

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: P1245024

Luminaire Tested: PRLX-NIM-L-927-23L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245024
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-927-23L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

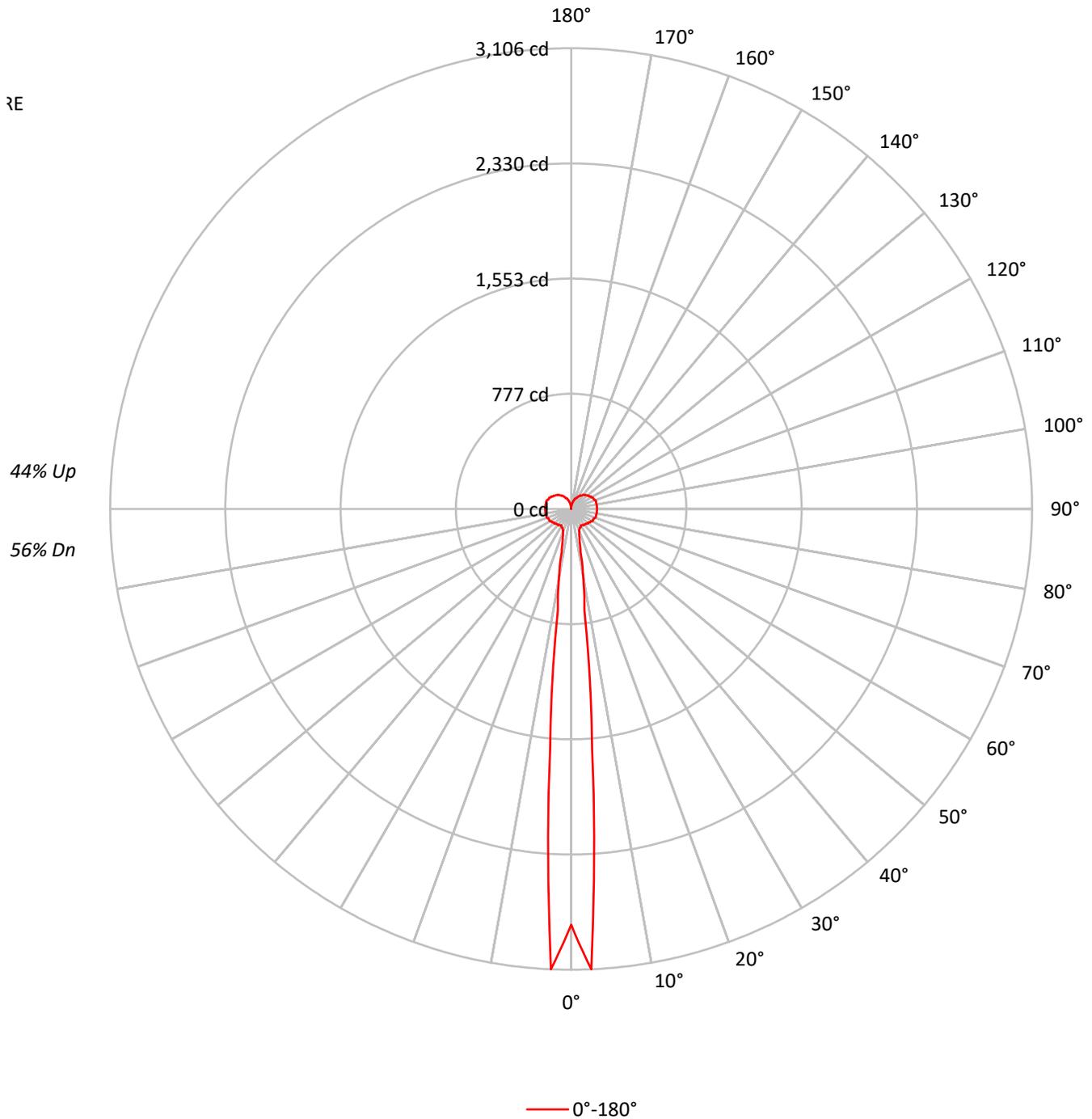
Lumens per Lamp: N/A
Luminaire Lumens: 2024.6 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1245024

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245024

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-NL

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°	88642
5°	40137
10°	9558
15°	3788
20°	2401
25°	1919
30°	1645
35°	1527
40°	1530
45°	1453
50°	1481
55°	1517
60°	1563
65°	1538
70°	1605
75°	1604
80°	1614
85°	1638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1675 cd/sqm



