

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: P1245090

Luminaire Tested: PRLX-NIM-L-935-23L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245090
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-935-23L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

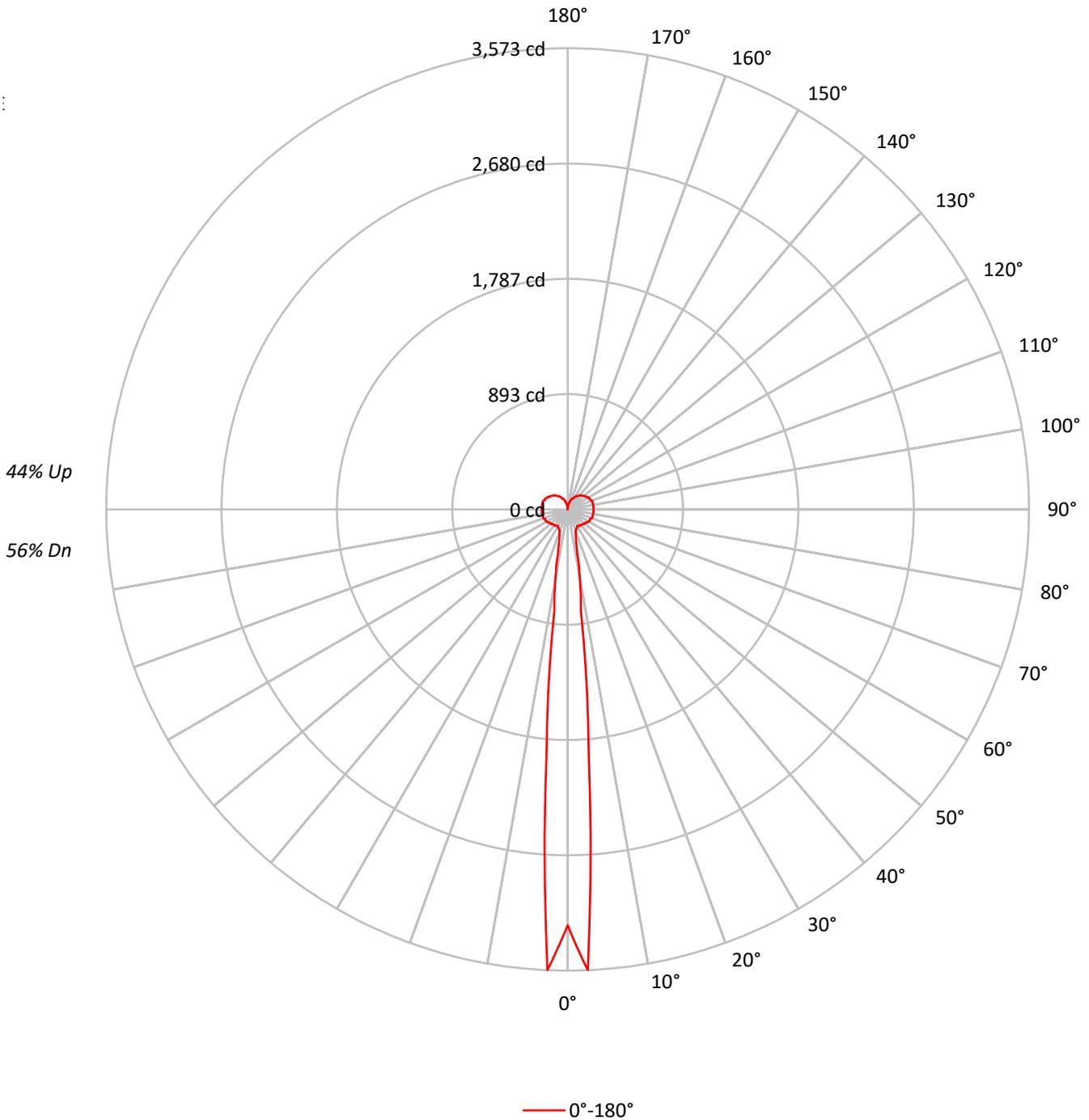
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2329.1 lumens
Efficiency: N/A
Efficacy: 40.0 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): 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: P1245090
CATALOG NUMBER: PRLX-NIM-L-935-23L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245090

CATALOG NUMBER: PRLX-NIM-L-935-23L-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°	101951
5°	46163
10°	10992
15°	4358
20°	2761
25°	2207
30°	1893
35°	1756
40°	1760
45°	1671
50°	1703
55°	1745
60°	1798
65°	1769
70°	1847
75°	1845
80°	1858
85°	1885

