

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: P1245040

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245040
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

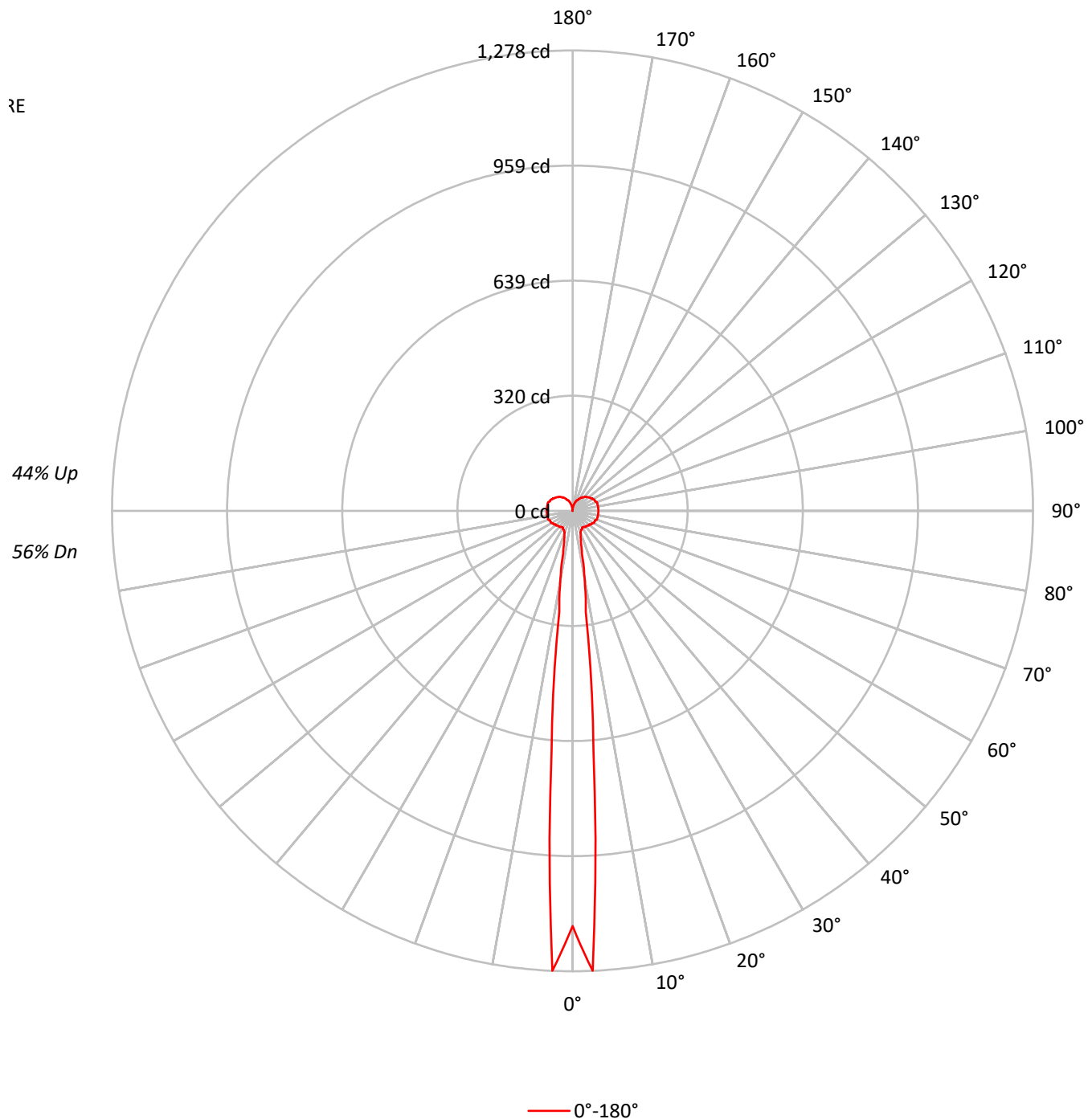
Lumens per Lamp: N/A
Luminaire Lumens: 833.1 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1245040

CATALOG NUMBER: PRLX-NIM-L-930-09L-U-NL

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	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°	36464
5°	16511
10°	3932
15°	1559
20°	987
25°	790
30°	677
35°	628
40°	630
45°	598
50°	610
55°	624
60°	643
65°	633
70°	660
75°	660
80°	664
85°	674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 689 cd/sqm

