

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: P1245026

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245026  
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-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 7  
Light Source: -  
Ballast/Driver: -

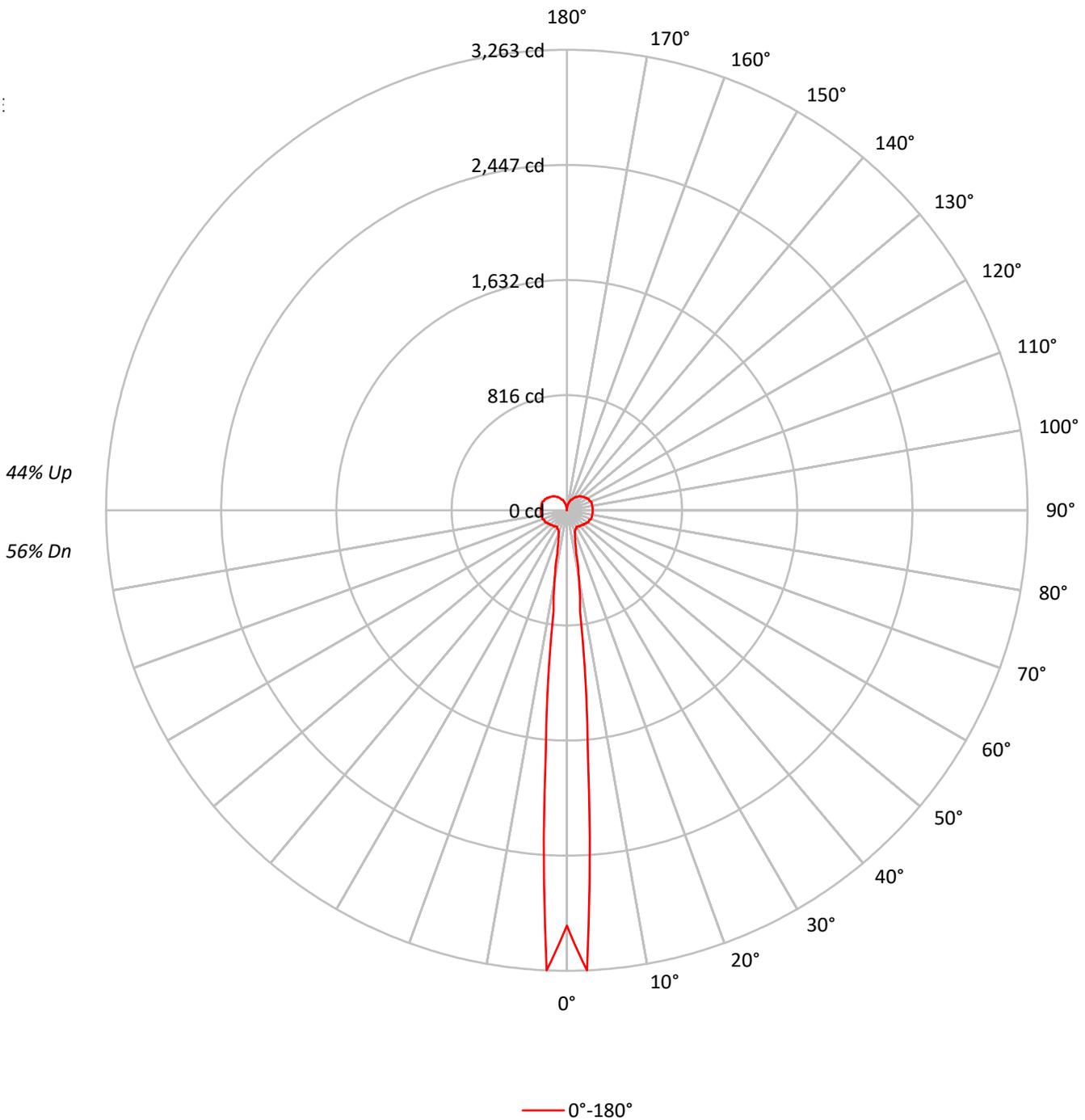
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2127.0 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): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1245026

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1245026

CATALOG NUMBER: PRLX-NIM-L-927-23L-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°	93109
5°	42159
10°	10040
15°	3980
20°	2522
25°	2015
30°	1729
35°	1604
40°	1607
45°	1526
50°	1556
55°	1594
60°	1642
65°	1616
70°	1686
75°	1685
80°	1696
85°	1721

