

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: P1245122

Luminaire Tested: PRLX-NIM-L-940-23L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245122
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-940-23L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

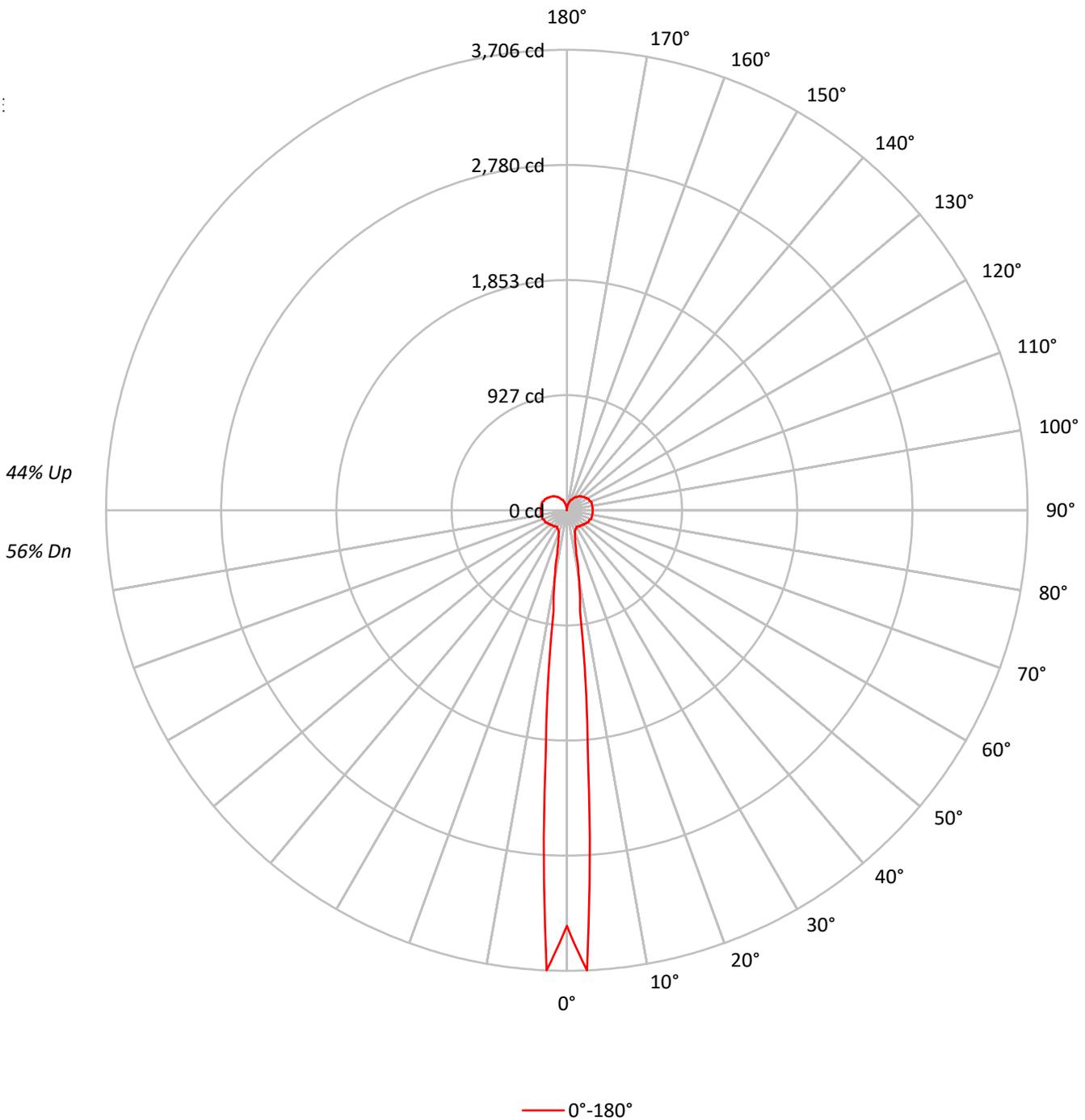
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2415.9 lumens
Efficiency: N/A
Efficacy: 41.5 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): 58.2
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: P1245122
CATALOG NUMBER: PRLX-NIM-L-940-23L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245122

CATALOG NUMBER: PRLX-NIM-L-940-23L-U-WO

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°	105760
5°	47887
10°	11402
15°	4520
20°	2865
25°	2290
30°	1963
35°	1822
40°	1826
45°	1734
50°	1767
55°	1811
60°	1866
65°	1835
70°	1915
75°	1913
80°	1926
85°	1954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1999 cd/sqm



