

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: P1245238

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245238
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-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

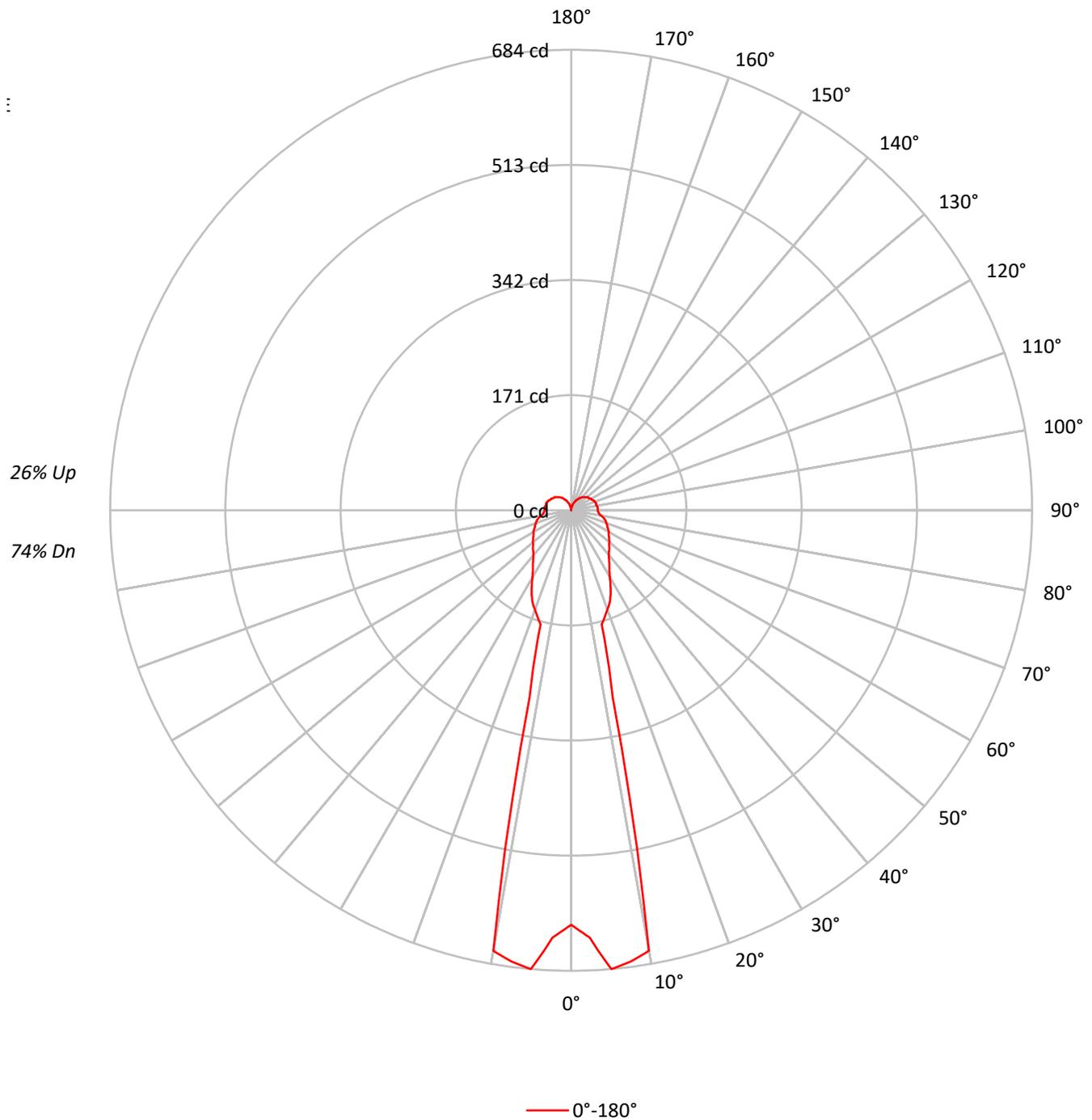
Lumens per Lamp: N/A
Luminaire Lumens: 730.9 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
Input Voltage (V): NR
Input Current (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: P1245238

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

Luminous Intensity Polar Plot





TEST NUMBER: P1245238

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

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°	19475
5°	19218
10°	16900
15°	4102
20°	3424
25°	2850
30°	2252
35°	1869
40°	1596
45°	1444
50°	1308
55°	1207
60°	1141
65°	1057
70°	1005
75°	957
80°	863
85°	823