TEST NUMBER: P1245024

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	5.9
10°-20°	67.5	3.3
20°-30°	65.6	3.2
30°-40°	84.2	4.2
40°-50°	110.5	5.5
50°-60°	138.7	6.9
60°-70°	165.2	8.2
70°-80°	184.1	9.1
80°-90°	189.8	9.4
90°-100°	189.8	9.4
100°-110°	184.1	9.1
110°-120°	164.1	8.1
120°-130°	134.8	6.7
130°-140°	102.9	5.1
140°-150°	69.3	3.4
150°-160°	38.1	1.9
160°-170°	15.3	0.8
170°-180°	1.9	0.1
0°-30°	251.9	12.4
0°-40°	336.1	16.6
0°-60°	585.2	28.9
0°-90°	1124.4	55.5
90°-120°	538.1	26.6
90°-150°	845.1	41.7
90°-180°	900.0	44.5
0°-180°	2024.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2802	
5°	1627	119
15°	218	68
25°	139	66
35°	130	84
45°	139	110
55°	157	139
65°	165	165
75°	174	184
85°	174	142
90°	174	95
95°	174	142
105°	174	184
115°	165	164
125°	148	135
135°	130	103
145°	113	69
155°	78	38
165°	52	15
175°	9	2
180°	0	

TEST NUMBER: P1245024

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	2801.9
2.5°	3106.5
5°	1627.2
7.5°	687.4
10°	469.9
12.5°	295.9
15°	217.5
17.5°	182.7
20°	156.6
22.5°	147.9
25°	139.2
27.5°	139.2
30°	130.5
32.5°	130.5
35°	130.5
37.5°	139.2
40°	139.2
42.5°	139.2
45°	139.2
47.5°	147.9
50°	147.9
52.5°	147.9
55°	156.6
57.5°	156.6
60°	165.3
62.5°	165.3
65°	165.3
67.5°	165.3
70°	174.0
72.5°	174.0
75°	174.0
77.5°	174.0
80°	174.0
82.5°	174.0
85°	174.0
87.5°	174.0
90°	174.0
92.5°	174.0
95°	174.0
97.5°	174.0
100°	174.0
102.5°	174.0
105°	174.0
107.5°	174.0
110°	174.0

TEST NUMBER: P1245024

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	165.3
115°	165.3
117.5°	165.3
120°	156.6
122.5°	156.6
125°	147.9
127.5°	147.9
130°	139.2
132.5°	139.2
135°	130.5
137.5°	130.5
140°	121.8
142.5°	113.1
145°	113.1
147.5°	104.4
150°	95.7
152.5°	87.0
155°	78.3
157.5°	78.3
160°	69.6
162.5°	60.9
165°	52.2
167.5°	43.5
170°	34.8
172.5°	26.1
175°	8.7
177.5°	0.0
180°	0.0



TEST NUMBER: P1245024

CATALOG NUMBER: PRLX-NIM-L-927-23L-U-NL

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	8.9	9.9	9.8	10.9	12.0	8.9	9.9	9.8	10.9	12.0
	3H	12.0	12.9	12.9	13.8	15.0	12.0	12.9	12.9	13.8	15.0
	4H	13.5	14.4	14.4	15.3	16.5	13.5	14.4	14.4	15.3	16.5
	6H	14.9	15.7	15.8	16.7	17.9	14.9	15.7	15.8	16.7	17.9
	8H	15.6	16.4	16.5	17.3	18.6	15.6	16.4	16.5	17.3	18.6
	12H	16.2	17.0	17.2	18.0	19.2	16.2	17.0	17.2	18.0	19.2
4H	2H	9.7	10.6	10.6	11.5	12.7	9.7	10.6	10.6	11.5	12.7
	3H	13.0	13.7	13.9	14.7	15.9	13.0	13.7	13.9	14.7	15.9
	4H	14.6	15.3	15.5	16.3	17.5	14.6	15.3	15.5	16.3	17.5
	6H	16.2	16.8	17.1	17.8	19.1	16.2	16.8	17.1	17.8	19.1
	8H	16.9	17.6	17.9	18.5	19.8	16.9	17.6	17.9	18.5	19.8
	12H	17.7	18.3	18.7	19.3	20.5	17.7	18.3	18.7	19.3	20.5
8H	4H	15.1	15.7	16.0	16.7	18.0	15.1	15.7	16.0	16.7	18.0
	6H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
	8H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	12H	18.7	19.2	19.7	20.2	21.5	18.7	19.2	19.7	20.2	21.5
12H	4H	15.2	15.8	16.2	16.8	18.0	15.2	15.8	16.2	16.8	18.0
	6H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	8H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8

(END OF REPORT)