

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: P1245184

Luminaire Tested: PRLX-NIM-M-935-07L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245184  
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-935-07L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

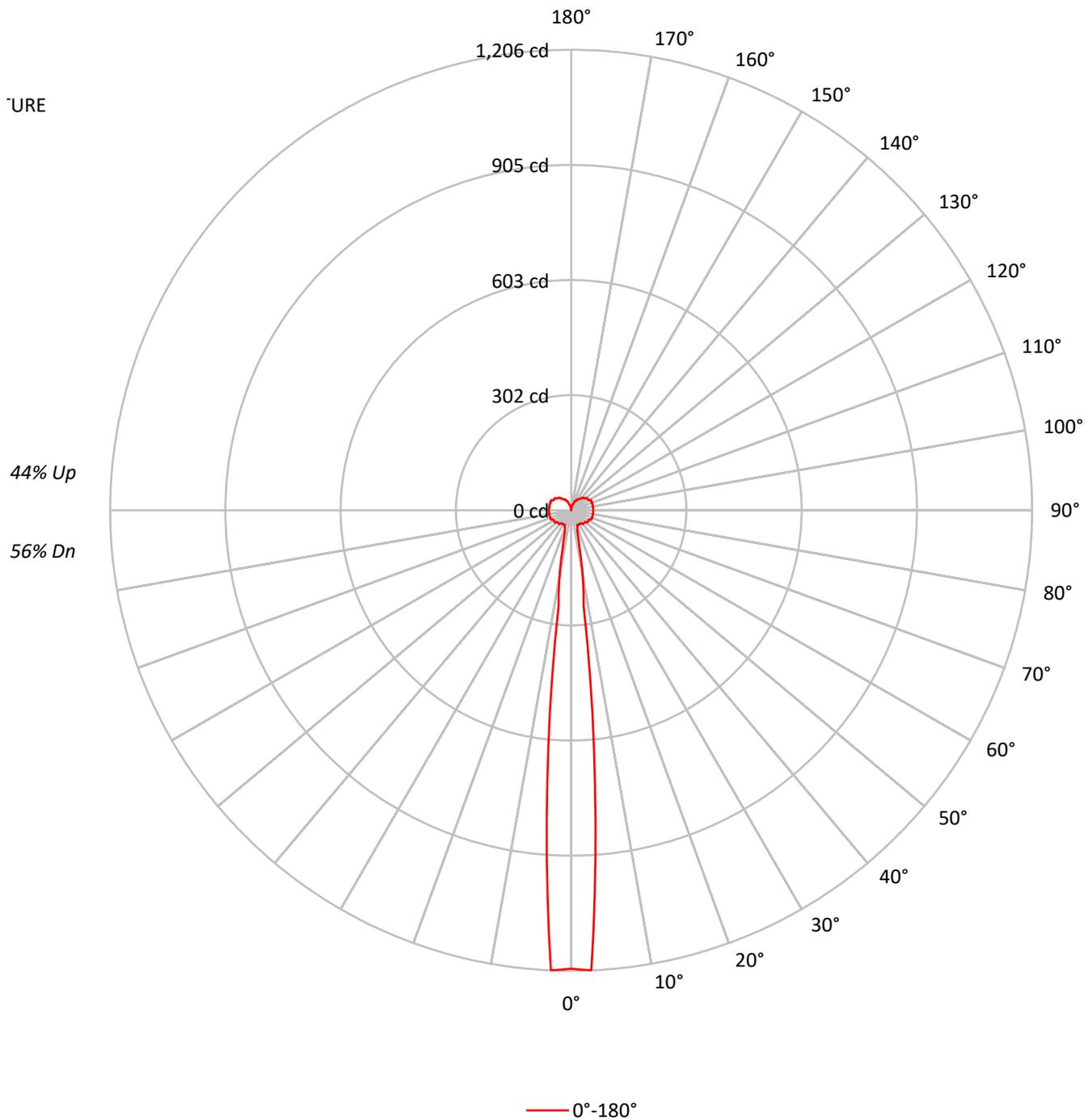
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.0 lumens  
Efficiency: N/A  
Efficacy: 23.6 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): 28.9  
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: P1245184  
CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NL

### Luminous Intensity Polar Plot





TEST NUMBER: P1245184

CATALOG NUMBER: PRLX-NIM-M-935-07L-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	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°	61517
5°	26970
10°	5202
15°	1711
20°	1025
25°	807
30°	730
35°	670
40°	703
45°	663
50°	632
55°	675
60°	655
65°	704
70°	695
75°	690
80°	691
85°	698