TEST NUMBER: P1245040

CATALOG NUMBER: PRLX-NIM-L-930-09L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	5.9
10°-20°	27.8	3.3
20°-30°	27.0	3.2
30°-40°	34.6	4.2
40°-50°	45.5	5.5
50°-60°	57.1	6.8
60°-70°	68.0	8.2
70°-80°	75.7	9.1
80°-90°	78.1	9.4
90°-100°	78.1	9.4
100°-110°	75.7	9.1
110°-120°	67.5	8.1
120°-130°	55.5	6.7
130°-140°	42.4	5.1
140°-150°	28.5	3.4
150°-160°	15.7	1.9
160°-170°	6.3	0.8
170°-180°	0.8	0.1
0°-30°	103.6	12.4
0°-40°	138.3	16.6
0°-60°	240.8	28.9
0°-90°	462.7	55.5
90°-120°	221.4	26.6
90°-150°	347.7	41.7
90°-180°	370.0	44.4
0°-180°	833.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1153	
5°	669	49
15°	90	28
25°	57	27
35°	54	35
45°	57	45
55°	64	57
65°	68	68
75°	72	76
85°	72	58
90°	72	39
95°	72	58
105°	72	76
115°	68	68
125°	61	55
135°	54	42
145°	46	28
155°	32	16
165°	22	6
175°	4	1
180°	0	

TEST NUMBER: P1245040

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1152.6
2.5°	1277.9
5°	669.4
7.5°	282.8
10°	193.3
12.5°	121.7
15°	89.5
17.5°	75.2
20°	64.4
22.5°	60.9
25°	57.3
27.5°	57.3
30°	53.7
32.5°	53.7
35°	53.7
37.5°	57.3
40°	57.3
42.5°	57.3
45°	57.3
47.5°	60.9
50°	60.9
52.5°	60.9
55°	64.4
57.5°	64.4
60°	68.0
62.5°	68.0
65°	68.0
67.5°	68.0
70°	71.6
72.5°	71.6
75°	71.6
77.5°	71.6
80°	71.6
82.5°	71.6
85°	71.6
87.5°	71.6
90°	71.6
92.5°	71.6
95°	71.6
97.5°	71.6
100°	71.6
102.5°	71.6
105°	71.6
107.5°	71.6
110°	71.6

TEST NUMBER: P1245040

CATALOG NUMBER: PRLX-NIM-L-930-09L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.0
115°	68.0
117.5°	68.0
120°	64.4
122.5°	64.4
125°	60.9
127.5°	60.9
130°	57.3
132.5°	57.3
135°	53.7
137.5°	53.7
140°	50.1
142.5°	46.5
145°	46.5
147.5°	43.0
150°	39.4
152.5°	35.8
155°	32.2
157.5°	32.2
160°	28.6
162.5°	25.1
165°	21.5
167.5°	17.9
170°	14.3
172.5°	10.7
175°	3.6
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	5.8	6.8	6.7	7.8	8.9	5.8	6.8	6.7	7.8	8.9
	3H	8.9	9.8	9.8	10.8	12.0	8.9	9.8	9.8	10.8	12.0
	4H	10.4	11.3	11.3	12.2	13.4	10.4	11.3	11.3	12.2	13.4
	6H	11.8	12.7	12.7	13.6	14.8	11.8	12.7	12.7	13.6	14.8
	8H	12.5	13.3	13.4	14.3	15.5	12.5	13.3	13.4	14.3	15.5
	12H	13.2	13.9	14.1	14.9	16.1	13.2	13.9	14.1	14.9	16.1
4H	2H	6.6	7.5	7.5	8.4	9.7	6.6	7.5	7.5	8.4	9.7
	3H	9.9	10.7	10.8	11.6	12.8	9.9	10.7	10.8	11.6	12.8
	4H	11.5	12.2	12.4	13.2	14.4	11.5	12.2	12.4	13.2	14.4
	6H	13.1	13.7	14.0	14.7	16.0	13.1	13.7	14.0	14.7	16.0
	8H	13.9	14.5	14.8	15.5	16.7	13.9	14.5	14.8	15.5	16.7
	12H	14.6	15.2	15.6	16.2	17.5	14.6	15.2	15.6	16.2	17.5
8H	4H	12.0	12.6	13.0	13.6	14.9	12.0	12.6	13.0	13.6	14.9
	6H	13.8	14.3	14.8	15.4	16.6	13.8	14.3	14.8	15.4	16.6
	8H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
	12H	15.7	16.1	16.6	17.1	18.4	15.7	16.1	16.6	17.1	18.4
12H	4H	12.1	12.7	13.1	13.7	15.0	12.1	12.7	13.1	13.7	15.0
	6H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8
	8H	15.0	15.4	16.0	16.4	17.7	15.0	15.4	16.0	16.4	17.7

(END OF REPORT)