

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: P1245281

Luminaire Tested: PRLX-NIM-S-940-09L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-940-09L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURED
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

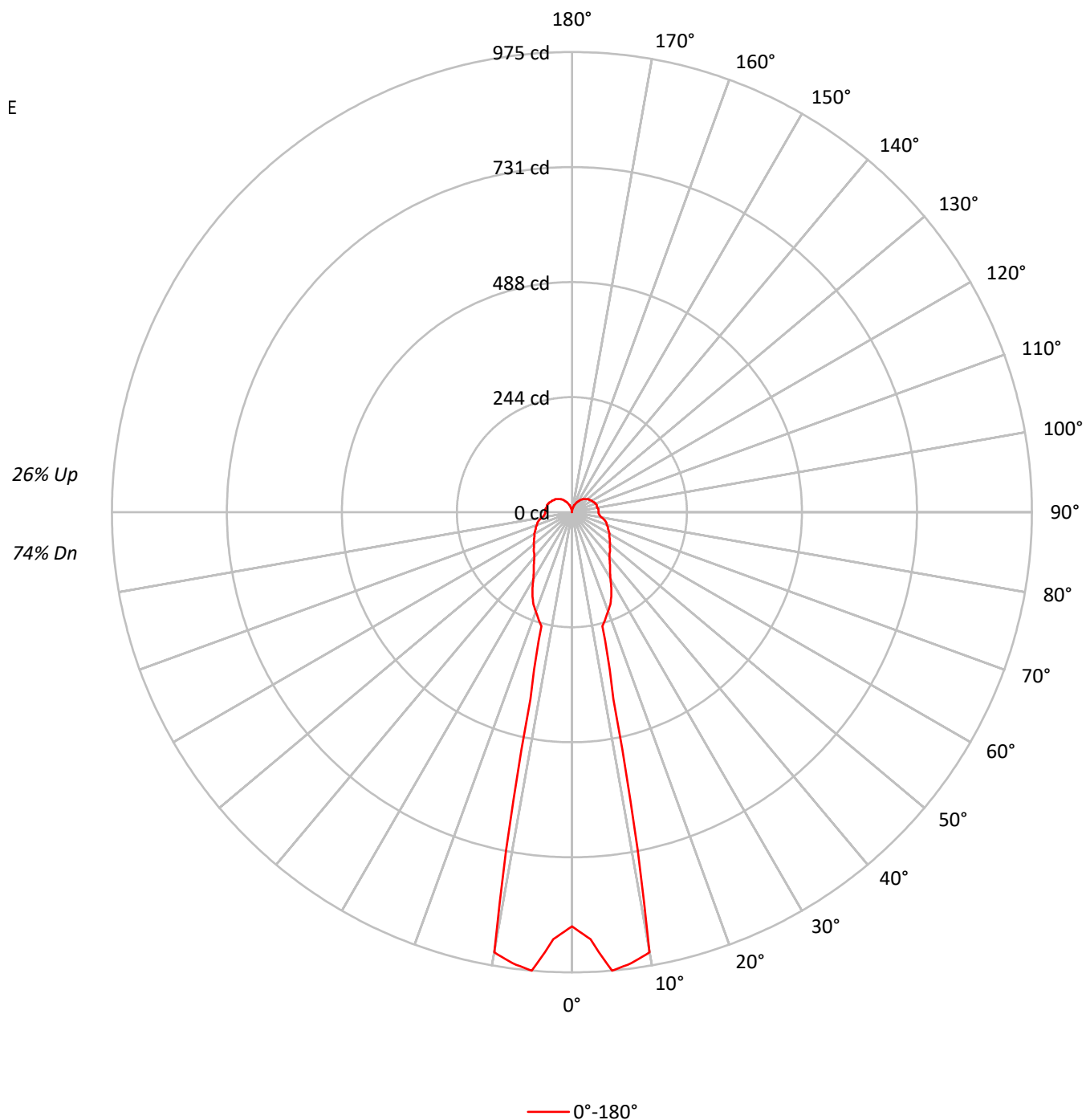
Lumens per Lamp: N/A
Luminaire Lumens: 1042.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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: P1245281

CATALOG NUMBER: PRLX-NIM-S-940-09L-U-NR

Luminous Intensity Polar Plot





TEST NUMBER: P1245281

CATALOG NUMBER: PRLX-NIM-S-940-09L-U-NR

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	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	74		
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58		
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49		
3	85	74	66	60	80	71	64	58	64	58	53	58	53	49	52	48	45	42		
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40	37		
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33		
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30		
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28		
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28	26		
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24		
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27761
5°	27396
10°	24088
15°	5848
20°	4880
25°	4062
30°	3210
35°	2662
40°	2275
45°	2058
50°	1864
55°	1722
60°	1627
65°	1509
70°	1432
75°	1365
80°	1231
85°	1171

