

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: P1245383

Luminaire Tested: PRLX-UNA-M-927-01L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245383
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-927-01L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

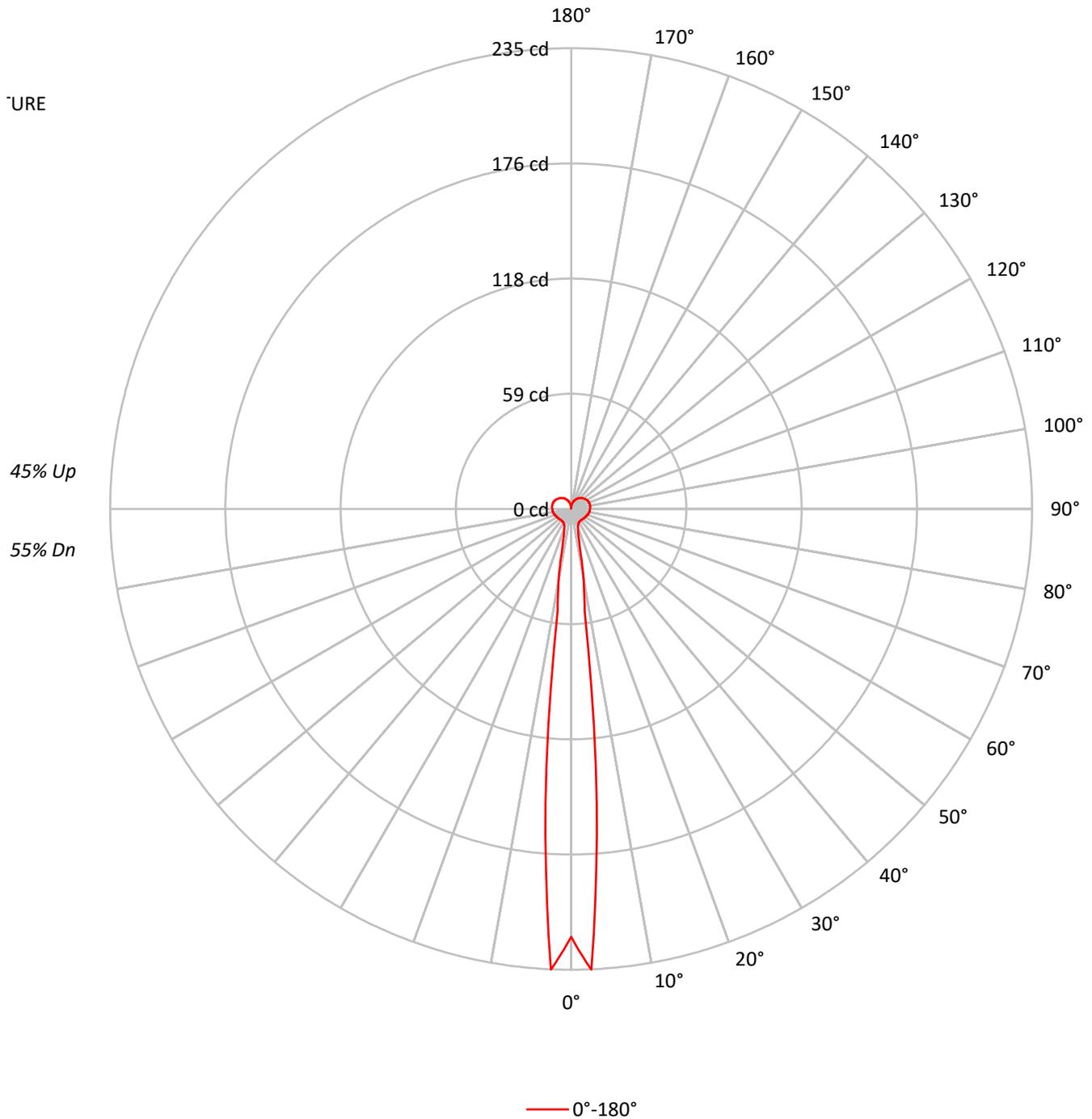
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 117.1 lumens
Efficiency: N/A
Efficacy: 18.6 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): 6.3
Input Voltage (V): NR
Input Current (A_{in}): 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: P1245383
CATALOG NUMBER: PRLX-UNA-M-927-01L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245383

CATALOG NUMBER: PRLX-UNA-M-927-01L-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	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	30	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°	11182
5°	5661
10°	1087
15°	365
20°	218
25°	167
30°	137
35°	124
40°	113
45°	109
50°	105
55°	104
60°	104
65°	103
70°	106
75°	110
80°	111
85°	114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 118 cd/sqm