TEST NUMBER: P1245122

CATALOG NUMBER: PRLX-NIM-L-940-23L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	5.9
10°-20°	80.5	3.3
20°-30°	78.3	3.2
30°-40°	100.4	4.2
40°-50°	131.8	5.5
50°-60°	165.5	6.9
60°-70°	197.2	8.2
70°-80°	219.6	9.1
80°-90°	226.5	9.4
90°-100°	226.5	9.4
100°-110°	219.6	9.1
110°-120°	195.9	8.1
120°-130°	160.9	6.7
130°-140°	122.8	5.1
140°-150°	82.7	3.4
150°-160°	45.4	1.9
160°-170°	18.3	0.8
170°-180°	2.2	0.1
0°-30°	300.6	12.4
0°-40°	401.0	16.6
0°-60°	698.3	28.9
0°-90°	1341.6	55.5
90°-120°	642.0	26.6
90°-150°	1008.4	41.7
90°-180°	1074.0	44.5
0°-180°	2415.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3343	
5°	1941	142
15°	260	81
25°	166	78
35°	156	100
45°	166	132
55°	187	166
65°	197	197
75°	208	220
85°	208	170
90°	208	114
95°	208	170
105°	208	220
115°	197	196
125°	176	161
135°	156	123
145°	135	83
155°	93	45
165°	62	18
175°	10	2
180°	0	

TEST NUMBER: P1245122

CATALOG NUMBER: PRLX-NIM-L-940-23L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	3343.0
2.5°	3706.3
5°	1941.4
7.5°	820.2
10°	560.6
12.5°	353.0
15°	259.5
17.5°	218.0
20°	186.9
22.5°	176.5
25°	166.1
27.5°	166.1
30°	155.7
32.5°	155.7
35°	155.7
37.5°	166.1
40°	166.1
42.5°	166.1
45°	166.1
47.5°	176.5
50°	176.5
52.5°	176.5
55°	186.9
57.5°	186.9
60°	197.3
62.5°	197.3
65°	197.3
67.5°	197.3
70°	207.6
72.5°	207.6
75°	207.6
77.5°	207.6
80°	207.6
82.5°	207.6
85°	207.6
87.5°	207.6
90°	207.6
92.5°	207.6
95°	207.6
97.5°	207.6
100°	207.6
102.5°	207.6
105°	207.6
107.5°	207.6
110°	207.6

TEST NUMBER: P1245122

CATALOG NUMBER: PRLX-NIM-L-940-23L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.3
115°	197.3
117.5°	197.3
120°	186.9
122.5°	186.9
125°	176.5
127.5°	176.5
130°	166.1
132.5°	166.1
135°	155.7
137.5°	155.7
140°	145.3
142.5°	135.0
145°	135.0
147.5°	124.6
150°	114.2
152.5°	103.8
155°	93.4
157.5°	93.4
160°	83.1
162.5°	72.7
165°	62.3
167.5°	51.9
170°	41.5
172.5°	31.1
175°	10.4
177.5°	0.0
180°	0.0



TEST NUMBER: P1245122

CATALOG NUMBER: PRLX-NIM-L-940-23L-U-WO

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	9.5	10.5	10.4	11.5	12.6	9.5	10.5	10.4	11.5	12.6
	3H	12.6	13.5	13.5	14.5	15.7	12.6	13.5	13.5	14.5	15.7
	4H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	6H	15.5	16.4	16.4	17.3	18.5	15.5	16.4	16.4	17.3	18.5
	8H	16.2	17.0	17.1	18.0	19.2	16.2	17.0	17.1	18.0	19.2
	12H	16.8	17.6	17.8	18.6	19.8	16.8	17.6	17.8	18.6	19.8
4H	2H	10.3	11.2	11.2	12.1	13.4	10.3	11.2	11.2	12.1	13.4
	3H	13.6	14.4	14.5	15.3	16.5	13.6	14.4	14.5	15.3	16.5
	4H	15.2	15.9	16.1	16.9	18.1	15.2	15.9	16.1	16.9	18.1
	6H	16.8	17.4	17.7	18.4	19.7	16.8	17.4	17.7	18.4	19.7
	8H	17.6	18.2	18.5	19.2	20.4	17.6	18.2	18.5	19.2	20.4
	12H	18.3	18.9	19.3	19.9	21.2	18.3	18.9	19.3	19.9	21.2
8H	4H	15.7	16.3	16.7	17.3	18.6	15.7	16.3	16.7	17.3	18.6
	6H	17.5	18.0	18.5	19.1	20.3	17.5	18.0	18.5	19.1	20.3
	8H	18.4	18.9	19.4	19.9	21.2	18.4	18.9	19.4	19.9	21.2
	12H	19.4	19.8	20.3	20.8	22.1	19.4	19.8	20.3	20.8	22.1
12H	4H	15.8	16.4	16.8	17.4	18.7	15.8	16.4	16.8	17.4	18.7
	6H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5
	8H	18.7	19.1	19.7	20.1	21.4	18.7	19.1	19.7	20.1	21.4

(END OF REPORT)