

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: P1245142

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245142
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-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

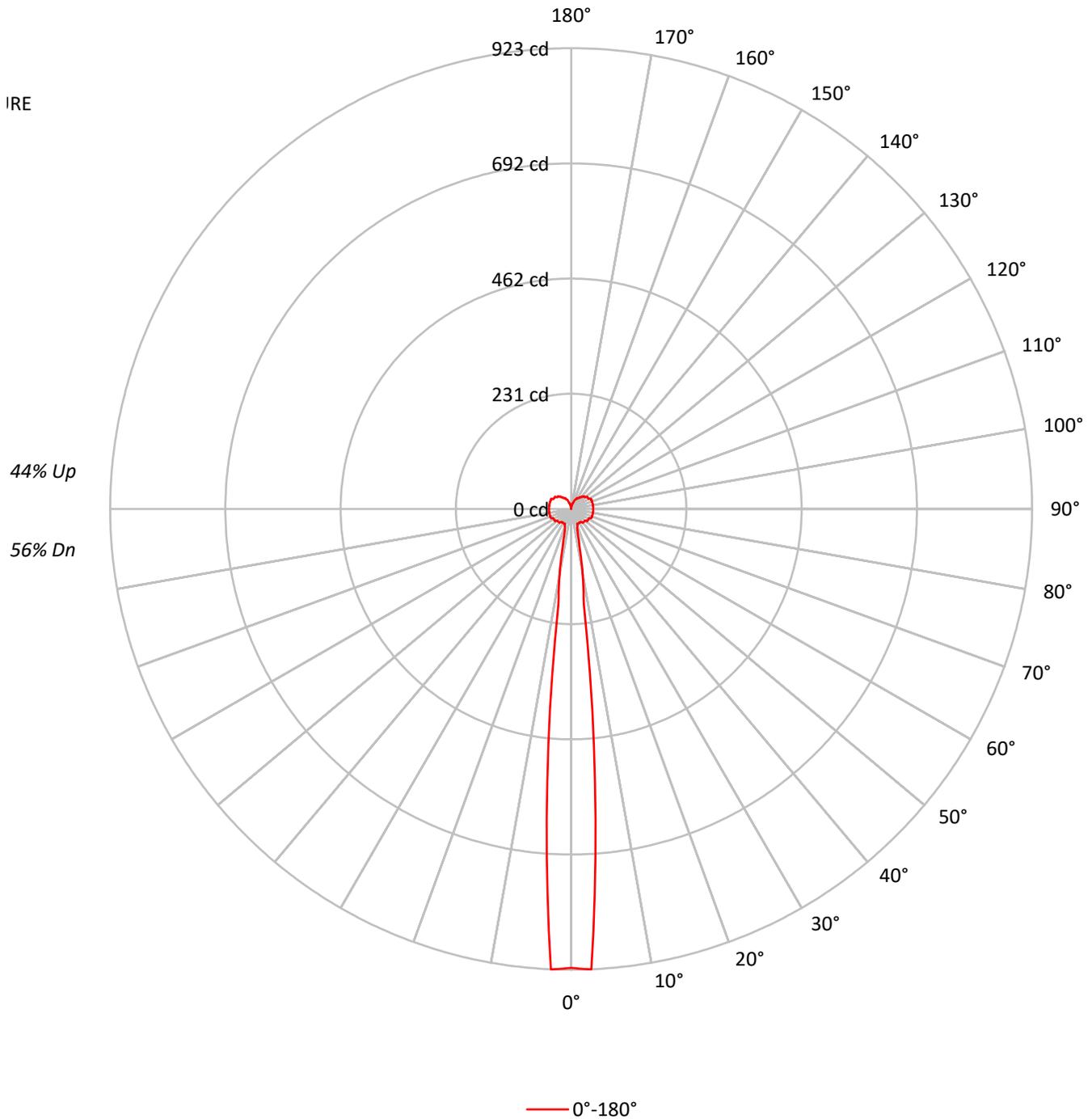
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 522.8 lumens
Efficiency: N/A
Efficacy: 24.5 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 (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: P1245142
CATALOG NUMBER: PRLX-NIM-M-927-06L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245142

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

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°	47106
5°	20650
10°	3983
15°	1311
20°	785
25°	619
30°	560
35°	514
40°	539
45°	508
50°	484
55°	516
60°	501
65°	539
70°	531
75°	528
80°	529
85°	534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 543 cd/sqm

