

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: P1245190

Luminaire Tested: PRLX-NIM-M-940-01L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245190
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-940-01L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

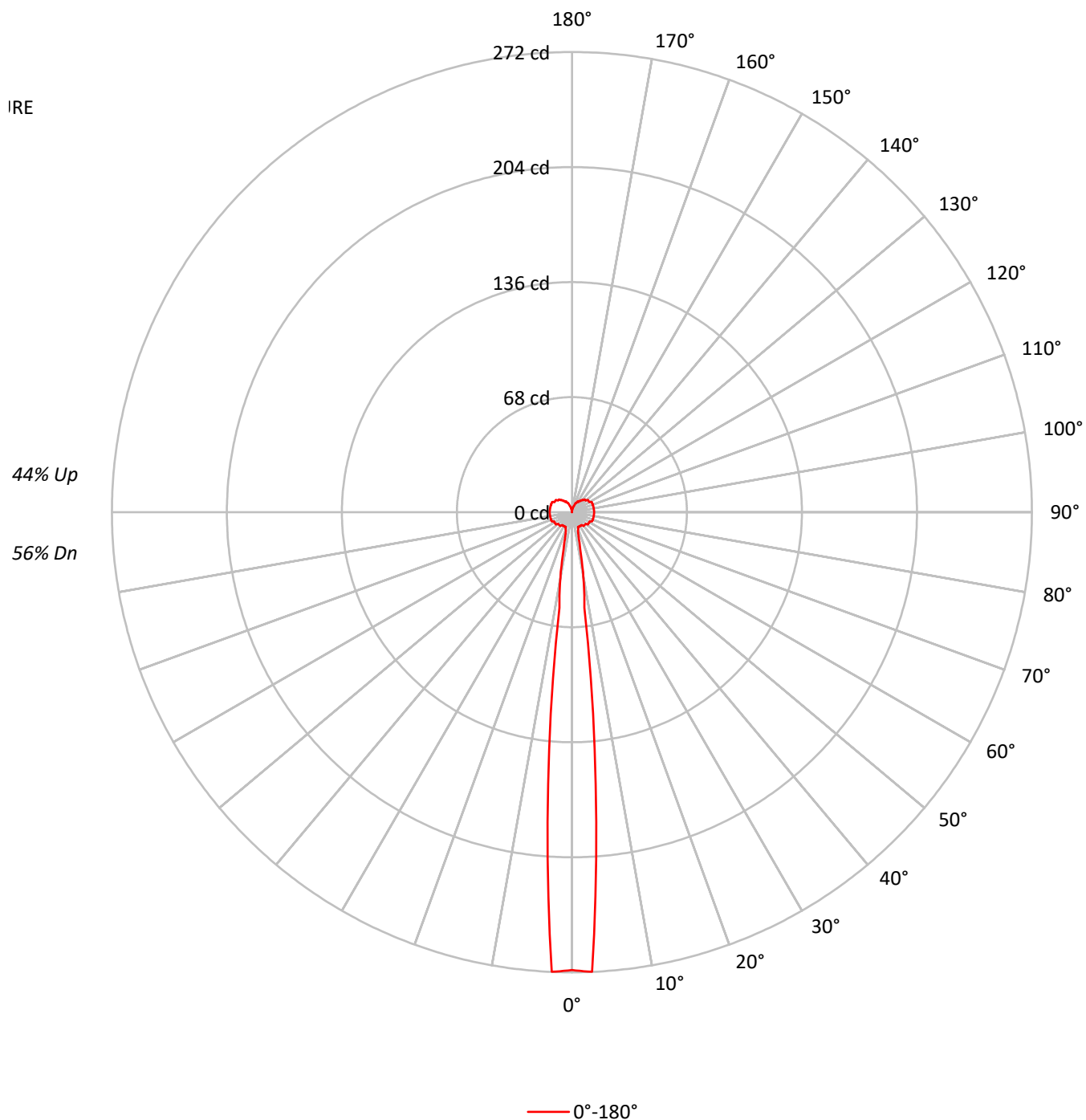
Lumens per Lamp: N/A
Luminaire Lumens: 154.3 lumens
Efficiency: N/A
Efficacy: 24.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
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: P1245190

CATALOG NUMBER: PRLX-NIM-M-940-01L-U-WO

Luminous Intensity Polar Plot



TEST NUMBER: P1245190

CATALOG NUMBER: PRLX-NIM-M-940-01L-U-WO

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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		59	54	50		50	45	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	31	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	16	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	46	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	14	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13873
5°	6082
10°	1174
15°	385
20°	231
25°	182
30°	165
35°	151
40°	159
45°	150
50°	143
55°	152
60°	148
65°	159
70°	157
75°	156
80°	156
85°	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 161 cd/sqm

