

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: P1245139

Luminaire Tested: PRLX-NIM-M-927-06L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-927-06L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

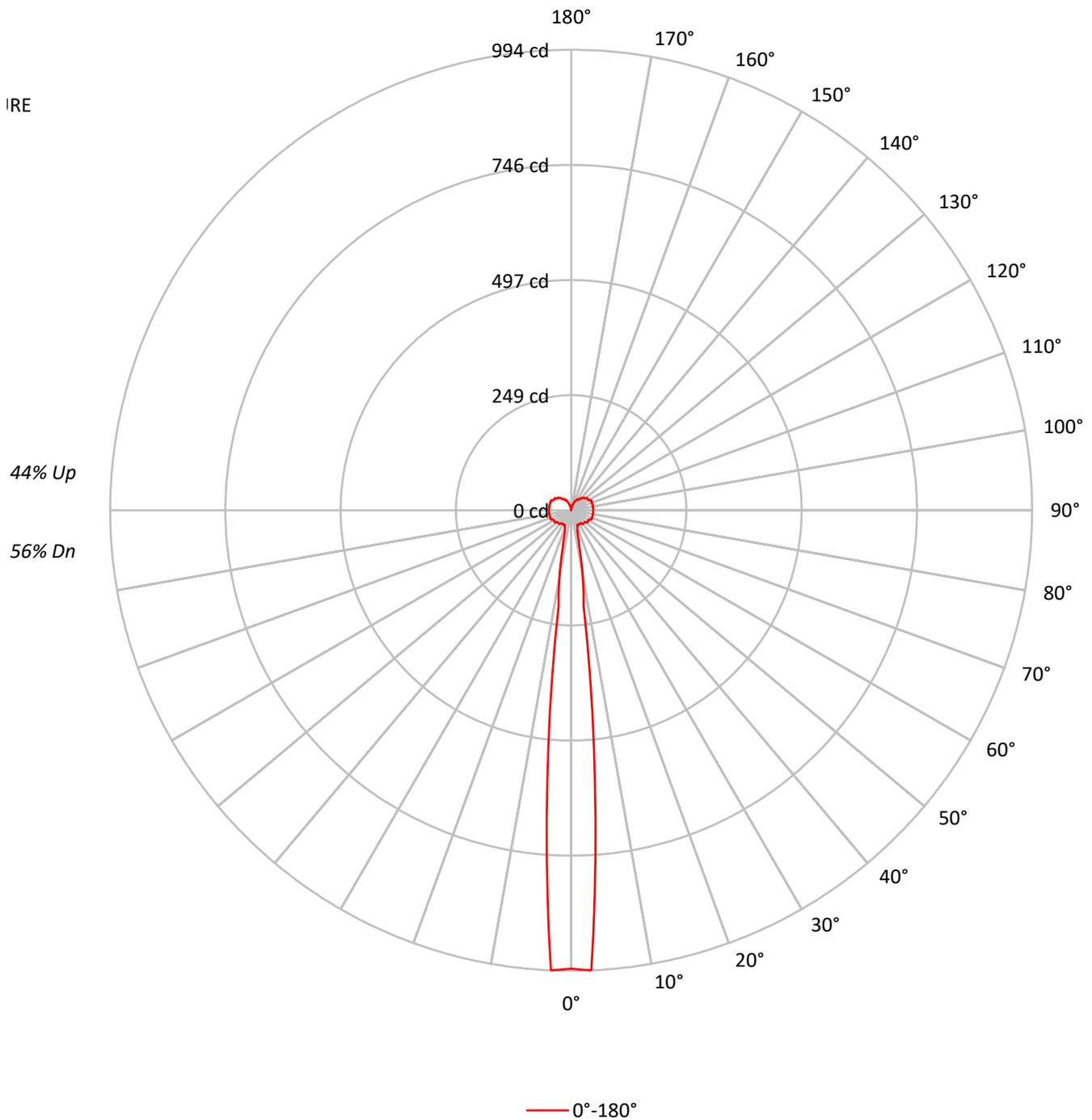
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 562.8 lumens  
Efficiency: N/A  
Efficacy: 26.4 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 21.3  
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: P1245139

CATALOG NUMBER: PRLX-NIM-M-927-06L-U-LF

### Luminous Intensity Polar Plot





TEST NUMBER: P1245139

CATALOG NUMBER: PRLX-NIM-M-927-06L-U-LF

**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	88	82	77	73	70	66	63		58	55	53		48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21	17	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	50709
5°	22228
10°	4289
15°	1411
20°	845
25°	665
30°	601
35°	553
40°	580
45°	547
50°	521
55°	556
60°	540
65°	580
70°	572
75°	569
80°	570
85°	575

