

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: P1245234

Luminaire Tested: PRLX-NIM-S-930-05L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245234
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-930-05L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

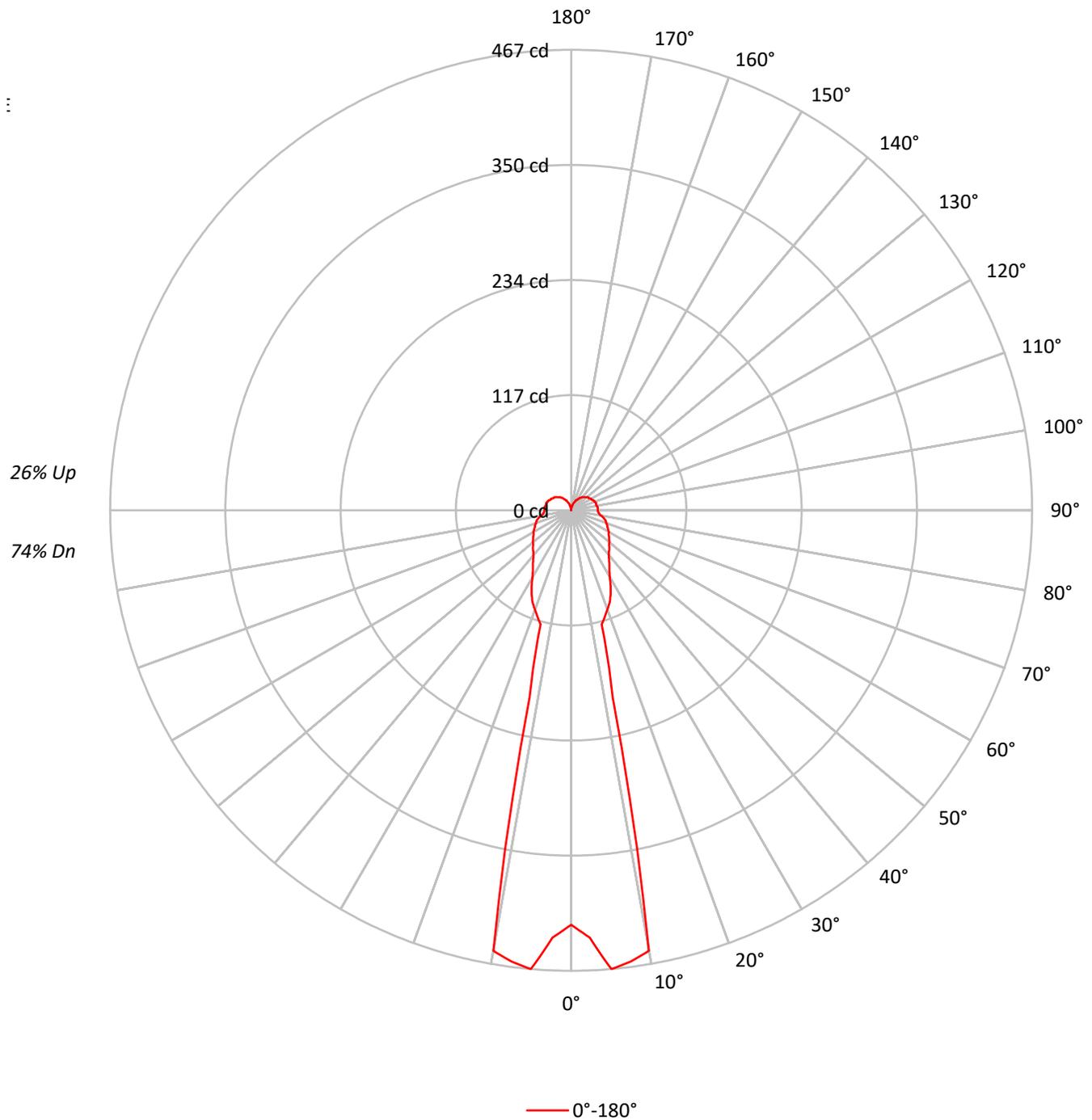
Lumens per Lamp: N/A
Luminaire Lumens: 499.1 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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: P1245234

CATALOG NUMBER: PRLX-NIM-S-930-05L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245234

CATALOG NUMBER: PRLX-NIM-S-930-05L-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°	13294
5°	13119
10°	11535
15°	2801
20°	2337
25°	1946
30°	1537
35°	1275
40°	1090
45°	986
50°	893
55°	825
60°	779
65°	722
70°	686
75°	654
80°	590
85°	561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 986 cd/sqm

