

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: P1245010

Luminaire Tested: PRLX-NIM-L-927-09L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245010
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-927-09L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

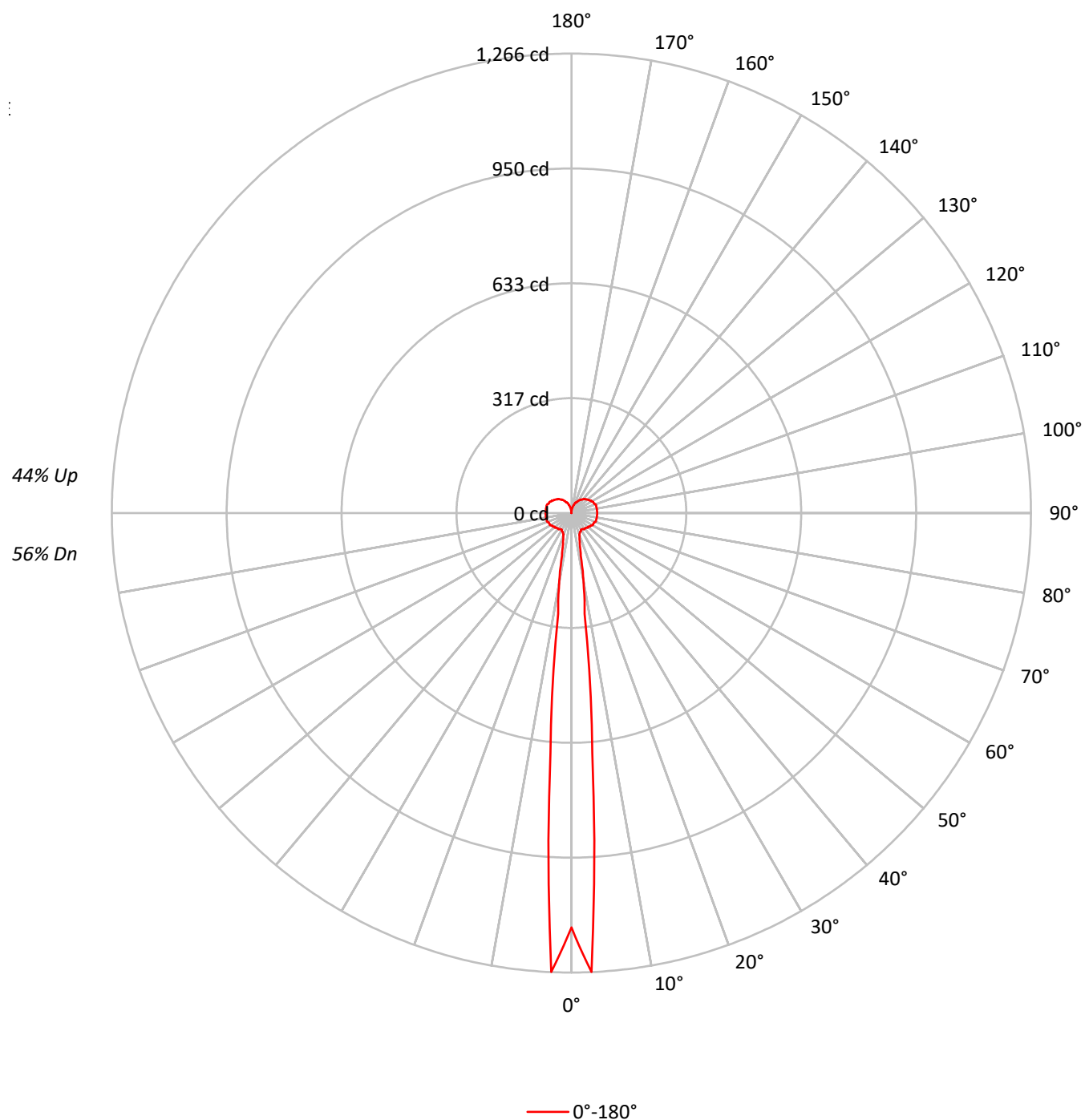
Lumens per Lamp: N/A
Luminaire Lumens: 825.1 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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: P1245010

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-WO

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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		87	82	77	73		70	66	62		58	55	53		48	45	43	
2	85	76	68	61		78	70	63	57		59	54	49		49	45	42		40	37	34	
3	77	66	57	50		71	61	53	47		52	45	40		43	38	34		35	31	28	
4	71	58	49	42		65	54	46	40		46	39	34		38	33	29		31	27	24	
5	65	52	43	36		60	48	40	34		41	35	30		34	29	25		28	24	21	
6	60	47	38	32		55	44	36	30		37	31	26		31	26	22		26	22	19	
7	56	43	34	28		51	40	32	27		34	28	23		29	24	20		24	20	17	
8	52	39	31	25		48	36	29	24		32	25	21		27	22	18		23	19	16	
9	49	36	28	23		45	34	27	22		29	23	19		25	20	17		21	17	15	
10	46	33	26	21		43	31	25	20		27	22	18		24	19	16		20	16	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36113
5°	16351
10°	3893
15°	1543
20°	978
25°	782
30°	671
35°	622
40°	623
45°	592
50°	604
55°	618
60°	637
65°	627
70°	654
75°	653
80°	658
85°	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 683 cd/sqm

