

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: P1245425

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-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

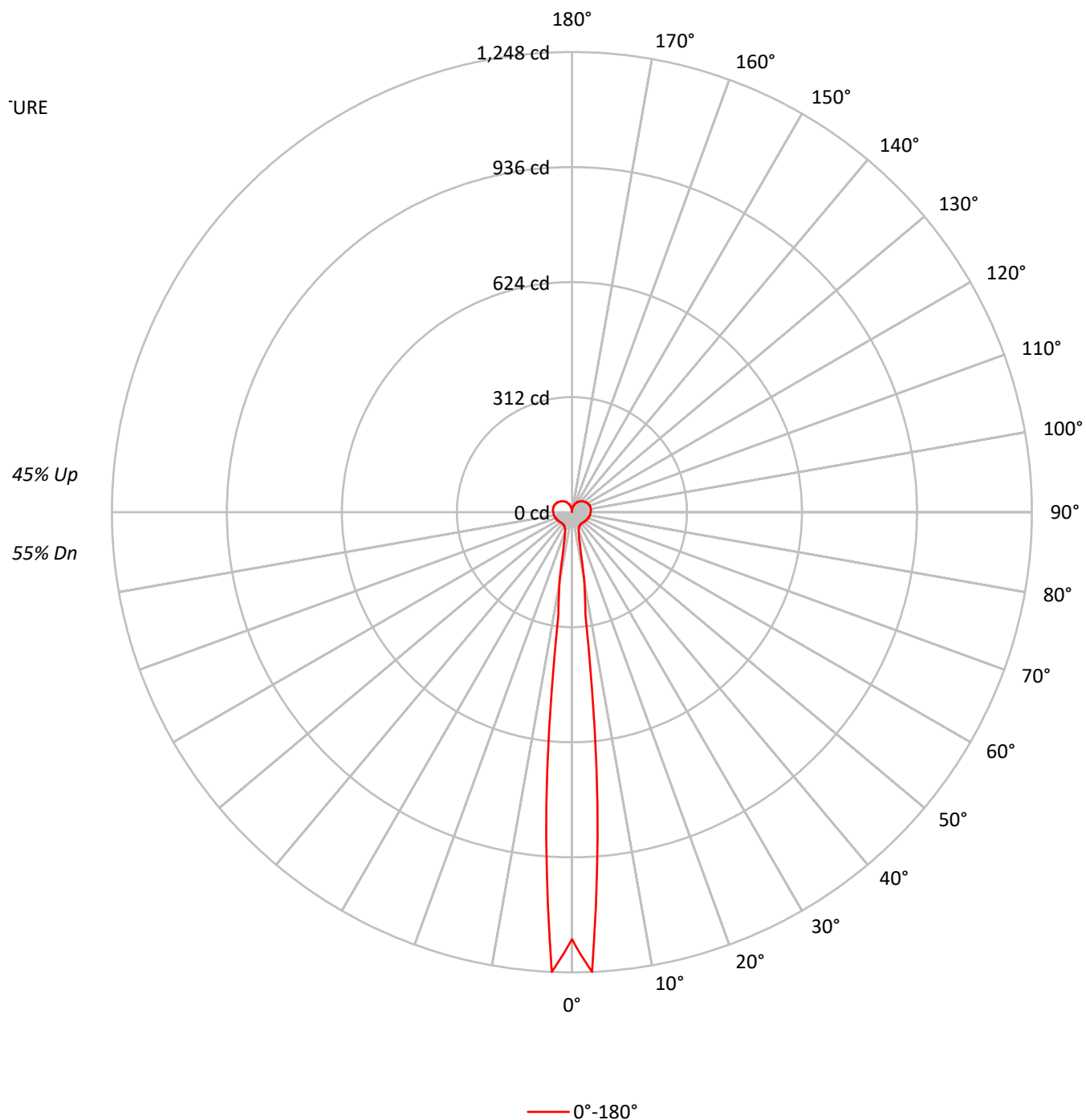
Lumens per Lamp: N/A
Luminaire Lumens: 621.0 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (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: P1245425

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

Luminous Intensity Polar Plot





TEST NUMBER: P1245425

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	55		
1	95	90	84	79	88	83	78	74	70	67	64	59	56	54	48	46	45	39		
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31		
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26		
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23		
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	31	27	24	21		
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19		
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17		
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16		
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15		
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59365
5°	30047
10°	5772
15°	1936
20°	1157
25°	884
30°	728
35°	656
40°	598
45°	576
50°	560
55°	548
60°	553
65°	551
70°	563
75°	579
80°	590
85°	605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 625 cd/sqm

