

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: P1245063

Luminaire Tested: PRLX-NIM-L-935-02L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245063  
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-935-02L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

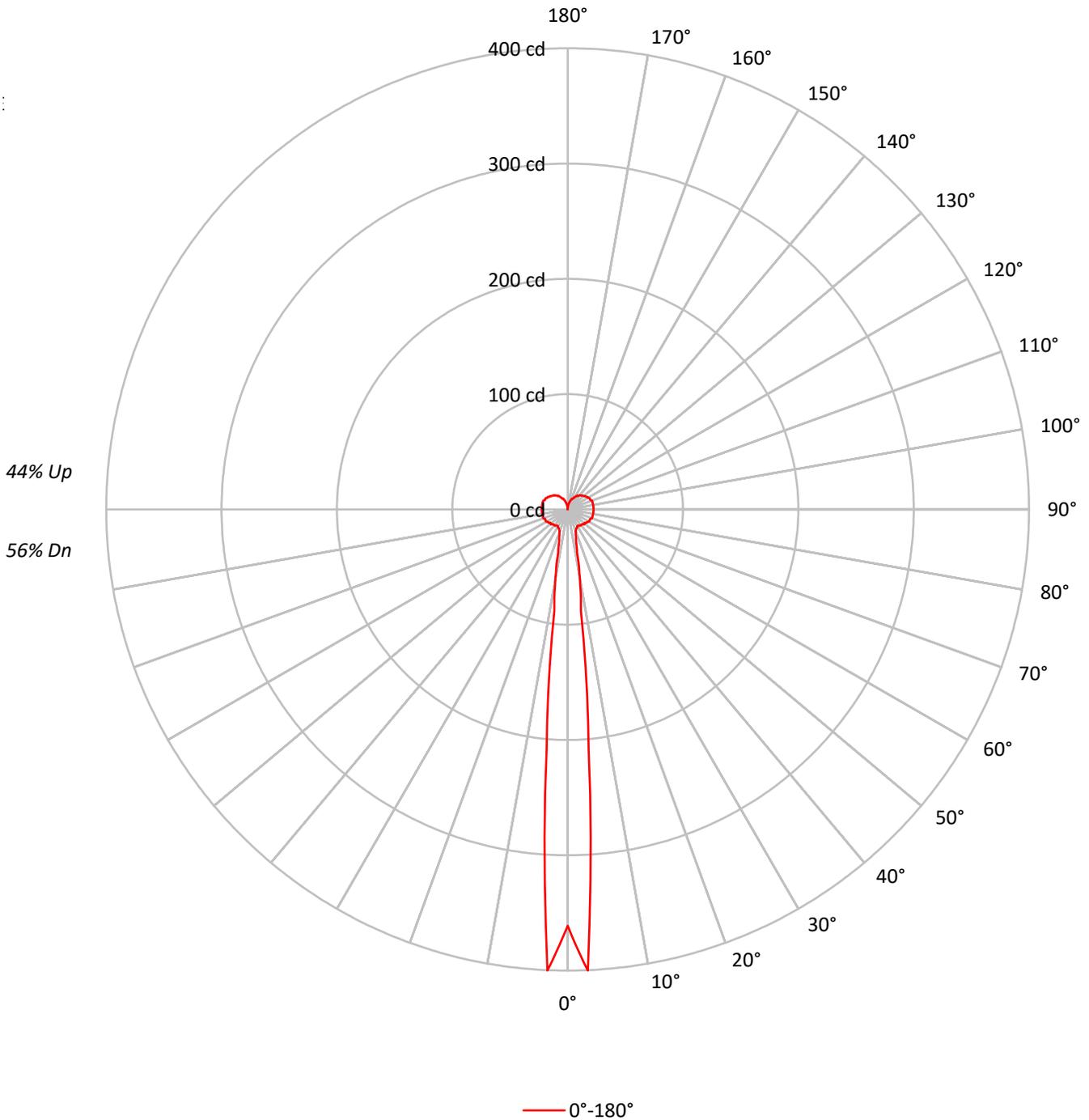
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 260.8 lumens  
Efficiency: N/A  
Efficacy: 46.6 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): 5.6  
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: P1245063

CATALOG NUMBER: PRLX-NIM-L-935-02L-U-LF

### Luminous Intensity Polar Plot





TEST NUMBER: P1245063

CATALOG NUMBER: PRLX-NIM-L-935-02L-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	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°	11424
5°	5172
10°	1233
15°	488
20°	310
25°	247
30°	212
35°	197
40°	197
45°	187
50°	191
55°	196
60°	201
65°	198
70°	207
75°	206
80°	208
85°	211