TEST NUMBER: P1245234

CATALOG NUMBER: PRLX-NIM-S-930-05L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	8.7
10°-20°	46.2	9.3
20°-30°	43.0	8.6
30°-40°	42.4	8.5
40°-50°	42.2	8.5
50°-60°	42.0	8.4
60°-70°	40.5	8.1
70°-80°	36.9	7.4
80°-90°	30.7	6.1
90°-100°	29.3	5.9
100°-110°	27.5	5.5
110°-120°	24.1	4.8
120°-130°	19.7	3.9
130°-140°	14.7	2.9
140°-150°	9.5	1.9
150°-160°	4.9	1.0
160°-170°	1.7	0.3
170°-180°	0.2	0.0
0°-30°	132.8	26.6
0°-40°	175.2	35.1
0°-60°	259.5	52.0
0°-90°	367.5	73.6
90°-120°	81.0	16.2
90°-150°	124.8	25.0
90°-180°	132.0	26.4
0°-180°	499.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	467	44
15°	120	46
25°	94	43
35°	68	42
45°	55	42
55°	47	42
65°	40	40
75°	35	37
85°	28	23
90°	27	15
95°	27	22
105°	26	27
115°	24	24
125°	22	20
135°	19	15
145°	15	9
155°	11	5
165°	5	2
175°	1	0
180°	0	

TEST NUMBER: P1245234

CATALOG NUMBER: PRLX-NIM-S-930-05L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	420.2
2.5°	433.7
5°	467.0
7.5°	461.6
10°	453.5
12.5°	194.4
15°	119.7
17.5°	113.4
20°	107.1
22.5°	101.7
25°	94.5
27.5°	86.4
30°	78.3
32.5°	72.0
35°	67.5
37.5°	63.0
40°	59.4
42.5°	56.7
45°	54.9
47.5°	52.2
50°	50.4
52.5°	48.6
55°	46.8
57.5°	45.0
60°	44.1
62.5°	42.3
65°	40.5
67.5°	39.6
70°	37.8
72.5°	36.9
75°	35.1
77.5°	33.3
80°	30.6
82.5°	28.8
85°	27.9
87.5°	27.0
90°	27.0
92.5°	27.0
95°	27.0
97.5°	27.0
100°	26.1
102.5°	26.1
105°	26.1
107.5°	26.1
110°	25.2

TEST NUMBER: P1245234

CATALOG NUMBER: PRLX-NIM-S-930-05L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	25.2
115°	24.3
117.5°	23.4
120°	23.4
122.5°	22.5
125°	21.6
127.5°	21.6
130°	20.7
132.5°	19.8
135°	18.9
137.5°	18.0
140°	17.1
142.5°	16.2
145°	15.3
147.5°	13.5
150°	12.6
152.5°	11.7
155°	10.8
157.5°	9.0
160°	8.1
162.5°	7.2
165°	5.4
167.5°	4.5
170°	3.6
172.5°	1.8
175°	0.9
177.5°	0.0
180°	0.0



TEST NUMBER: P1245234

CATALOG NUMBER: PRLX-NIM-S-930-05L-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	7.9	9.0	8.6	9.8	10.7	7.9	9.0	8.6	9.8	10.7
	3H	10.2	11.2	10.9	12.0	12.9	10.2	11.2	10.9	12.0	12.9
	4H	11.3	12.2	12.0	13.0	13.9	11.3	12.2	12.0	13.0	13.9
	6H	12.2	13.2	13.0	13.9	14.9	12.2	13.2	13.0	13.9	14.9
	8H	12.7	13.5	13.4	14.3	15.3	12.7	13.5	13.4	14.3	15.3
	12H	13.1	13.9	13.8	14.7	15.7	13.1	13.9	13.8	14.7	15.7
4H	2H	8.5	9.5	9.2	10.2	11.2	8.5	9.5	9.2	10.2	11.2
	3H	11.0	11.8	11.8	12.6	13.6	11.0	11.8	11.8	12.6	13.6
	4H	12.2	13.0	13.0	13.8	14.8	12.2	13.0	13.0	13.8	14.8
	6H	13.4	14.0	14.1	14.9	15.8	13.4	14.0	14.1	14.9	15.8
	8H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
	12H	14.4	15.0	15.2	15.8	16.8	14.4	15.0	15.2	15.8	16.8
8H	4H	12.6	13.3	13.4	14.1	15.1	12.6	13.3	13.4	14.1	15.1
	6H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
	8H	14.5	15.0	15.4	15.9	16.9	14.5	15.0	15.4	15.9	16.9
	12H	15.2	15.7	16.1	16.5	17.6	15.2	15.7	16.1	16.5	17.6
12H	4H	12.7	13.3	13.5	14.1	15.1	12.7	13.3	13.5	14.1	15.1
	6H	14.0	14.5	14.9	15.4	16.4	14.0	14.5	14.9	15.4	16.4
	8H	14.7	15.2	15.6	16.0	17.1	14.7	15.2	15.6	16.0	17.1

(END OF REPORT)