TEST NUMBER: P1245190

CATALOG NUMBER: PRLX-NIM-M-940-01L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	7.0
10°-20°	4.9	3.2
20°-30°	4.5	2.9
30°-40°	6.1	3.9
40°-50°	8.3	5.4
50°-60°	10.5	6.8
60°-70°	12.6	8.1
70°-80°	13.9	9.0
80°-90°	14.3	9.3
90°-100°	14.3	9.3
100°-110°	13.9	9.0
110°-120°	12.9	8.3
120°-130°	10.5	6.8
130°-140°	8.0	5.2
140°-150°	5.1	3.3
150°-160°	2.9	1.9
160°-170°	1.0	0.6
170°-180°	0.1	0.1
0°-30°	20.2	13.1
0°-40°	26.2	17.0
0°-60°	45.1	29.2
0°-90°	85.8	55.6
90°-120°	41.0	26.6
90°-150°	64.6	41.8
90°-180°	69.0	44.7
0°-180°	154.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	271	
5°	162	11
15°	15	5
25°	10	4
35°	10	6
45°	11	8
55°	12	11
65°	13	13
75°	13	14
85°	13	11
90°	13	7
95°	13	11
105°	13	14
115°	13	13
125°	12	11
135°	11	8
145°	8	5
155°	6	3
165°	4	1
175°	0	0
180°	0	

TEST NUMBER: P1245190

CATALOG NUMBER: PRLX-NIM-M-940-01L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	270.7
2.5°	271.9
5°	161.5
7.5°	57.0
10°	39.2
12.5°	22.6
15°	15.4
17.5°	11.9
20°	10.7
22.5°	9.5
25°	9.5
27.5°	9.5
30°	9.5
32.5°	9.5
35°	9.5
37.5°	9.5
40°	10.7
42.5°	10.7
45°	10.7
47.5°	10.7
50°	10.7
52.5°	11.9
55°	11.9
57.5°	11.9
60°	11.9
62.5°	11.9
65°	13.1
67.5°	13.1
70°	13.1
72.5°	13.1
75°	13.1
77.5°	13.1
80°	13.1
82.5°	13.1
85°	13.1
87.5°	13.1
90°	13.1
92.5°	13.1
95°	13.1
97.5°	13.1
100°	13.1
102.5°	13.1
105°	13.1
107.5°	13.1
110°	13.1

TEST NUMBER: P1245190

CATALOG NUMBER: PRLX-NIM-M-940-01L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.1
115°	13.1
117.5°	13.1
120°	11.9
122.5°	11.9
125°	11.9
127.5°	11.9
130°	10.7
132.5°	10.7
135°	10.7
137.5°	9.5
140°	9.5
142.5°	8.3
145°	8.3
147.5°	7.1
150°	7.1
152.5°	7.1
155°	5.9
157.5°	5.9
160°	4.7
162.5°	3.6
165°	3.6
167.5°	2.4
170°	2.4
172.5°	1.2
175°	0.0
177.5°	0.0
180°	0.0

TEST NUMBER: P1245190

CATALOG NUMBER: PRLX-NIM-M-940-01L-U-WO

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	0.8	1.9	1.7	2.8	4.0	0.8	1.9	1.7	2.8	4.0
	3H	4.0	4.9	4.9	5.9	7.1	4.0	4.9	4.9	5.9	7.1
	4H	5.4	6.3	6.3	7.3	8.5	5.4	6.3	6.3	7.3	8.5
	6H	6.8	7.7	7.7	8.6	9.8	6.8	7.7	7.7	8.6	9.8
	8H	7.5	8.3	8.4	9.3	10.5	7.5	8.3	8.4	9.3	10.5
	12H	8.1	8.9	9.1	9.9	11.1	8.1	8.9	9.1	9.9	11.1
4H	2H	1.7	2.6	2.6	3.5	4.8	1.7	2.6	2.6	3.5	4.8
	3H	5.0	5.8	5.9	6.7	7.9	5.0	5.8	5.9	6.7	7.9
	4H	6.5	7.3	7.5	8.2	9.5	6.5	7.3	7.5	8.2	9.5
	6H	8.1	8.7	9.0	9.7	11.0	8.1	8.7	9.0	9.7	11.0
	8H	8.8	9.5	9.8	10.4	11.7	8.8	9.5	9.8	10.4	11.7
	12H	9.6	10.2	10.6	11.2	12.4	9.6	10.2	10.6	11.2	12.4
8H	4H	7.0	7.7	8.0	8.6	9.9	7.0	7.7	8.0	8.6	9.9
	6H	8.8	9.3	9.8	10.3	11.6	8.8	9.3	9.8	10.3	11.6
	8H	9.7	10.2	10.7	11.2	12.5	9.7	10.2	10.7	11.2	12.5
	12H	10.6	11.1	11.6	12.1	13.4	10.6	11.1	11.6	12.1	13.4
12H	4H	7.1	7.7	8.1	8.7	10.0	7.1	7.7	8.1	8.7	10.0
	6H	9.0	9.5	10.0	10.5	11.8	9.0	9.5	10.0	10.5	11.8
	8H	10.0	10.4	10.9	11.4	12.7	10.0	10.4	10.9	11.4	12.7

(END OF REPORT)