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 216 cd/sqm

TEST NUMBER: P1245063

CATALOG NUMBER: PRLX-NIM-L-935-02L-U-LF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.3	5.9
10°-20°	8.7	3.3
20°-30°	8.5	3.2
30°-40°	10.8	4.2
40°-50°	14.2	5.5
50°-60°	17.9	6.9
60°-70°	21.3	8.2
70°-80°	23.7	9.1
80°-90°	24.4	9.4
90°-100°	24.4	9.4
100°-110°	23.7	9.1
110°-120°	21.2	8.1
120°-130°	17.4	6.7
130°-140°	13.2	5.1
140°-150°	8.9	3.4
150°-160°	4.9	1.9
160°-170°	2.0	0.8
170°-180°	0.2	0.1
0°-30°	32.5	12.4
0°-40°	43.3	16.6
0°-60°	75.4	28.9
0°-90°	144.8	55.5
90°-120°	69.3	26.6
90°-150°	108.9	41.7
90°-180°	116.0	44.5
0°-180°	260.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	361	
5°	210	15
15°	28	9
25°	18	8
35°	17	11
45°	18	14
55°	20	18
65°	21	21
75°	22	24
85°	22	18
90°	22	12
95°	22	18
105°	22	24
115°	21	21
125°	19	17
135°	17	13
145°	15	9
155°	10	5
165°	7	2
175°	1	0
180°	0	

TEST NUMBER: P1245063

CATALOG NUMBER: PRLX-NIM-L-935-02L-U-LF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	361.1
2.5°	400.4
5°	209.7
7.5°	88.6
10°	60.6
12.5°	38.1
15°	28.0
17.5°	23.6
20°	20.2
22.5°	19.1
25°	17.9
27.5°	17.9
30°	16.8
32.5°	16.8
35°	16.8
37.5°	17.9
40°	17.9
42.5°	17.9
45°	17.9
47.5°	19.1
50°	19.1
52.5°	19.1
55°	20.2
57.5°	20.2
60°	21.3
62.5°	21.3
65°	21.3
67.5°	21.3
70°	22.4
72.5°	22.4
75°	22.4
77.5°	22.4
80°	22.4
82.5°	22.4
85°	22.4
87.5°	22.4
90°	22.4
92.5°	22.4
95°	22.4
97.5°	22.4
100°	22.4
102.5°	22.4
105°	22.4
107.5°	22.4
110°	22.4

TEST NUMBER: P1245063

CATALOG NUMBER: PRLX-NIM-L-935-02L-U-LF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	21.3
115°	21.3
117.5°	21.3
120°	20.2
122.5°	20.2
125°	19.1
127.5°	19.1
130°	17.9
132.5°	17.9
135°	16.8
137.5°	16.8
140°	15.7
142.5°	14.6
145°	14.6
147.5°	13.5
150°	12.3
152.5°	11.2
155°	10.1
157.5°	10.1
160°	9.0
162.5°	7.9
165°	6.7
167.5°	5.6
170°	4.5
172.5°	3.4
175°	1.1
177.5°	0.0
180°	0.0



TEST NUMBER: P1245063

CATALOG NUMBER: PRLX-NIM-L-935-02L-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	1.8	2.8	2.7	3.7	4.9	1.8	2.8	2.7	3.7	4.9
	3H	4.8	5.8	5.7	6.7	7.9	4.8	5.8	5.7	6.7	7.9
	4H	6.3	7.2	7.2	8.2	9.4	6.3	7.2	7.2	8.2	9.4
	6H	7.8	8.6	8.7	9.6	10.8	7.8	8.6	8.7	9.6	10.8
	8H	8.4	9.3	9.4	10.2	11.4	8.4	9.3	9.4	10.2	11.4
	12H	9.1	9.9	10.0	10.8	12.1	9.1	9.9	10.0	10.8	12.1
4H	2H	2.6	3.5	3.5	4.4	5.6	2.6	3.5	3.5	4.4	5.6
	3H	5.8	6.6	6.8	7.6	8.8	5.8	6.6	6.8	7.6	8.8
	4H	7.5	8.2	8.4	9.2	10.4	7.5	8.2	8.4	9.2	10.4
	6H	9.1	9.7	10.0	10.7	11.9	9.1	9.7	10.0	10.7	11.9
	8H	9.8	10.4	10.8	11.4	12.7	9.8	10.4	10.8	11.4	12.7
	12H	10.6	11.2	11.5	12.1	13.4	10.6	11.2	11.5	12.1	13.4
8H	4H	8.0	8.6	8.9	9.6	10.8	8.0	8.6	8.9	9.6	10.8
	6H	9.8	10.3	10.7	11.3	12.6	9.8	10.3	10.7	11.3	12.6
	8H	10.7	11.2	11.7	12.2	13.4	10.7	11.2	11.7	12.2	13.4
	12H	11.6	12.1	12.6	13.1	14.4	11.6	12.1	12.6	13.1	14.4
12H	4H	8.1	8.7	9.1	9.7	10.9	8.1	8.7	9.1	9.7	10.9
	6H	10.0	10.4	10.9	11.4	12.7	10.0	10.4	10.9	11.4	12.7
	8H	11.0	11.4	11.9	12.4	13.7	11.0	11.4	11.9	12.4	13.7

(END OF REPORT)