

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: P1245198

Luminaire Tested: PRLX-NIM-M-940-04L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245198
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-940-04L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

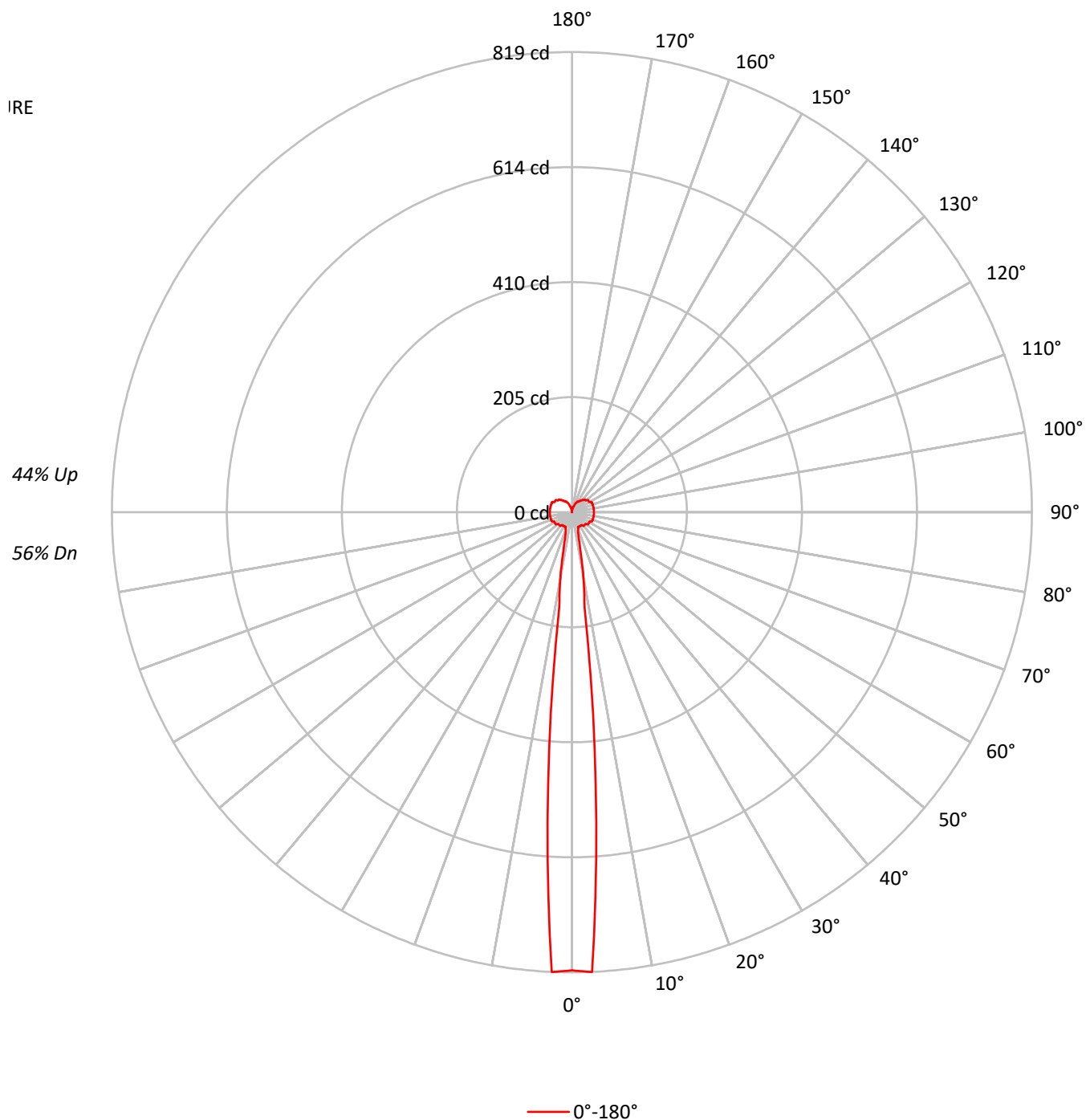
Lumens per Lamp: N/A
Luminaire Lumens: 463.8 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 16.2
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: P1245198

CATALOG NUMBER: PRLX-NIM-M-940-04L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245198

CATALOG NUMBER: PRLX-NIM-M-940-04L-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	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°	41792
5°	18323
10°	3534
15°	1163
20°	696
25°	548
30°	496
35°	455
40°	478
45°	450
50°	429
55°	459
60°	445
65°	478
70°	471
75°	469
80°	469
85°	474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 482 cd/sqm

