

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: P1245071

Luminaire Tested: PRLX-NIM-L-935-09L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245071
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-935-09L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

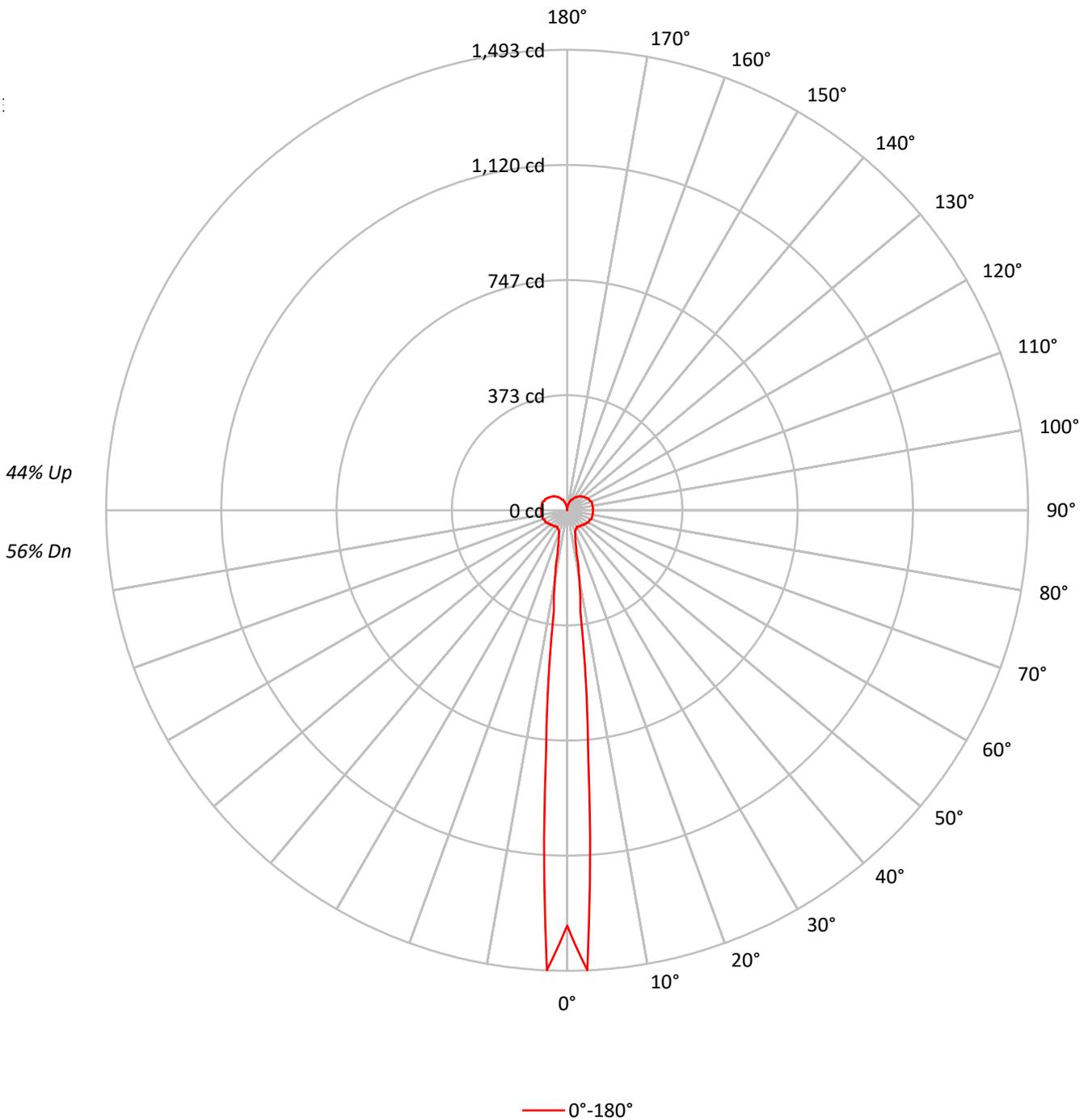
Lumens per Lamp: N/A
Luminaire Lumens: 972.9 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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: P1245071

CATALOG NUMBER: PRLX-NIM-L-935-09L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245071

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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°	42592
5°	19286
10°	4593
15°	1820
20°	1154
25°	922
30°	791
35°	734
40°	735
45°	698
50°	712
55°	730
60°	751
65°	739
70°	771
75°	770
80°	776
85°	787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 805 cd/sqm