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 709 cd/sqm

TEST NUMBER: P1245184

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	7.0
10°-20°	21.9	3.2
20°-30°	19.7	2.9
30°-40°	26.9	3.9
40°-50°	36.7	5.4
50°-60°	46.7	6.8
60°-70°	55.6	8.1
70°-80°	61.3	9.0
80°-90°	63.2	9.2
90°-100°	63.2	9.2
100°-110°	61.3	9.0
110°-120°	56.8	8.3
120°-130°	46.7	6.8
130°-140°	35.2	5.2
140°-150°	22.5	3.3
150°-160°	12.9	1.9
160°-170°	4.3	0.6
170°-180°	0.4	0.1
0°-30°	89.4	13.1
0°-40°	116.3	17.0
0°-60°	199.7	29.2
0°-90°	379.7	55.6
90°-120°	181.3	26.5
90°-150°	285.7	41.8
90°-180°	303.0	44.4
0°-180°	683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1200	
5°	716	48
15°	68	22
25°	42	20
35°	42	27
45°	47	37
55°	53	47
65°	58	56
75°	58	61
85°	58	47
90°	58	32
95°	58	47
105°	58	61
115°	58	57
125°	53	47
135°	47	35
145°	37	22
155°	26	13
165°	16	4
175°	0	0
180°	0	

TEST NUMBER: P1245184

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1200.4
2.5°	1205.7
5°	716.1
7.5°	252.7
10°	173.7
12.5°	100.0
15°	68.4
17.5°	52.7
20°	47.4
22.5°	42.1
25°	42.1
27.5°	42.1
30°	42.1
32.5°	42.1
35°	42.1
37.5°	42.1
40°	47.4
42.5°	47.4
45°	47.4
47.5°	47.4
50°	47.4
52.5°	52.7
55°	52.7
57.5°	52.7
60°	52.7
62.5°	52.7
65°	57.9
67.5°	57.9
70°	57.9
72.5°	57.9
75°	57.9
77.5°	57.9
80°	57.9
82.5°	57.9
85°	57.9
87.5°	57.9
90°	57.9
92.5°	57.9
95°	57.9
97.5°	57.9
100°	57.9
102.5°	57.9
105°	57.9
107.5°	57.9
110°	57.9



TEST NUMBER: P1245184

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NL

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	57.9
115°	57.9
117.5°	57.9
120°	52.7
122.5°	52.7
125°	52.7
127.5°	52.7
130°	47.4
132.5°	47.4
135°	47.4
137.5°	42.1
140°	42.1
142.5°	36.9
145°	36.9
147.5°	31.6
150°	31.6
152.5°	31.6
155°	26.3
157.5°	26.3
160°	21.1
162.5°	15.8
165°	15.8
167.5°	10.5
170°	10.5
172.5°	5.3
175°	0.0
177.5°	0.0
180°	0.0



TEST NUMBER: P1245184

CATALOG NUMBER: PRLX-NIM-M-935-07L-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	6.0	7.0	6.9	8.0	9.2	6.0	7.0	6.9	8.0	9.2
	3H	9.2	10.1	10.1	11.0	12.2	9.2	10.1	10.1	11.0	12.2
	4H	10.6	11.5	11.5	12.4	13.6	10.6	11.5	11.5	12.4	13.6
	6H	12.0	12.8	12.9	13.8	15.0	12.0	12.8	12.9	13.8	15.0
	8H	12.6	13.5	13.6	14.4	15.6	12.6	13.5	13.6	14.4	15.6
	12H	13.3	14.1	14.2	15.0	16.3	13.3	14.1	14.2	15.0	16.3
4H	2H	6.9	7.8	7.8	8.7	9.9	6.9	7.8	7.8	8.7	9.9
	3H	10.1	10.9	11.1	11.9	13.1	10.1	10.9	11.1	11.9	13.1
	4H	11.7	12.4	12.6	13.4	14.6	11.7	12.4	12.6	13.4	14.6
	6H	13.2	13.9	14.2	14.9	16.1	13.2	13.9	14.2	14.9	16.1
	8H	14.0	14.6	14.9	15.6	16.9	14.0	14.6	14.9	15.6	16.9
	12H	14.8	15.3	15.7	16.3	17.6	14.8	15.3	15.7	16.3	17.6
8H	4H	12.2	12.8	13.1	13.8	15.1	12.2	12.8	13.1	13.8	15.1
	6H	14.0	14.5	14.9	15.5	16.8	14.0	14.5	14.9	15.5	16.8
	8H	14.9	15.3	15.8	16.3	17.6	14.9	15.3	15.8	16.3	17.6
	12H	15.8	16.2	16.8	17.2	18.5	15.8	16.2	16.8	17.2	18.5
12H	4H	12.3	12.9	13.3	13.9	15.1	12.3	12.9	13.3	13.9	15.1
	6H	14.1	14.6	15.1	15.6	16.9	14.1	14.6	15.1	15.6	16.9
	8H	15.1	15.5	16.1	16.5	17.9	15.1	15.5	16.1	16.5	17.9

(END OF REPORT)