TEST NUMBER: P1245198

CATALOG NUMBER: PRLX-NIM-M-940-04L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	7.0
10°-20°	14.9	3.2
20°-30°	13.4	2.9
30°-40°	18.3	3.9
40°-50°	24.9	5.4
50°-60°	31.7	6.8
60°-70°	37.7	8.1
70°-80°	41.6	9.0
80°-90°	42.9	9.2
90°-100°	42.9	9.2
100°-110°	41.6	9.0
110°-120°	38.6	8.3
120°-130°	31.7	6.8
130°-140°	23.9	5.2
140°-150°	15.2	3.3
150°-160°	8.8	1.9
160°-170°	2.9	0.6
170°-180°	0.3	0.1
0°-30°	60.7	13.1
0°-40°	79.0	17.0
0°-60°	135.7	29.3
0°-90°	257.9	55.6
90°-120°	123.0	26.5
90°-150°	194.0	41.8
90°-180°	206.0	44.4
0°-180°	463.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	816	
5°	486	32
15°	46	15
25°	29	13
35°	29	18
45°	32	25
55°	36	32
65°	39	38
75°	39	42
85°	39	32
90°	39	22
95°	39	32
105°	39	42
115°	39	39
125°	36	32
135°	32	24
145°	25	15
155°	18	9
165°	11	3
175°	0	0
180°	0	

TEST NUMBER: P1245198

CATALOG NUMBER: PRLX-NIM-M-940-04L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	815.5
2.5°	819.1
5°	486.5
7.5°	171.7
10°	118.0
12.5°	68.0
15°	46.5
17.5°	35.8
20°	32.2
22.5°	28.6
25°	28.6
27.5°	28.6
30°	28.6
32.5°	28.6
35°	28.6
37.5°	28.6
40°	32.2
42.5°	32.2
45°	32.2
47.5°	32.2
50°	32.2
52.5°	35.8
55°	35.8
57.5°	35.8
60°	35.8
62.5°	35.8
65°	39.3
67.5°	39.3
70°	39.3
72.5°	39.3
75°	39.3
77.5°	39.3
80°	39.3
82.5°	39.3
85°	39.3
87.5°	39.3
90°	39.3
92.5°	39.3
95°	39.3
97.5°	39.3
100°	39.3
102.5°	39.3
105°	39.3
107.5°	39.3
110°	39.3

TEST NUMBER: P1245198

CATALOG NUMBER: PRLX-NIM-M-940-04L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.3
115°	39.3
117.5°	39.3
120°	35.8
122.5°	35.8
125°	35.8
127.5°	35.8
130°	32.2
132.5°	32.2
135°	32.2
137.5°	28.6
140°	28.6
142.5°	25.0
145°	25.0
147.5°	21.5
150°	21.5
152.5°	21.5
155°	17.9
157.5°	17.9
160°	14.3
162.5°	10.7
165°	10.7
167.5°	7.2
170°	7.2
172.5°	3.6
175°	0.0
177.5°	0.0
180°	0.0

TEST NUMBER: P1245198

CATALOG NUMBER: PRLX-NIM-M-940-04L-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	4.7	5.7	5.6	6.6	7.8	4.7	5.7	5.6	6.6	7.8
	3H	7.8	8.8	8.7	9.7	10.9	7.8	8.8	8.7	9.7	10.9
	4H	9.2	10.1	10.1	11.1	12.3	9.2	10.1	10.1	11.1	12.3
	6H	10.6	11.5	11.6	12.4	13.7	10.6	11.5	11.6	12.4	13.7
	8H	11.3	12.1	12.2	13.1	14.3	11.3	12.1	12.2	13.1	14.3
	12H	11.9	12.7	12.9	13.7	14.9	11.9	12.7	12.9	13.7	14.9
4H	2H	5.5	6.4	6.4	7.4	8.6	5.5	6.4	6.4	7.4	8.6
	3H	8.8	9.6	9.7	10.5	11.8	8.8	9.6	9.7	10.5	11.8
	4H	10.3	11.1	11.3	12.0	13.3	10.3	11.1	11.3	12.0	13.3
	6H	11.9	12.6	12.8	13.5	14.8	11.9	12.6	12.8	13.5	14.8
	8H	12.7	13.3	13.6	14.3	15.5	12.7	13.3	13.6	14.3	15.5
	12H	13.4	14.0	14.4	15.0	16.2	13.4	14.0	14.4	15.0	16.2
8H	4H	10.9	11.5	11.8	12.4	13.7	10.9	11.5	11.8	12.4	13.7
	6H	12.6	13.1	13.6	14.2	15.4	12.6	13.1	13.6	14.2	15.4
	8H	13.5	14.0	14.5	15.0	16.3	13.5	14.0	14.5	15.0	16.3
	12H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
12H	4H	11.0	11.5	11.9	12.5	13.8	11.0	11.5	11.9	12.5	13.8
	6H	12.8	13.3	13.8	14.3	15.6	12.8	13.3	13.8	14.3	15.6
	8H	13.8	14.2	14.8	15.2	16.5	13.8	14.2	14.8	15.2	16.5

(END OF REPORT)