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1927 cd/sqm



TEST NUMBER: P1245090

CATALOG NUMBER: PRLX-NIM-L-935-23L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	5.9
10°-20°	77.6	3.3
20°-30°	75.5	3.2
30°-40°	96.8	4.2
40°-50°	127.0	5.5
50°-60°	159.5	6.8
60°-70°	190.1	8.2
70°-80°	211.8	9.1
80°-90°	218.4	9.4
90°-100°	218.4	9.4
100°-110°	211.8	9.1
110°-120°	188.9	8.1
120°-130°	155.0	6.7
130°-140°	118.4	5.1
140°-150°	79.7	3.4
150°-160°	43.8	1.9
160°-170°	17.6	0.8
170°-180°	2.1	0.1
0°-30°	289.7	12.4
0°-40°	386.6	16.6
0°-60°	673.1	28.9
0°-90°	1293.4	55.5
90°-120°	619.1	26.6
90°-150°	972.2	41.7
90°-180°	1036.0	44.5
0°-180°	2329.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3223	
5°	1872	137
15°	250	78
25°	160	75
35°	150	97
45°	160	127
55°	180	160
65°	190	190
75°	200	212
85°	200	164
90°	200	110
95°	200	164
105°	200	212
115°	190	189
125°	170	155
135°	150	118
145°	130	80
155°	90	44
165°	60	18
175°	10	2
180°	0	

TEST NUMBER: P1245090

CATALOG NUMBER: PRLX-NIM-L-935-23L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	3222.6
2.5°	3572.9
5°	1871.5
7.5°	790.6
10°	540.4
12.5°	340.3
15°	250.2
17.5°	210.2
20°	180.1
22.5°	170.1
25°	160.1
27.5°	160.1
30°	150.1
32.5°	150.1
35°	150.1
37.5°	160.1
40°	160.1
42.5°	160.1
45°	160.1
47.5°	170.1
50°	170.1
52.5°	170.1
55°	180.1
57.5°	180.1
60°	190.2
62.5°	190.2
65°	190.2
67.5°	190.2
70°	200.2
72.5°	200.2
75°	200.2
77.5°	200.2
80°	200.2
82.5°	200.2
85°	200.2
87.5°	200.2
90°	200.2
92.5°	200.2
95°	200.2
97.5°	200.2
100°	200.2
102.5°	200.2
105°	200.2
107.5°	200.2
110°	200.2

TEST NUMBER: P1245090

CATALOG NUMBER: PRLX-NIM-L-935-23L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.2
115°	190.2
117.5°	190.2
120°	180.1
122.5°	180.1
125°	170.1
127.5°	170.1
130°	160.1
132.5°	160.1
135°	150.1
137.5°	150.1
140°	140.1
142.5°	130.1
145°	130.1
147.5°	120.1
150°	110.1
152.5°	100.1
155°	90.1
157.5°	90.1
160°	80.1
162.5°	70.1
165°	60.0
167.5°	50.0
170°	40.0
172.5°	30.0
175°	10.0
177.5°	0.0
180°	0.0



TEST NUMBER: P1245090

CATALOG NUMBER: PRLX-NIM-L-935-23L-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	9.4	10.4	10.3	11.3	12.5	9.4	10.4	10.3	11.3	12.5
	3H	12.5	13.4	13.3	14.3	15.5	12.5	13.4	13.3	14.3	15.5
	4H	13.9	14.8	14.8	15.8	17.0	13.9	14.8	14.8	15.8	17.0
	6H	15.4	16.2	16.3	17.2	18.4	15.4	16.2	16.3	17.2	18.4
	8H	16.1	16.9	17.0	17.8	19.1	16.1	16.9	17.0	17.8	19.1
	12H	16.7	17.5	17.7	18.5	19.7	16.7	17.5	17.7	18.5	19.7
4H	2H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	3H	13.4	14.2	14.4	15.2	16.4	13.4	14.2	14.4	15.2	16.4
	4H	15.1	15.8	16.0	16.8	18.0	15.1	15.8	16.0	16.8	18.0
	6H	16.7	17.3	17.6	18.3	19.5	16.7	17.3	17.6	18.3	19.5
	8H	17.4	18.1	18.4	19.0	20.3	17.4	18.1	18.4	19.0	20.3
	12H	18.2	18.8	19.2	19.8	21.0	18.2	18.8	19.2	19.8	21.0
8H	4H	15.6	16.2	16.5	17.2	18.4	15.6	16.2	16.5	17.2	18.4
	6H	17.4	17.9	18.3	18.9	20.2	17.4	17.9	18.3	18.9	20.2
	8H	18.3	18.8	19.3	19.8	21.1	18.3	18.8	19.3	19.8	21.1
	12H	19.2	19.7	20.2	20.7	22.0	19.2	19.7	20.2	20.7	22.0
12H	4H	15.7	16.3	16.7	17.3	18.5	15.7	16.3	16.7	17.3	18.5
	6H	17.6	18.1	18.5	19.0	20.3	17.6	18.1	18.5	19.0	20.3
	8H	18.6	19.0	19.5	20.0	21.3	18.6	19.0	19.5	20.0	21.3

(END OF REPORT)