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 585 cd/sqm



TEST NUMBER: P1245139

CATALOG NUMBER: PRLX-NIM-M-927-06L-U-LF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	7.0
10°-20°	18.0	3.2
20°-30°	16.3	2.9
30°-40°	22.2	3.9
40°-50°	30.3	5.4
50°-60°	38.5	6.8
60°-70°	45.8	8.1
70°-80°	50.5	9.0
80°-90°	52.0	9.2
90°-100°	52.0	9.2
100°-110°	50.5	9.0
110°-120°	46.8	8.3
120°-130°	38.5	6.8
130°-140°	29.1	5.2
140°-150°	18.5	3.3
150°-160°	10.7	1.9
160°-170°	3.5	0.6
170°-180°	0.3	0.1
0°-30°	73.7	13.1
0°-40°	95.9	17.0
0°-60°	164.6	29.2
0°-90°	312.9	55.6
90°-120°	149.3	26.5
90°-150°	235.4	41.8
90°-180°	250.0	44.4
0°-180°	562.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	990	
5°	590	39
15°	56	18
25°	35	16
35°	35	22
45°	39	30
55°	43	38
65°	48	46
75°	48	50
85°	48	39
90°	48	26
95°	48	39
105°	48	50
115°	48	47
125°	43	38
135°	39	29
145°	30	19
155°	22	11
165°	13	4
175°	0	0
180°	0	

TEST NUMBER: P1245139

CATALOG NUMBER: PRLX-NIM-M-927-06L-U-LF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	989.5
2.5°	993.9
5°	590.2
7.5°	208.3
10°	143.2
12.5°	82.5
15°	56.4
17.5°	43.4
20°	39.1
22.5°	34.7
25°	34.7
27.5°	34.7
30°	34.7
32.5°	34.7
35°	34.7
37.5°	34.7
40°	39.1
42.5°	39.1
45°	39.1
47.5°	39.1
50°	39.1
52.5°	43.4
55°	43.4
57.5°	43.4
60°	43.4
62.5°	43.4
65°	47.7
67.5°	47.7
70°	47.7
72.5°	47.7
75°	47.7
77.5°	47.7
80°	47.7
82.5°	47.7
85°	47.7
87.5°	47.7
90°	47.7
92.5°	47.7
95°	47.7
97.5°	47.7
100°	47.7
102.5°	47.7
105°	47.7
107.5°	47.7
110°	47.7

TEST NUMBER: P1245139

CATALOG NUMBER: PRLX-NIM-M-927-06L-U-LF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	47.7
115°	47.7
117.5°	47.7
120°	43.4
122.5°	43.4
125°	43.4
127.5°	43.4
130°	39.1
132.5°	39.1
135°	39.1
137.5°	34.7
140°	34.7
142.5°	30.4
145°	30.4
147.5°	26.0
150°	26.0
152.5°	26.0
155°	21.7
157.5°	21.7
160°	17.4
162.5°	13.0
165°	13.0
167.5°	8.7
170°	8.7
172.5°	4.3
175°	0.0
177.5°	0.0
180°	0.0



TEST NUMBER: P1245139

CATALOG NUMBER: PRLX-NIM-M-927-06L-U-LF

**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	5.3	6.4	6.2	7.3	8.5	5.3	6.4	6.2	7.3	8.5
	3H	8.5	9.4	9.4	10.4	11.6	8.5	9.4	9.4	10.4	11.6
	4H	9.9	10.8	10.8	11.8	13.0	9.9	10.8	10.8	11.8	13.0
	6H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	8H	12.0	12.8	12.9	13.7	15.0	12.0	12.8	12.9	13.7	15.0
	12H	12.6	13.4	13.6	14.4	15.6	12.6	13.4	13.6	14.4	15.6
4H	2H	6.2	7.1	7.1	8.0	9.2	6.2	7.1	7.1	8.0	9.2
	3H	9.5	10.2	10.4	11.2	12.4	9.5	10.2	10.4	11.2	12.4
	4H	11.0	11.8	12.0	12.7	14.0	11.0	11.8	12.0	12.7	14.0
	6H	12.6	13.2	13.5	14.2	15.5	12.6	13.2	13.5	14.2	15.5
	8H	13.3	13.9	14.3	14.9	16.2	13.3	13.9	14.3	14.9	16.2
	12H	14.1	14.6	15.0	15.6	16.9	14.1	14.6	15.0	15.6	16.9
8H	4H	11.5	12.1	12.5	13.1	14.4	11.5	12.1	12.5	13.1	14.4
	6H	13.3	13.8	14.2	14.8	16.1	13.3	13.8	14.2	14.8	16.1
	8H	14.2	14.7	15.2	15.7	16.9	14.2	14.7	15.2	15.7	16.9
	12H	15.1	15.5	16.1	16.5	17.9	15.1	15.5	16.1	16.5	17.9
12H	4H	11.6	12.2	12.6	13.2	14.5	11.6	12.2	12.6	13.2	14.5
	6H	13.5	13.9	14.4	14.9	16.2	13.5	13.9	14.4	14.9	16.2
	8H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2

(END OF REPORT)