TEST NUMBER: P1245071

CATALOG NUMBER: PRLX-NIM-L-935-09L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	5.9
10°-20°	32.4	3.3
20°-30°	31.5	3.2
30°-40°	40.4	4.2
40°-50°	53.1	5.5
50°-60°	66.7	6.9
60°-70°	79.4	8.2
70°-80°	88.4	9.1
80°-90°	91.2	9.4
90°-100°	91.2	9.4
100°-110°	88.4	9.1
110°-120°	78.9	8.1
120°-130°	64.8	6.7
130°-140°	49.5	5.1
140°-150°	33.3	3.4
150°-160°	18.3	1.9
160°-170°	7.4	0.8
170°-180°	0.9	0.1
0°-30°	121.1	12.4
0°-40°	161.5	16.6
0°-60°	281.3	28.9
0°-90°	540.3	55.5
90°-120°	258.5	26.6
90°-150°	406.1	41.7
90°-180°	433.0	44.5
0°-180°	972.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1346	
5°	782	57
15°	104	32
25°	67	32
35°	63	40
45°	67	53
55°	75	67
65°	79	79
75°	84	88
85°	84	68
90°	84	46
95°	84	68
105°	84	88
115°	79	79
125°	71	65
135°	63	49
145°	54	33
155°	38	18
165°	25	7
175°	4	1
180°	0	

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CATALOG NUMBER: PRLX-NIM-L-935-09L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1346.3
2.5°	1492.7
5°	781.9
7.5°	330.3
10°	225.8
12.5°	142.2
15°	104.5
17.5°	87.8
20°	75.3
22.5°	71.1
25°	66.9
27.5°	66.9
30°	62.7
32.5°	62.7
35°	62.7
37.5°	66.9
40°	66.9
42.5°	66.9
45°	66.9
47.5°	71.1
50°	71.1
52.5°	71.1
55°	75.3
57.5°	75.3
60°	79.4
62.5°	79.4
65°	79.4
67.5°	79.4
70°	83.6
72.5°	83.6
75°	83.6
77.5°	83.6
80°	83.6
82.5°	83.6
85°	83.6
87.5°	83.6
90°	83.6
92.5°	83.6
95°	83.6
97.5°	83.6
100°	83.6
102.5°	83.6
105°	83.6
107.5°	83.6
110°	83.6

TEST NUMBER: P1245071

CATALOG NUMBER: PRLX-NIM-L-935-09L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	79.4
115°	79.4
117.5°	79.4
120°	75.3
122.5°	75.3
125°	71.1
127.5°	71.1
130°	66.9
132.5°	66.9
135°	62.7
137.5°	62.7
140°	58.5
142.5°	54.4
145°	54.4
147.5°	50.2
150°	46.0
152.5°	41.8
155°	37.6
157.5°	37.6
160°	33.4
162.5°	29.3
165°	25.1
167.5°	20.9
170°	16.7
172.5°	12.5
175°	4.2
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	6.4	7.4	7.2	8.3	9.5	6.4	7.4	7.2	8.3	9.5
	3H	9.4	10.4	10.3	11.3	12.5	9.4	10.4	10.3	11.3	12.5
	4H	10.9	11.8	11.8	12.8	14.0	10.9	11.8	11.8	12.8	14.0
	6H	12.3	13.2	13.3	14.1	15.4	12.3	13.2	13.3	14.1	15.4
	8H	13.0	13.8	14.0	14.8	16.0	13.0	13.8	14.0	14.8	16.0
	12H	13.7	14.5	14.6	15.4	16.7	13.7	14.5	14.6	15.4	16.7
4H	2H	7.1	8.1	8.1	9.0	10.2	7.1	8.1	8.1	9.0	10.2
	3H	10.4	11.2	11.3	12.2	13.4	10.4	11.2	11.3	12.2	13.4
	4H	12.0	12.8	13.0	13.7	15.0	12.0	12.8	13.0	13.7	15.0
	6H	13.6	14.3	14.6	15.3	16.5	13.6	14.3	14.6	15.3	16.5
	8H	14.4	15.0	15.3	16.0	17.3	14.4	15.0	15.3	16.0	17.3
	12H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
8H	4H	12.6	13.2	13.5	14.2	15.4	12.6	13.2	13.5	14.2	15.4
	6H	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
	8H	15.3	15.7	16.2	16.7	18.0	15.3	15.7	16.2	16.7	18.0
	12H	16.2	16.6	17.2	17.6	19.0	16.2	16.6	17.2	17.6	19.0
12H	4H	12.7	13.2	13.6	14.2	15.5	12.7	13.2	13.6	14.2	15.5
	6H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	8H	15.5	16.0	16.5	17.0	18.3	15.5	16.0	16.5	17.0	18.3

(END OF REPORT)