

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: P1245237

Luminaire Tested: PRLX-NIM-S-930-07L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245237
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-930-07L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

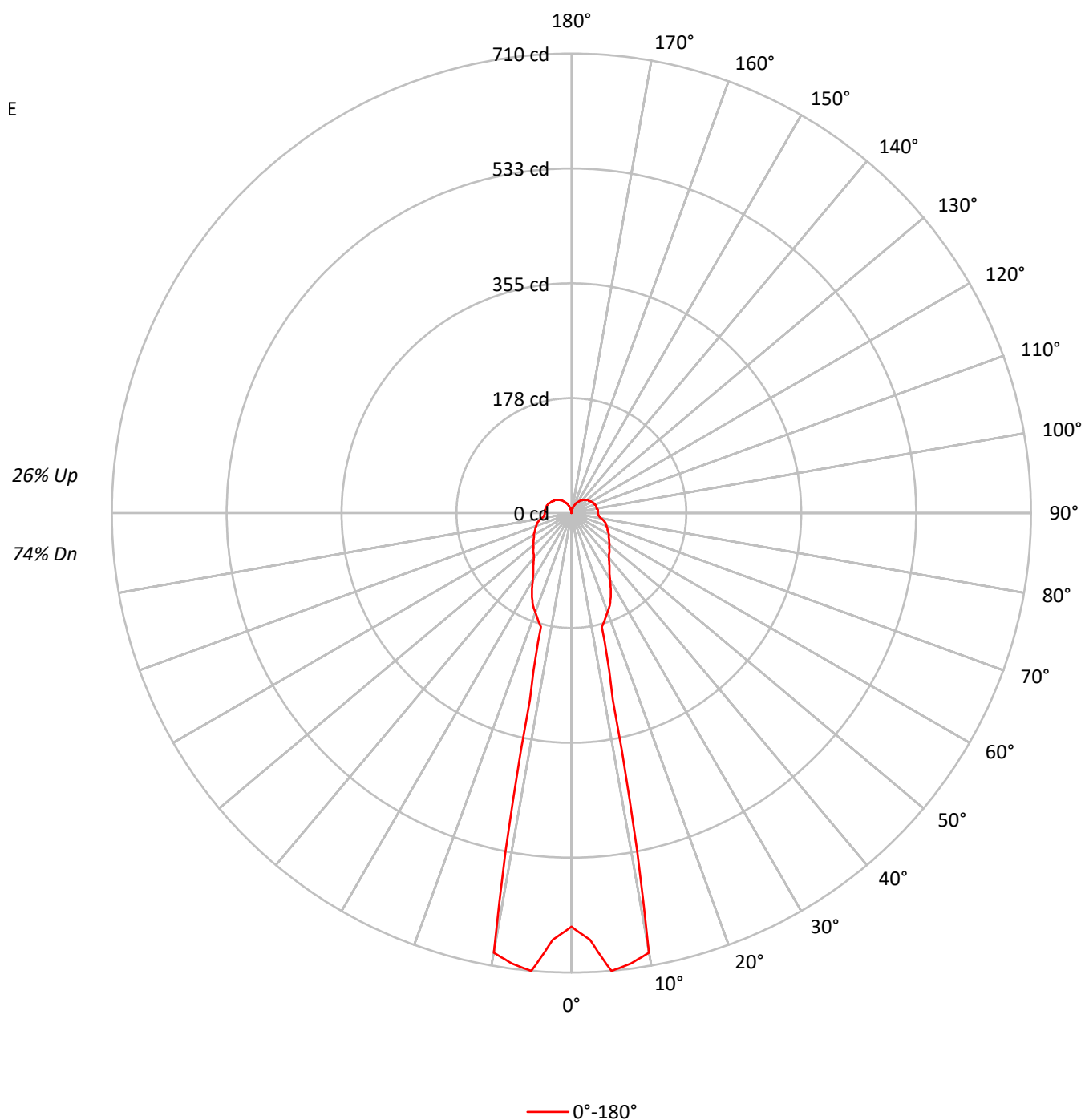
Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 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: P1245237

CATALOG NUMBER: PRLX-NIM-S-930-07L-U-NR

Luminous Intensity Polar Plot





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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°	20222
5°	19954
10°	17546
15°	4259
20°	3555
25°	2959
30°	2338
35°	1938
40°	1657
45°	1500
50°	1358
55°	1255
60°	1185
65°	1098
70°	1043
75°	994
80°	896
85°	853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1500 cd/sqm