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1444 cd/sqm



TEST NUMBER: P1245238

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	8.7
10°-20°	67.7	9.3
20°-30°	63.0	8.6
30°-40°	62.1	8.5
40°-50°	61.9	8.5
50°-60°	61.6	8.4
60°-70°	59.3	8.1
70°-80°	54.0	7.4
80°-90°	44.9	6.1
90°-100°	42.9	5.9
100°-110°	40.2	5.5
110°-120°	35.4	4.8
120°-130°	28.9	3.9
130°-140°	21.5	2.9
140°-150°	13.9	1.9
150°-160°	7.2	1.0
160°-170°	2.5	0.3
170°-180°	0.2	0.0
0°-30°	194.5	26.6
0°-40°	256.6	35.1
0°-60°	380.1	52.0
0°-90°	538.3	73.6
90°-120°	118.5	16.2
90°-150°	182.7	25.0
90°-180°	193.0	26.4
0°-180°	730.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	616	
5°	684	64
15°	175	68
25°	138	63
35°	99	62
45°	80	62
55°	68	62
65°	59	59
75°	51	54
85°	41	34
90°	40	22
95°	40	32
105°	38	40
115°	36	35
125°	32	29
135°	28	21
145°	22	14
155°	16	7
165°	8	2
175°	1	0
180°	0	

TEST NUMBER: P1245238

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	615.6
2.5°	635.4
5°	684.1
7.5°	676.2
10°	664.4
12.5°	284.7
15°	175.3
17.5°	166.1
20°	156.9
22.5°	149.0
25°	138.4
27.5°	126.5
30°	114.7
32.5°	105.5
35°	98.9
37.5°	92.3
40°	87.0
42.5°	83.0
45°	80.4
47.5°	76.5
50°	73.8
52.5°	71.2
55°	68.5
57.5°	65.9
60°	64.6
62.5°	62.0
65°	59.3
67.5°	58.0
70°	55.4
72.5°	54.0
75°	51.4
77.5°	48.8
80°	44.8
82.5°	42.2
85°	40.9
87.5°	39.5
90°	39.5
92.5°	39.5
95°	39.5
97.5°	39.5
100°	38.2
102.5°	38.2
105°	38.2
107.5°	38.2
110°	36.9



TEST NUMBER: P1245238

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.9
115°	35.6
117.5°	34.3
120°	34.3
122.5°	33.0
125°	31.6
127.5°	31.6
130°	30.3
132.5°	29.0
135°	27.7
137.5°	26.4
140°	25.0
142.5°	23.7
145°	22.4
147.5°	19.8
150°	18.5
152.5°	17.1
155°	15.8
157.5°	13.2
160°	11.9
162.5°	10.5
165°	7.9
167.5°	6.6
170°	5.3
172.5°	2.6
175°	1.3
177.5°	0.0
180°	0.0



TEST NUMBER: P1245238

CATALOG NUMBER: PRLX-NIM-S-930-07L-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	9.2	10.3	9.9	11.1	12.0	9.2	10.3	9.9	11.1	12.0
	3H	11.5	12.6	12.2	13.3	14.2	11.5	12.6	12.2	13.3	14.2
	4H	12.6	13.6	13.3	14.3	15.3	12.6	13.6	13.3	14.3	15.3
	6H	13.6	14.5	14.3	15.2	16.2	13.6	14.5	14.3	15.2	16.2
	8H	14.0	14.9	14.7	15.7	16.6	14.0	14.9	14.7	15.7	16.6
	12H	14.4	15.2	15.2	16.0	17.0	14.4	15.2	15.2	16.0	17.0
4H	2H	9.8	10.8	10.5	11.5	12.5	9.8	10.8	10.5	11.5	12.5
	3H	12.3	13.2	13.1	14.0	14.9	12.3	13.2	13.1	14.0	14.9
	4H	13.5	14.3	14.3	15.1	16.1	13.5	14.3	14.3	15.1	16.1
	6H	14.7	15.4	15.5	16.2	17.2	14.7	15.4	15.5	16.2	17.2
	8H	15.2	15.8	16.0	16.7	17.6	15.2	15.8	16.0	16.7	17.6
	12H	15.7	16.3	16.5	17.1	18.1	15.7	16.3	16.5	17.1	18.1
8H	4H	13.9	14.6	14.7	15.4	16.4	13.9	14.6	14.7	15.4	16.4
	6H	15.2	15.8	16.1	16.7	17.6	15.2	15.8	16.1	16.7	17.6
	8H	15.9	16.4	16.7	17.2	18.2	15.9	16.4	16.7	17.2	18.2
	12H	16.5	17.0	17.4	17.8	18.9	16.5	17.0	17.4	17.8	18.9
12H	4H	14.0	14.6	14.8	15.4	16.4	14.0	14.6	14.8	15.4	16.4
	6H	15.4	15.9	16.2	16.7	17.7	15.4	15.9	16.2	16.7	17.7
	8H	16.1	16.5	16.9	17.4	18.4	16.1	16.5	16.9	17.4	18.4

(END OF REPORT)