TEST NUMBER: P1245383

CATALOG NUMBER: PRLX-UNA-M-927-01L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	8.3
10°-20°	4.7	4.0
20°-30°	4.0	3.4
30°-40°	4.9	4.1
40°-50°	6.0	5.1
50°-60°	7.3	6.2
60°-70°	8.5	7.2
70°-80°	9.6	8.2
80°-90°	10.4	8.8
90°-100°	10.6	9.1
100°-110°	10.3	8.8
110°-120°	9.4	8.0
120°-130°	7.9	6.7
130°-140°	6.1	5.2
140°-150°	4.2	3.6
150°-160°	2.4	2.1
160°-170°	1.0	0.9
170°-180°	0.2	0.1
0°-30°	18.4	15.7
0°-40°	23.2	19.8
0°-60°	36.5	31.1
0°-90°	65.0	55.5
90°-120°	30.3	25.9
90°-150°	48.5	41.4
90°-180°	52.0	44.4
0°-180°	117.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	218	
5°	150	10
15°	15	5
25°	9	4
35°	8	5
45°	8	6
55°	8	7
65°	8	8
75°	9	10
85°	10	8
90°	10	5
95°	10	8
105°	10	10
115°	10	9
125°	9	8
135°	8	6
145°	7	4
155°	5	2
165°	4	1
175°	1	0
180°	0	

TEST NUMBER: P1245383

CATALOG NUMBER: PRLX-UNA-M-927-01L-U-NL

CANDELA DISTRIBUTION (FULL):

	0°
0°	218.2
2.5°	235.2
5°	150.3
7.5°	52.4
10°	36.3
12.5°	20.8
15°	14.6
17.5°	11.8
20°	10.1
22.5°	9.2
25°	8.7
27.5°	8.2
30°	7.9
32.5°	7.8
35°	7.8
37.5°	7.6
40°	7.6
42.5°	7.6
45°	7.8
47.5°	7.8
50°	7.9
52.5°	7.9
55°	8.1
57.5°	8.2
60°	8.4
62.5°	8.4
65°	8.5
67.5°	8.7
70°	8.8
72.5°	9.0
75°	9.2
77.5°	9.2
80°	9.3
82.5°	9.5
85°	9.5
87.5°	9.5
90°	9.6
92.5°	9.6
95°	9.8
97.5°	9.8
100°	9.8
102.5°	9.8
105°	9.8
107.5°	9.8
110°	9.6

TEST NUMBER: P1245383

CATALOG NUMBER: PRLX-UNA-M-927-01L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.6
115°	9.5
117.5°	9.3
120°	9.2
122.5°	9.0
125°	8.8
127.5°	8.5
130°	8.4
132.5°	8.1
135°	7.9
137.5°	7.6
140°	7.3
142.5°	7.0
145°	6.7
147.5°	6.4
150°	6.0
152.5°	5.6
155°	5.3
157.5°	4.8
160°	4.5
162.5°	4.0
165°	3.6
167.5°	3.1
170°	2.6
172.5°	1.9
175°	1.1
177.5°	0.5
180°	0.2



TEST NUMBER: P1245383

CATALOG NUMBER: PRLX-UNA-M-927-01L-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	0.0	0.3	0.2	1.2	2.4	0.0	0.3	0.2	1.2	2.4
	3H	2.3	3.2	3.2	4.1	5.3	2.3	3.2	3.2	4.1	5.3
	4H	3.8	4.6	4.7	5.6	6.8	3.8	4.6	4.7	5.6	6.8
	6H	5.2	6.1	6.2	7.0	8.2	5.2	6.1	6.2	7.0	8.2
	8H	6.0	6.7	6.9	7.7	8.9	6.0	6.7	6.9	7.7	8.9
	12H	6.7	7.4	7.6	8.4	9.6	6.7	7.4	7.6	8.4	9.6
4H	2H	0.0	0.9	0.9	1.8	3.0	0.0	0.9	0.9	1.8	3.0
	3H	3.2	4.0	4.1	4.9	6.2	3.2	4.0	4.1	4.9	6.2
	4H	4.9	5.6	5.8	6.5	7.8	4.9	5.6	5.8	6.5	7.8
	6H	6.5	7.1	7.5	8.1	9.4	6.5	7.1	7.5	8.1	9.4
	8H	7.3	7.9	8.3	8.9	10.2	7.3	7.9	8.3	8.9	10.2
	12H	8.1	8.7	9.1	9.7	10.9	8.1	8.7	9.1	9.7	10.9
8H	4H	5.4	6.0	6.4	7.0	8.2	5.4	6.0	6.4	7.0	8.2
	6H	7.2	7.8	8.2	8.8	10.0	7.2	7.8	8.2	8.8	10.0
	8H	8.2	8.7	9.2	9.7	11.0	8.2	8.7	9.2	9.7	11.0
	12H	9.2	9.6	10.2	10.6	11.9	9.2	9.6	10.2	10.6	11.9
12H	4H	5.5	6.1	6.5	7.1	8.3	5.5	6.1	6.5	7.1	8.3
	6H	7.4	7.9	8.4	8.9	10.2	7.4	7.9	8.4	8.9	10.2
	8H	8.5	8.9	9.5	9.9	11.2	8.5	8.9	9.5	9.9	11.2

(END OF REPORT)