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2058 cd/sqm

TEST NUMBER: P1245281

CATALOG NUMBER: PRLX-NIM-S-940-09L-U-NR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	8.7
10°-20°	96.5	9.3
20°-30°	89.8	8.6
30°-40°	88.5	8.5
40°-50°	88.2	8.5
50°-60°	87.7	8.4
60°-70°	84.6	8.1
70°-80°	77.0	7.4
80°-90°	64.0	6.1
90°-100°	61.3	5.9
100°-110°	57.4	5.5
110°-120°	50.4	4.8
120°-130°	41.1	3.9
130°-140°	30.6	2.9
140°-150°	19.7	1.9
150°-160°	10.2	1.0
160°-170°	3.5	0.3
170°-180°	0.3	0.0
0°-30°	277.3	26.6
0°-40°	365.8	35.1
0°-60°	541.7	52.0
0°-90°	767.3	73.6
90°-120°	169.1	16.2
90°-150°	260.6	25.0
90°-180°	275.0	26.4
0°-180°	1042.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	878	
5°	975	91
15°	250	96
25°	197	90
35°	141	88
45°	115	88
55°	98	88
65°	85	85
75°	73	77
85°	58	49
90°	56	31
95°	56	46
105°	54	57
115°	51	50
125°	45	41
135°	40	31
145°	32	20
155°	22	10
165°	11	4
175°	2	0
180°	0	

TEST NUMBER: P1245281

CATALOG NUMBER: PRLX-NIM-S-940-09L-U-NR

CANDELA DISTRIBUTION (FULL):

0°	
0°	877.5
2.5°	905.7
5°	975.2
7.5°	963.9
10°	947.0
12.5°	405.9
15°	249.9
17.5°	236.8
20°	223.6
22.5°	212.3
25°	197.3
27.5°	180.4
30°	163.5
32.5°	150.3
35°	140.9
37.5°	131.5
40°	124.0
42.5°	118.4
45°	114.6
47.5°	109.0
50°	105.2
52.5°	101.5
55°	97.7
57.5°	93.9
60°	92.1
62.5°	88.3
65°	84.6
67.5°	82.7
70°	78.9
72.5°	77.0
75°	73.3
77.5°	69.5
80°	63.9
82.5°	60.1
85°	58.2
87.5°	56.4
90°	56.4
92.5°	56.4
95°	56.4
97.5°	56.4
100°	54.5
102.5°	54.5
105°	54.5
107.5°	54.5
110°	52.6

TEST NUMBER: P1245281

CATALOG NUMBER: PRLX-NIM-S-940-09L-U-NR

CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.6
115°	50.7
117.5°	48.9
120°	48.9
122.5°	47.0
125°	45.1
127.5°	45.1
130°	43.2
132.5°	41.3
135°	39.5
137.5°	37.6
140°	35.7
142.5°	33.8
145°	31.9
147.5°	28.2
150°	26.3
152.5°	24.4
155°	22.5
157.5°	18.8
160°	16.9
162.5°	15.0
165°	11.3
167.5°	9.4
170°	7.5
172.5°	3.8
175°	1.9
177.5°	0.0
180°	0.0

TEST NUMBER: P1245281

CATALOG NUMBER: PRLX-NIM-S-940-09L-U-NR

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	10.4	11.6	11.2	12.3	13.2	10.4	11.6	11.2	12.3	13.2
	3H	12.7	13.8	13.5	14.5	15.5	12.7	13.8	13.5	14.5	15.5
	4H	13.8	14.8	14.6	15.6	16.5	13.8	14.8	14.6	15.6	16.5
	6H	14.8	15.7	15.5	16.5	17.4	14.8	15.7	15.5	16.5	17.4
	8H	15.2	16.1	16.0	16.9	17.8	15.2	16.1	16.0	16.9	17.8
	12H	15.6	16.5	16.4	17.3	18.2	15.6	16.5	16.4	17.3	18.2
4H	2H	11.0	12.0	11.8	12.8	13.7	11.0	12.0	11.8	12.8	13.7
	3H	13.6	14.4	14.3	15.2	16.1	13.6	14.4	14.3	15.2	16.1
	4H	14.8	15.6	15.6	16.4	17.3	14.8	15.6	15.6	16.4	17.3
	6H	15.9	16.6	16.7	17.4	18.4	15.9	16.6	16.7	17.4	18.4
	8H	16.4	17.1	17.2	17.9	18.9	16.4	17.1	17.2	17.9	18.9
	12H	16.9	17.5	17.7	18.4	19.4	16.9	17.5	17.7	18.4	19.4
8H	4H	15.2	15.8	16.0	16.6	17.6	15.2	15.8	16.0	16.6	17.6
	6H	16.5	17.0	17.3	17.9	18.9	16.5	17.0	17.3	17.9	18.9
	8H	17.1	17.6	17.9	18.5	19.5	17.1	17.6	17.9	18.5	19.5
	12H	17.8	18.2	18.6	19.1	20.1	17.8	18.2	18.6	19.1	20.1
12H	4H	15.2	15.8	16.0	16.7	17.7	15.2	15.8	16.0	16.7	17.7
	6H	16.6	17.1	17.4	17.9	19.0	16.6	17.1	17.4	17.9	19.0
	8H	17.3	17.7	18.1	18.6	19.6	17.3	17.7	18.1	18.6	19.6

(END OF REPORT)