

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: P1245239

Luminaire Tested: PRLX-NIM-S-930-09L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245239
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-930-09L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

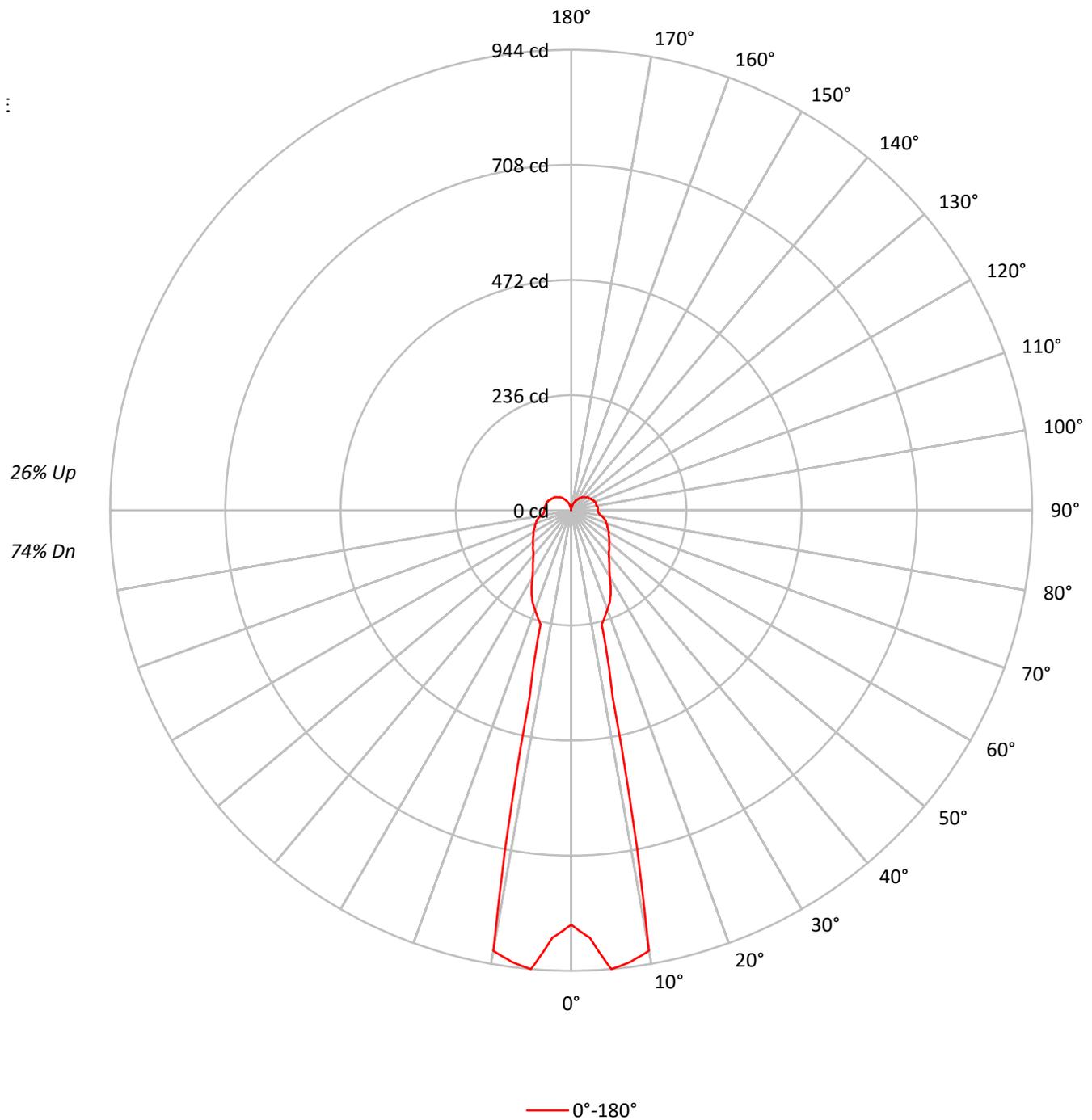
Lumens per Lamp: N/A
Luminaire Lumens: 1009.1 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (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: P1245239

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245239

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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	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°	26881
5°	26528
10°	23325
15°	5663
20°	4725
25°	3933
30°	3107
35°	2579
40°	2203
45°	1994
50°	1806
55°	1667
60°	1575
65°	1460
70°	1386
75°	1322
80°	1193
85°	1135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1994 cd/sqm