TEST NUMBER: P1245425

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	8.3
10°-20°	24.7	4.0
20°-30°	21.4	3.4
30°-40°	25.7	4.1
40°-50°	31.7	5.1
50°-60°	38.5	6.2
60°-70°	45.1	7.3
70°-80°	51.1	8.2
80°-90°	54.8	8.8
90°-100°	56.3	9.1
100°-110°	54.8	8.8
110°-120°	49.7	8.0
120°-130°	41.9	6.7
130°-140°	32.3	5.2
140°-150°	22.3	3.6
150°-160°	13.0	2.1
160°-170°	5.5	0.9
170°-180°	0.8	0.1
0°-30°	97.5	15.7
0°-40°	123.2	19.8
0°-60°	193.5	31.2
0°-90°	344.4	55.5
90°-120°	160.8	25.9
90°-150°	257.3	41.4
90°-180°	277.0	44.6
0°-180°	621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1158	
5°	798	51
15°	77	25
25°	46	21
35°	41	26
45°	41	32
55°	43	39
65°	45	45
75°	49	51
85°	50	41
90°	51	28
95°	52	42
105°	52	55
115°	50	50
125°	47	42
135°	42	32
145°	35	22
155°	28	13
165°	19	6
175°	6	1
180°	1	

TEST NUMBER: P1245425

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	1158.4
2.5°	1248.1
5°	797.8
7.5°	278.3
10°	192.7
12.5°	110.3
15°	77.4
17.5°	62.6
20°	53.5
22.5°	48.6
25°	46.1
27.5°	43.6
30°	42.0
32.5°	41.2
35°	41.2
37.5°	40.3
40°	40.3
42.5°	40.3
45°	41.2
47.5°	41.2
50°	42.0
52.5°	42.0
55°	42.8
57.5°	43.6
60°	44.5
62.5°	44.5
65°	45.3
67.5°	46.1
70°	46.9
72.5°	47.8
75°	48.6
77.5°	48.6
80°	49.4
82.5°	50.2
85°	50.2
87.5°	50.2
90°	51.0
92.5°	51.0
95°	51.9
97.5°	51.9
100°	51.9
102.5°	51.9
105°	51.9
107.5°	51.9
110°	51.0

TEST NUMBER: P1245425

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.0
115°	50.2
117.5°	49.4
120°	48.6
122.5°	47.8
125°	46.9
127.5°	45.3
130°	44.5
132.5°	42.8
135°	42.0
137.5°	40.3
140°	38.7
142.5°	37.0
145°	35.4
147.5°	33.8
150°	32.1
152.5°	29.6
155°	28.0
157.5°	25.5
160°	23.9
162.5°	21.4
165°	18.9
167.5°	16.5
170°	14.0
172.5°	9.9
175°	5.8
177.5°	2.5
180°	0.8

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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	5.1	6.1	6.0	7.0	8.2	5.1	6.1	6.0	7.0	8.2
	3H	8.1	9.0	9.0	9.9	11.1	8.1	9.0	9.0	9.9	11.1
	4H	9.6	10.4	10.5	11.4	12.6	9.6	10.4	10.5	11.4	12.6
	6H	11.0	11.9	12.0	12.8	14.0	11.0	11.9	12.0	12.8	14.0
	8H	11.8	12.5	12.7	13.5	14.7	11.8	12.5	12.7	13.5	14.7
	12H	12.4	13.2	13.4	14.2	15.4	12.4	13.2	13.4	14.2	15.4
4H	2H	5.8	6.7	6.7	7.6	8.9	5.8	6.7	6.7	7.6	8.9
	3H	9.0	9.8	10.0	10.8	12.0	9.0	9.8	10.0	10.8	12.0
	4H	10.7	11.4	11.6	12.3	13.6	10.7	11.4	11.6	12.3	13.6
	6H	12.3	12.9	13.3	13.9	15.2	12.3	12.9	13.3	13.9	15.2
	8H	13.1	13.7	14.1	14.7	16.0	13.1	13.7	14.1	14.7	16.0
	12H	13.9	14.5	14.9	15.5	16.7	13.9	14.5	14.9	15.5	16.7
8H	4H	11.2	11.8	12.1	12.8	14.0	11.2	11.8	12.1	12.8	14.0
	6H	13.0	13.6	14.0	14.6	15.8	13.0	13.6	14.0	14.6	15.8
	8H	14.0	14.5	15.0	15.5	16.7	14.0	14.5	15.0	15.5	16.7
	12H	15.0	15.4	16.0	16.4	17.7	15.0	15.4	16.0	16.4	17.7
12H	4H	11.3	11.9	12.3	12.9	14.1	11.3	11.9	12.3	12.9	14.1
	6H	13.2	13.7	14.2	14.7	16.0	13.2	13.7	14.2	14.7	16.0
	8H	14.3	14.7	15.3	15.7	17.0	14.3	14.7	15.3	15.7	17.0

(END OF REPORT)