

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: P1245041

Luminaire Tested: PRLX-NIM-L-930-09L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-930-09L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

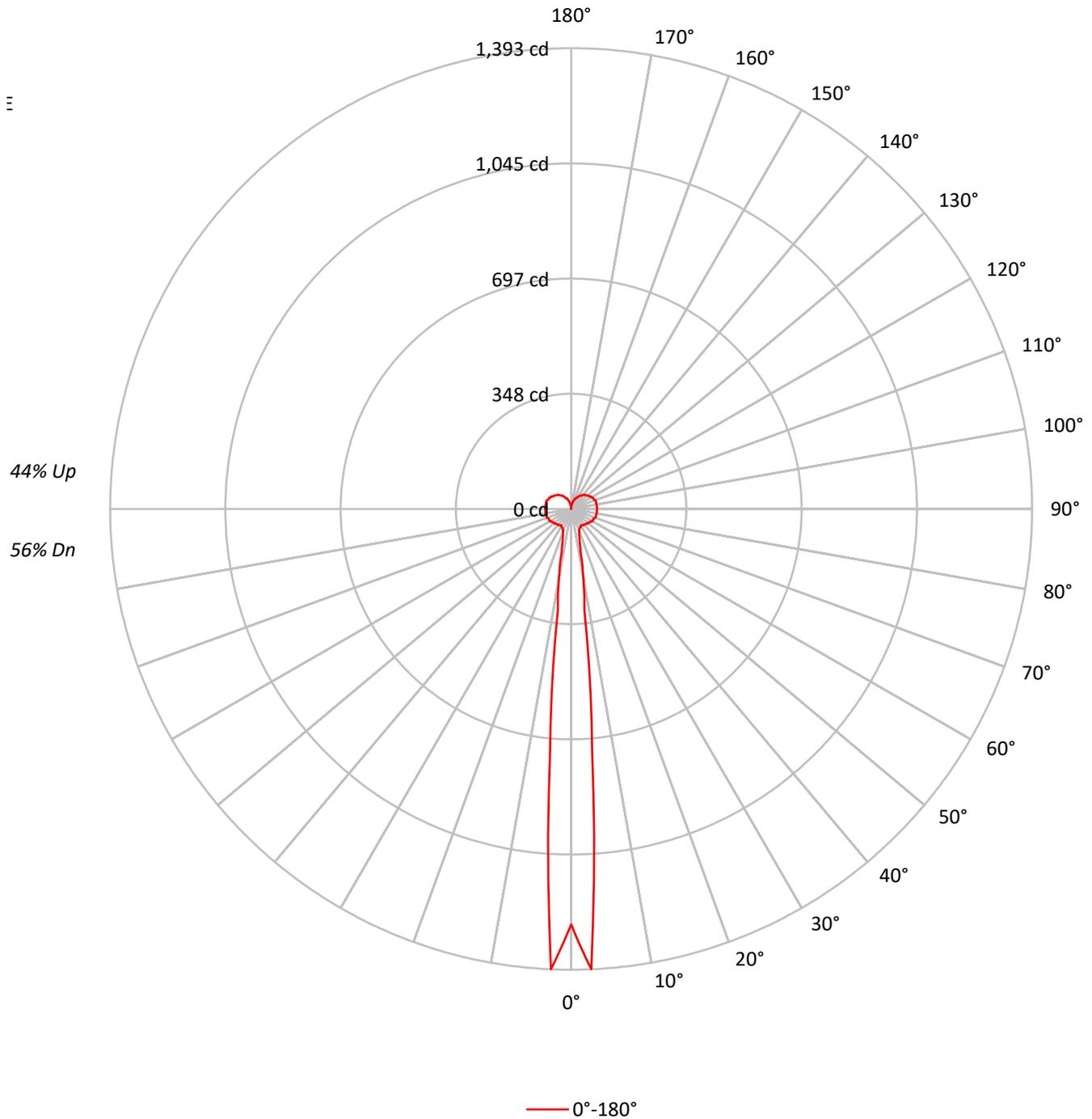
Lumens per Lamp: N/A
Luminaire Lumens: 907.6 lumens
Efficiency: N/A
Efficacy: 40.2 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62		58	55	53		48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49		49	45	42		40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40		43	38	34		35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34		38	33	29		31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30		34	29	25		28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26		31	26	22		26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23		29	24	20		24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21		27	22	18		23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19		25	20	17		21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18		24	19	16		20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39748
5°	17996
10°	4286
15°	1698
20°	1076
25°	860
30°	738
35°	684
40°	686
45°	651
50°	664
55°	680
60°	701
65°	689
70°	719
75°	719
80°	724
85°	734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	5.9
10°-20°	30.3	3.3
20°-30°	29.4	3.2
30°-40°	37.7	4.2
40°-50°	49.5	5.5
50°-60°	62.2	6.9
60°-70°	74.1	8.2
70°-80°	82.5	9.1
80°-90°	85.1	9.4
90°-100°	85.1	9.4
100°-110°	82.5	9.1
110°-120°	73.6	8.1
120°-130°	60.4	6.7
130°-140°	46.1	5.1
140°-150°	31.1	3.4
150°-160°	17.1	1.9
160°-170°	6.9	0.8
170°-180°	0.8	0.1
0°-30°	112.9	12.4
0°-40°	150.7	16.6
0°-60°	262.4	28.9
0°-90°	504.0	55.5
90°-120°	241.2	26.6
90°-150°	378.8	41.7
90°-180°	404.0	44.5
0°-180°	907.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1256	
5°	730	53
15°	98	30
25°	62	29
35°	58	38
45°	62	50
55°	70	62
65°	74	74
75°	78	83
85°	78	64
90°	78	43
95°	78	64
105°	78	83
115°	74	74
125°	66	60
135°	58	46
145°	51	31
155°	35	17
165°	23	7
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1256.4
2.5°	1392.9
5°	729.6
7.5°	308.2
10°	210.7
12.5°	132.7
15°	97.5
17.5°	81.9
20°	70.2
22.5°	66.3
25°	62.4
27.5°	62.4
30°	58.5
32.5°	58.5
35°	58.5
37.5°	62.4
40°	62.4
42.5°	62.4
45°	62.4
47.5°	66.3
50°	66.3
52.5°	66.3
55°	70.2
57.5°	70.2
60°	74.1
62.5°	74.1
65°	74.1
67.5°	74.1
70°	78.0
72.5°	78.0
75°	78.0
77.5°	78.0
80°	78.0
82.5°	78.0
85°	78.0
87.5°	78.0
90°	78.0
92.5°	78.0
95°	78.0
97.5°	78.0
100°	78.0
102.5°	78.0
105°	78.0
107.5°	78.0
110°	78.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.1
115°	74.1
117.5°	74.1
120°	70.2
122.5°	70.2
125°	66.3
127.5°	66.3
130°	62.4
132.5°	62.4
135°	58.5
137.5°	58.5
140°	54.6
142.5°	50.7
145°	50.7
147.5°	46.8
150°	42.9
152.5°	39.0
155°	35.1
157.5°	35.1
160°	31.2
162.5°	27.3
165°	23.4
167.5°	19.5
170°	15.6
172.5°	11.7
175°	3.9
177.5°	0.0
180°	0.0