TEST NUMBER: P1245142

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	7.0
10°-20°	16.7	3.2
20°-30°	15.1	2.9
30°-40°	20.6	3.9
40°-50°	28.1	5.4
50°-60°	35.7	6.8
60°-70°	42.5	8.1
70°-80°	46.9	9.0
80°-90°	48.3	9.2
90°-100°	48.3	9.2
100°-110°	46.9	9.0
110°-120°	43.5	8.3
120°-130°	35.7	6.8
130°-140°	27.0	5.2
140°-150°	17.2	3.3
150°-160°	9.9	1.9
160°-170°	3.3	0.6
170°-180°	0.3	0.1
0°-30°	68.5	13.1
0°-40°	89.1	17.0
0°-60°	152.9	29.3
0°-90°	290.7	55.6
90°-120°	138.7	26.5
90°-150°	218.6	41.8
90°-180°	232.0	44.4
0°-180°	522.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	919	
5°	548	37
15°	52	17
25°	32	15
35°	32	21
45°	36	28
55°	40	36
65°	44	43
75°	44	47
85°	44	36
90°	44	24
95°	44	36
105°	44	47
115°	44	43
125°	40	36
135°	36	27
145°	28	17
155°	20	10
165°	12	3
175°	0	0
180°	0	

TEST NUMBER: P1245142

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	919.2
2.5°	923.3
5°	548.3
7.5°	193.5
10°	133.0
12.5°	76.6
15°	52.4
17.5°	40.3
20°	36.3
22.5°	32.3
25°	32.3
27.5°	32.3
30°	32.3
32.5°	32.3
35°	32.3
37.5°	32.3
40°	36.3
42.5°	36.3
45°	36.3
47.5°	36.3
50°	36.3
52.5°	40.3
55°	40.3
57.5°	40.3
60°	40.3
62.5°	40.3
65°	44.3
67.5°	44.3
70°	44.3
72.5°	44.3
75°	44.3
77.5°	44.3
80°	44.3
82.5°	44.3
85°	44.3
87.5°	44.3
90°	44.3
92.5°	44.3
95°	44.3
97.5°	44.3
100°	44.3
102.5°	44.3
105°	44.3
107.5°	44.3
110°	44.3

TEST NUMBER: P1245142

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	44.3
115°	44.3
117.5°	44.3
120°	40.3
122.5°	40.3
125°	40.3
127.5°	40.3
130°	36.3
132.5°	36.3
135°	36.3
137.5°	32.3
140°	32.3
142.5°	28.2
145°	28.2
147.5°	24.2
150°	24.2
152.5°	24.2
155°	20.2
157.5°	20.2
160°	16.1
162.5°	12.1
165°	12.1
167.5°	8.1
170°	8.1
172.5°	4.0
175°	0.0
177.5°	0.0
180°	0.0



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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	8.2	9.2	9.1	10.1	11.3	8.2	9.2	9.1	10.1	11.3
	4H	9.7	10.6	10.6	11.5	12.7	9.7	10.6	10.6	11.5	12.7
	6H	11.1	11.9	12.0	12.8	14.1	11.1	11.9	12.0	12.8	14.1
	8H	11.7	12.5	12.6	13.5	14.7	11.7	12.5	12.6	13.5	14.7
	12H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
4H	2H	5.9	6.8	6.9	7.8	9.0	5.9	6.8	6.9	7.8	9.0
	3H	9.2	10.0	10.1	10.9	12.2	9.2	10.0	10.1	10.9	12.2
	4H	10.8	11.5	11.7	12.5	13.7	10.8	11.5	11.7	12.5	13.7
	6H	12.3	13.0	13.3	14.0	15.2	12.3	13.0	13.3	14.0	15.2
	8H	13.1	13.7	14.0	14.7	15.9	13.1	13.7	14.0	14.7	15.9
	12H	13.8	14.4	14.8	15.4	16.6	13.8	14.4	14.8	15.4	16.6
8H	4H	11.3	11.9	12.2	12.9	14.1	11.3	11.9	12.2	12.9	14.1
	6H	13.0	13.6	14.0	14.6	15.8	13.0	13.6	14.0	14.6	15.8
	8H	13.9	14.4	14.9	15.4	16.7	13.9	14.4	14.9	15.4	16.7
	12H	14.9	15.3	15.8	16.3	17.6	14.9	15.3	15.8	16.3	17.6
12H	4H	11.4	11.9	12.3	12.9	14.2	11.4	11.9	12.3	12.9	14.2
	6H	13.2	13.7	14.2	14.7	16.0	13.2	13.7	14.2	14.7	16.0
	8H	14.2	14.6	15.2	15.6	16.9	14.2	14.6	15.2	15.6	16.9

(END OF REPORT)