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1760 cd/sqm

TEST NUMBER: P1245026

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	5.9
10°-20°	70.9	3.3
20°-30°	68.9	3.2
30°-40°	88.4	4.2
40°-50°	116.0	5.5
50°-60°	145.7	6.9
60°-70°	173.6	8.2
70°-80°	193.4	9.1
80°-90°	199.4	9.4
90°-100°	199.4	9.4
100°-110°	193.4	9.1
110°-120°	172.5	8.1
120°-130°	141.6	6.7
130°-140°	108.1	5.1
140°-150°	72.8	3.4
150°-160°	40.0	1.9
160°-170°	16.1	0.8
170°-180°	2.0	0.1
0°-30°	264.6	12.4
0°-40°	353.0	16.6
0°-60°	614.8	28.9
0°-90°	1181.2	55.5
90°-120°	565.3	26.6
90°-150°	887.8	41.7
90°-180°	946.0	44.5
0°-180°	2127.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2943	
5°	1709	125
15°	228	71
25°	146	69
35°	137	88
45°	146	116
55°	164	146
65°	174	174
75°	183	193
85°	183	149
90°	183	100
95°	183	149
105°	183	193
115°	174	172
125°	155	142
135°	137	108
145°	119	73
155°	82	40
165°	55	16
175°	9	2
180°	0	

TEST NUMBER: P1245026

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

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2943.1
2.5°	3263.0
5°	1709.2
7.5°	722.1
10°	493.6
12.5°	310.8
15°	228.5
17.5°	191.9
20°	164.5
22.5°	155.4
25°	146.2
27.5°	146.2
30°	137.1
32.5°	137.1
35°	137.1
37.5°	146.2
40°	146.2
42.5°	146.2
45°	146.2
47.5°	155.4
50°	155.4
52.5°	155.4
55°	164.5
57.5°	164.5
60°	173.7
62.5°	173.7
65°	173.7
67.5°	173.7
70°	182.8
72.5°	182.8
75°	182.8
77.5°	182.8
80°	182.8
82.5°	182.8
85°	182.8
87.5°	182.8
90°	182.8
92.5°	182.8
95°	182.8
97.5°	182.8
100°	182.8
102.5°	182.8
105°	182.8
107.5°	182.8
110°	182.8

TEST NUMBER: P1245026

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

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	173.7
115°	173.7
117.5°	173.7
120°	164.5
122.5°	164.5
125°	155.4
127.5°	155.4
130°	146.2
132.5°	146.2
135°	137.1
137.5°	137.1
140°	128.0
142.5°	118.8
145°	118.8
147.5°	109.7
150°	100.5
152.5°	91.4
155°	82.3
157.5°	82.3
160°	73.1
162.5°	64.0
165°	54.8
167.5°	45.7
170°	36.6
172.5°	27.4
175°	9.1
177.5°	0.0
180°	0.0

TEST NUMBER: P1245026

CATALOG NUMBER: PRLX-NIM-L-927-23L-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	9.1	10.1	10.0	11.0	12.2	9.1	10.1	10.0	11.0	12.2
	3H	12.1	13.1	13.0	14.0	15.2	12.1	13.1	13.0	14.0	15.2
	4H	13.6	14.5	14.5	15.5	16.7	13.6	14.5	14.5	15.5	16.7
	6H	15.1	15.9	16.0	16.9	18.1	15.1	15.9	16.0	16.9	18.1
	8H	15.7	16.6	16.7	17.5	18.7	15.7	16.6	16.7	17.5	18.7
	12H	16.4	17.2	17.3	18.1	19.4	16.4	17.2	17.3	18.1	19.4
4H	2H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	3H	13.1	13.9	14.0	14.9	16.1	13.1	13.9	14.0	14.9	16.1
	4H	14.7	15.5	15.7	16.4	17.7	14.7	15.5	15.7	16.4	17.7
	6H	16.3	17.0	17.3	18.0	19.2	16.3	17.0	17.3	18.0	19.2
	8H	17.1	17.7	18.1	18.7	20.0	17.1	17.7	18.1	18.7	20.0
	12H	17.9	18.4	18.8	19.4	20.7	17.9	18.4	18.8	19.4	20.7
8H	4H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	6H	17.1	17.6	18.0	18.6	19.9	17.1	17.6	18.0	18.6	19.9
	8H	18.0	18.5	19.0	19.5	20.7	18.0	18.5	19.0	19.5	20.7
	12H	18.9	19.4	19.9	20.4	21.7	18.9	19.4	19.9	20.4	21.7
12H	4H	15.4	16.0	16.3	16.9	18.2	15.4	16.0	16.3	16.9	18.2
	6H	17.3	17.7	18.2	18.7	20.0	17.3	17.7	18.2	18.7	20.0
	8H	18.2	18.7	19.2	19.7	21.0	18.2	18.7	19.2	19.7	21.0

(END OF REPORT)