17
165°	30	9
175°	16	2
180°	10	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1019.5
2.5°	1106.3
5°	612.8
7.5°	284.2
10°	208.9
12.5°	143.8
15°	114.6
17.5°	97.7
20°	85.8
22.5°	77.0
25°	70.9
27.5°	66.8
30°	63.8
32.5°	61.7
35°	60.0
37.5°	58.7
40°	57.7
42.5°	57.3
45°	57.0
47.5°	56.6
50°	56.6
52.5°	57.0
55°	57.0
57.5°	57.3
60°	57.3
62.5°	57.7
65°	58.0
67.5°	58.3
70°	58.3
72.5°	58.7
75°	58.7
77.5°	58.3
80°	57.7
82.5°	57.7
85°	57.7
87.5°	58.0
90°	58.3
92.5°	59.0
95°	59.4
97.5°	59.7
100°	60.0
102.5°	60.0
105°	60.0
107.5°	59.7
110°	59.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.0
115°	58.3
117.5°	57.7
120°	57.0
122.5°	56.0
125°	54.9
127.5°	53.9
130°	52.9
132.5°	51.5
135°	50.2
137.5°	48.8
140°	47.1
142.5°	45.8
145°	44.1
147.5°	42.7
150°	41.0
152.5°	39.3
155°	37.6
157.5°	35.9
160°	33.9
162.5°	32.2
165°	29.8
167.5°	27.1
170°	23.7
172.5°	20.0
175°	15.6
177.5°	11.5
180°	10.2

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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	5.4	6.4	6.2	7.3	8.5	5.4	6.4	6.2	7.3	8.5
	3H	8.2	9.1	9.1	10.0	11.2	8.2	9.1	9.1	10.0	11.2
	4H	9.6	10.5	10.5	11.4	12.6	9.6	10.5	10.5	11.4	12.6
	6H	10.9	11.7	11.8	12.7	13.9	10.9	11.7	11.8	12.7	13.9
	8H	11.6	12.3	12.5	13.3	14.5	11.6	12.3	12.5	13.3	14.5
	12H	12.2	12.9	13.1	13.9	15.1	12.2	12.9	13.1	13.9	15.1
4H	2H	6.1	7.0	7.0	7.9	9.1	6.1	7.0	7.0	7.9	9.1
	3H	9.1	9.9	10.0	10.8	12.1	9.1	9.9	10.0	10.8	12.1
	4H	10.6	11.4	11.6	12.3	13.5	10.6	11.4	11.6	12.3	13.5
	6H	12.2	12.8	13.1	13.8	15.0	12.2	12.8	13.1	13.8	15.0
	8H	12.9	13.5	13.8	14.5	15.7	12.9	13.5	13.8	14.5	15.7
	12H	13.6	14.2	14.6	15.2	16.4	13.6	14.2	14.6	15.2	16.4
8H	4H	11.1	11.7	12.1	12.7	14.0	11.1	11.7	12.1	12.7	14.0
	6H	12.8	13.4	13.8	14.4	15.6	12.8	13.4	13.8	14.4	15.6
	8H	13.7	14.2	14.7	15.2	16.4	13.7	14.2	14.7	15.2	16.4
	12H	14.6	15.0	15.6	16.0	17.3	14.6	15.0	15.6	16.0	17.3
12H	4H	11.2	11.8	12.2	12.8	14.0	11.2	11.8	12.2	12.8	14.0
	6H	13.0	13.5	14.0	14.5	15.8	13.0	13.5	14.0	14.5	15.8
	8H	14.0	14.4	15.0	15.4	16.7	14.0	14.4	15.0	15.4	16.7

(END OF REPORT)