TEST NUMBER: P1245239

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	8.7
10°-20°	93.4	9.3
20°-30°	87.0	8.6
30°-40°	85.7	8.5
40°-50°	85.4	8.5
50°-60°	85.0	8.4
60°-70°	81.9	8.1
70°-80°	74.5	7.4
80°-90°	62.0	6.1
90°-100°	59.3	5.9
100°-110°	55.6	5.5
110°-120°	48.8	4.8
120°-130°	39.8	3.9
130°-140°	29.7	2.9
140°-150°	19.1	1.9
150°-160°	9.9	1.0
160°-170°	3.4	0.3
170°-180°	0.3	0.0
0°-30°	268.5	26.6
0°-40°	354.2	35.1
0°-60°	524.6	52.0
0°-90°	743.1	73.6
90°-120°	163.7	16.2
90°-150°	252.3	25.0
90°-180°	266.0	26.4
0°-180°	1009.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	850	
5°	944	88
15°	242	93
25°	191	87
35°	136	86
45°	111	85
55°	95	85
65°	82	82
75°	71	75
85°	56	47
90°	55	30
95°	55	44
105°	53	56
115°	49	49
125°	44	40
135°	38	30
145°	31	19
155°	22	10
165°	11	3
175°	2	0
180°	0	

TEST NUMBER: P1245239

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	849.7
2.5°	877.0
5°	944.3
7.5°	933.4
10°	917.0
12.5°	393.0
15°	242.0
17.5°	229.3
20°	216.5
22.5°	205.6
25°	191.0
27.5°	174.7
30°	158.3
32.5°	145.6
35°	136.5
37.5°	127.4
40°	120.1
42.5°	114.6
45°	111.0
47.5°	105.5
50°	101.9
52.5°	98.3
55°	94.6
57.5°	91.0
60°	89.2
62.5°	85.5
65°	81.9
67.5°	80.1
70°	76.4
72.5°	74.6
75°	71.0
77.5°	67.3
80°	61.9
82.5°	58.2
85°	56.4
87.5°	54.6
90°	54.6
92.5°	54.6
95°	54.6
97.5°	54.6
100°	52.8
102.5°	52.8
105°	52.8
107.5°	52.8
110°	50.9



TEST NUMBER: P1245239

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.9
115°	49.1
117.5°	47.3
120°	47.3
122.5°	45.5
125°	43.7
127.5°	43.7
130°	41.8
132.5°	40.0
135°	38.2
137.5°	36.4
140°	34.6
142.5°	32.8
145°	30.9
147.5°	27.3
150°	25.5
152.5°	23.7
155°	21.8
157.5°	18.2
160°	16.4
162.5°	14.6
165°	10.9
167.5°	9.1
170°	7.3
172.5°	3.6
175°	1.8
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	10.3	11.5	11.0	12.2	13.1	10.3	11.5	11.0	12.2	13.1
	3H	12.6	13.7	13.4	14.4	15.3	12.6	13.7	13.4	14.4	15.3
	4H	13.7	14.7	14.5	15.5	16.4	13.7	14.7	14.5	15.5	16.4
	6H	14.7	15.6	15.4	16.4	17.3	14.7	15.6	15.4	16.4	17.3
	8H	15.1	16.0	15.9	16.8	17.7	15.1	16.0	15.9	16.8	17.7
	12H	15.5	16.4	16.3	17.1	18.1	15.5	16.4	16.3	17.1	18.1
4H	2H	10.9	11.9	11.7	12.7	13.6	10.9	11.9	11.7	12.7	13.6
	3H	13.4	14.3	14.2	15.1	16.0	13.4	14.3	14.2	15.1	16.0
	4H	14.7	15.5	15.4	16.2	17.2	14.7	15.5	15.4	16.2	17.2
	6H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
	8H	16.3	17.0	17.1	17.8	18.8	16.3	17.0	17.1	17.8	18.8
	12H	16.8	17.4	17.6	18.2	19.2	16.8	17.4	17.6	18.2	19.2
8H	4H	15.1	15.7	15.9	16.5	17.5	15.1	15.7	15.9	16.5	17.5
	6H	16.4	16.9	17.2	17.8	18.8	16.4	16.9	17.2	17.8	18.8
	8H	17.0	17.5	17.8	18.3	19.4	17.0	17.5	17.8	18.3	19.4
	12H	17.7	18.1	18.5	19.0	20.0	17.7	18.1	18.5	19.0	20.0
12H	4H	15.1	15.7	15.9	16.5	17.5	15.1	15.7	15.9	16.5	17.5
	6H	16.5	17.0	17.3	17.8	18.9	16.5	17.0	17.3	17.8	18.9
	8H	17.2	17.6	18.0	18.5	19.5	17.2	17.6	18.0	18.5	19.5

(END OF REPORT)