TEST NUMBER: P1245010

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	5.9
10°-20°	27.5	3.3
20°-30°	26.7	3.2
30°-40°	34.3	4.2
40°-50°	45.0	5.5
50°-60°	56.5	6.9
60°-70°	67.3	8.2
70°-80°	75.0	9.1
80°-90°	77.4	9.4
90°-100°	77.4	9.4
100°-110°	75.0	9.1
110°-120°	66.9	8.1
120°-130°	54.9	6.7
130°-140°	41.9	5.1
140°-150°	28.2	3.4
150°-160°	15.5	1.9
160°-170°	6.2	0.8
170°-180°	0.8	0.1
0°-30°	102.6	12.4
0°-40°	136.9	16.6
0°-60°	238.5	28.9
0°-90°	458.2	55.5
90°-120°	219.3	26.6
90°-150°	344.4	41.7
90°-180°	367.0	44.5
0°-180°	825.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1142	
5°	663	48
15°	89	27
25°	57	27
35°	53	34
45°	57	45
55°	64	57
65°	67	67
75°	71	75
85°	71	58
90°	71	39
95°	71	58
105°	71	75
115°	67	67
125°	60	55
135°	53	42
145°	46	28
155°	32	16
165°	21	6
175°	4	1
180°	0	

TEST NUMBER: P1245010

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	1141.5
2.5°	1265.6
5°	662.9
7.5°	280.1
10°	191.4
12.5°	120.5
15°	88.6
17.5°	74.4
20°	63.8
22.5°	60.3
25°	56.7
27.5°	56.7
30°	53.2
32.5°	53.2
35°	53.2
37.5°	56.7
40°	56.7
42.5°	56.7
45°	56.7
47.5°	60.3
50°	60.3
52.5°	60.3
55°	63.8
57.5°	63.8
60°	67.4
62.5°	67.4
65°	67.4
67.5°	67.4
70°	70.9
72.5°	70.9
75°	70.9
77.5°	70.9
80°	70.9
82.5°	70.9
85°	70.9
87.5°	70.9
90°	70.9
92.5°	70.9
95°	70.9
97.5°	70.9
100°	70.9
102.5°	70.9
105°	70.9
107.5°	70.9
110°	70.9

TEST NUMBER: P1245010

CATALOG NUMBER: PRLX-NIM-L-927-09L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	67.4
115°	67.4
117.5°	67.4
120°	63.8
122.5°	63.8
125°	60.3
127.5°	60.3
130°	56.7
132.5°	56.7
135°	53.2
137.5°	53.2
140°	49.6
142.5°	46.1
145°	46.1
147.5°	42.5
150°	39.0
152.5°	35.5
155°	31.9
157.5°	31.9
160°	28.4
162.5°	24.8
165°	21.3
167.5°	17.7
170°	14.2
172.5°	10.6
175°	3.5
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	7.7	8.9	5.8	6.8	6.7	7.7	8.9
	3H	8.8	9.8	9.7	10.7	11.9	8.8	9.8	9.7	10.7	11.9
	4H	10.3	11.2	11.2	12.2	13.4	10.3	11.2	11.2	12.2	13.4
	6H	11.8	12.6	12.7	13.6	14.8	11.8	12.6	12.7	13.6	14.8
	8H	12.5	13.3	13.4	14.2	15.5	12.5	13.3	13.4	14.2	15.5
	12H	13.1	13.9	14.0	14.9	16.1	13.1	13.9	14.0	14.9	16.1
4H	2H	6.6	7.5	7.5	8.4	9.6	6.6	7.5	7.5	8.4	9.6
	3H	9.8	10.6	10.8	11.6	12.8	9.8	10.6	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	15.9	13.1	13.7	14.0	14.7	15.9
	8H	13.8	14.4	14.8	15.4	16.7	13.8	14.4	14.8	15.4	16.7
	12H	14.6	15.2	15.6	16.1	17.4	14.6	15.2	15.6	16.1	17.4
8H	4H	12.0	12.6	12.9	13.6	14.8	12.0	12.6	12.9	13.6	14.8
	6H	13.8	14.3	14.7	15.3	16.6	13.8	14.3	14.7	15.3	16.6
	8H	14.7	15.2	15.7	16.2	17.5	14.7	15.2	15.7	16.2	17.5
	12H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
12H	4H	12.1	12.7	13.1	13.7	14.9	12.1	12.7	13.1	13.7	14.9
	6H	14.0	14.4	14.9	15.4	16.7	14.0	14.4	14.9	15.4	16.7
	8H	15.0	15.4	15.9	16.4	17.7	15.0	15.4	15.9	16.4	17.7

(END OF REPORT)