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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	6.1	7.1	7.0	8.1	9.2	6.1	7.1	7.0	8.1	9.2
	3H	9.2	10.1	10.1	11.1	12.3	9.2	10.1	10.1	11.1	12.3
	4H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	6H	12.1	13.0	13.0	13.9	15.1	12.1	13.0	13.0	13.9	15.1
	8H	12.8	13.6	13.7	14.6	15.8	12.8	13.6	13.7	14.6	15.8
	12H	13.4	14.2	14.4	15.2	16.4	13.4	14.2	14.4	15.2	16.4
4H	2H	6.9	7.8	7.8	8.7	10.0	6.9	7.8	7.8	8.7	10.0
	3H	10.2	11.0	11.1	11.9	13.1	10.2	11.0	11.1	11.9	13.1
	4H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
	6H	13.4	14.0	14.3	15.0	16.3	13.4	14.0	14.3	15.0	16.3
	8H	14.2	14.8	15.1	15.8	17.0	14.2	14.8	15.1	15.8	17.0
	12H	14.9	15.5	15.9	16.5	17.8	14.9	15.5	15.9	16.5	17.8
8H	4H	12.3	12.9	13.3	13.9	15.2	12.3	12.9	13.3	13.9	15.2
	6H	14.1	14.6	15.1	15.7	16.9	14.1	14.6	15.1	15.7	16.9
	8H	15.0	15.5	16.0	16.5	17.8	15.0	15.5	16.0	16.5	17.8
	12H	16.0	16.4	16.9	17.4	18.7	16.0	16.4	16.9	17.4	18.7
12H	4H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	6H	14.3	14.8	15.3	15.8	17.1	14.3	14.8	15.3	15.8	17.1
	8H	15.3	15.7	16.3	16.7	18.0	15.3	15.7	16.3	16.7	18.0

(END OF REPORT)