TEST NUMBER: P1245237

CATALOG NUMBER: PRLX-NIM-S-930-07L-U-NR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	8.7
10°-20°	70.3	9.3
20°-30°	65.4	8.6
30°-40°	64.5	8.5
40°-50°	64.2	8.5
50°-60°	63.9	8.4
60°-70°	61.6	8.1
70°-80°	56.1	7.4
80°-90°	46.7	6.1
90°-100°	44.7	5.9
100°-110°	41.8	5.5
110°-120°	36.7	4.8
120°-130°	29.9	3.9
130°-140°	22.3	2.9
140°-150°	14.4	1.9
150°-160°	7.5	1.0
160°-170°	2.6	0.3
170°-180°	0.2	0.0
0°-30°	202.0	26.6
0°-40°	266.4	35.1
0°-60°	394.6	52.0
0°-90°	558.9	73.6
90°-120°	123.2	16.2
90°-150°	189.8	25.0
90°-180°	200.0	26.4
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	639	
5°	710	66
15°	182	70
25°	144	65
35°	103	64
45°	84	64
55°	71	64
65°	62	62
75°	53	56
85°	42	35
90°	41	23
95°	41	33
105°	40	42
115°	37	37
125°	33	30
135°	29	22
145°	23	14
155°	16	7
165°	8	3
175°	1	0
180°	0	

TEST NUMBER: P1245237

CATALOG NUMBER: PRLX-NIM-S-930-07L-U-NR

CANDELA DISTRIBUTION (FULL):

0°	
0°	639.2
2.5°	659.7
5°	710.3
7.5°	702.1
10°	689.8
12.5°	295.6
15°	182.0
17.5°	172.5
20°	162.9
22.5°	154.7
25°	143.7
27.5°	131.4
30°	119.1
32.5°	109.5
35°	102.6
37.5°	95.8
40°	90.3
42.5°	86.2
45°	83.5
47.5°	79.4
50°	76.6
52.5°	73.9
55°	71.2
57.5°	68.4
60°	67.1
62.5°	64.3
65°	61.6
67.5°	60.2
70°	57.5
72.5°	56.1
75°	53.4
77.5°	50.6
80°	46.5
82.5°	43.8
85°	42.4
87.5°	41.1
90°	41.1
92.5°	41.1
95°	41.1
97.5°	41.1
100°	39.7
102.5°	39.7
105°	39.7
107.5°	39.7
110°	38.3

TEST NUMBER: P1245237

CATALOG NUMBER: PRLX-NIM-S-930-07L-U-NR

CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.3
115°	37.0
117.5°	35.6
120°	35.6
122.5°	34.2
125°	32.8
127.5°	32.8
130°	31.5
132.5°	30.1
135°	28.7
137.5°	27.4
140°	26.0
142.5°	24.6
145°	23.3
147.5°	20.5
150°	19.2
152.5°	17.8
155°	16.4
157.5°	13.7
160°	12.3
162.5°	10.9
165°	8.2
167.5°	6.8
170°	5.5
172.5°	2.7
175°	1.4
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	9.3	10.5	10.1	11.2	12.1	9.3	10.5	10.1	11.2	12.1
	3H	11.6	12.7	12.4	13.4	14.4	11.6	12.7	12.4	13.4	14.4
	4H	12.7	13.7	13.5	14.5	15.4	12.7	13.7	13.5	14.5	15.4
	6H	13.7	14.6	14.4	15.4	16.3	13.7	14.6	14.4	15.4	16.3
	8H	14.1	15.0	14.9	15.8	16.7	14.1	15.0	14.9	15.8	16.7
	12H	14.5	15.4	15.3	16.2	17.1	14.5	15.4	15.3	16.2	17.1
4H	2H	9.9	10.9	10.7	11.7	12.6	9.9	10.9	10.7	11.7	12.6
	3H	12.5	13.3	13.2	14.1	15.0	12.5	13.3	13.2	14.1	15.0
	4H	13.7	14.5	14.5	15.3	16.2	13.7	14.5	14.5	15.3	16.2
	6H	14.8	15.5	15.6	16.3	17.3	14.8	15.5	15.6	16.3	17.3
	8H	15.3	16.0	16.1	16.8	17.8	15.3	16.0	16.1	16.8	17.8
	12H	15.8	16.4	16.6	17.3	18.3	15.8	16.4	16.6	17.3	18.3
8H	4H	14.1	14.7	14.9	15.5	16.5	14.1	14.7	14.9	15.5	16.5
	6H	15.4	15.9	16.2	16.8	17.8	15.4	15.9	16.2	16.8	17.8
	8H	16.0	16.5	16.8	17.4	18.4	16.0	16.5	16.8	17.4	18.4
	12H	16.7	17.1	17.5	18.0	19.0	16.7	17.1	17.5	18.0	19.0
12H	4H	14.1	14.7	14.9	15.6	16.6	14.1	14.7	14.9	15.6	16.6
	6H	15.5	16.0	16.3	16.8	17.9	15.5	16.0	16.3	16.8	17.9
	8H	16.2	16.6	17.0	17.5	18.5	16.2	16.6	17.0	17.5	18.5

(END OF REPORT)