

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: P1245214

Luminaire Tested: PRLX-NIM-S-927-05L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245214
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-927-05L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

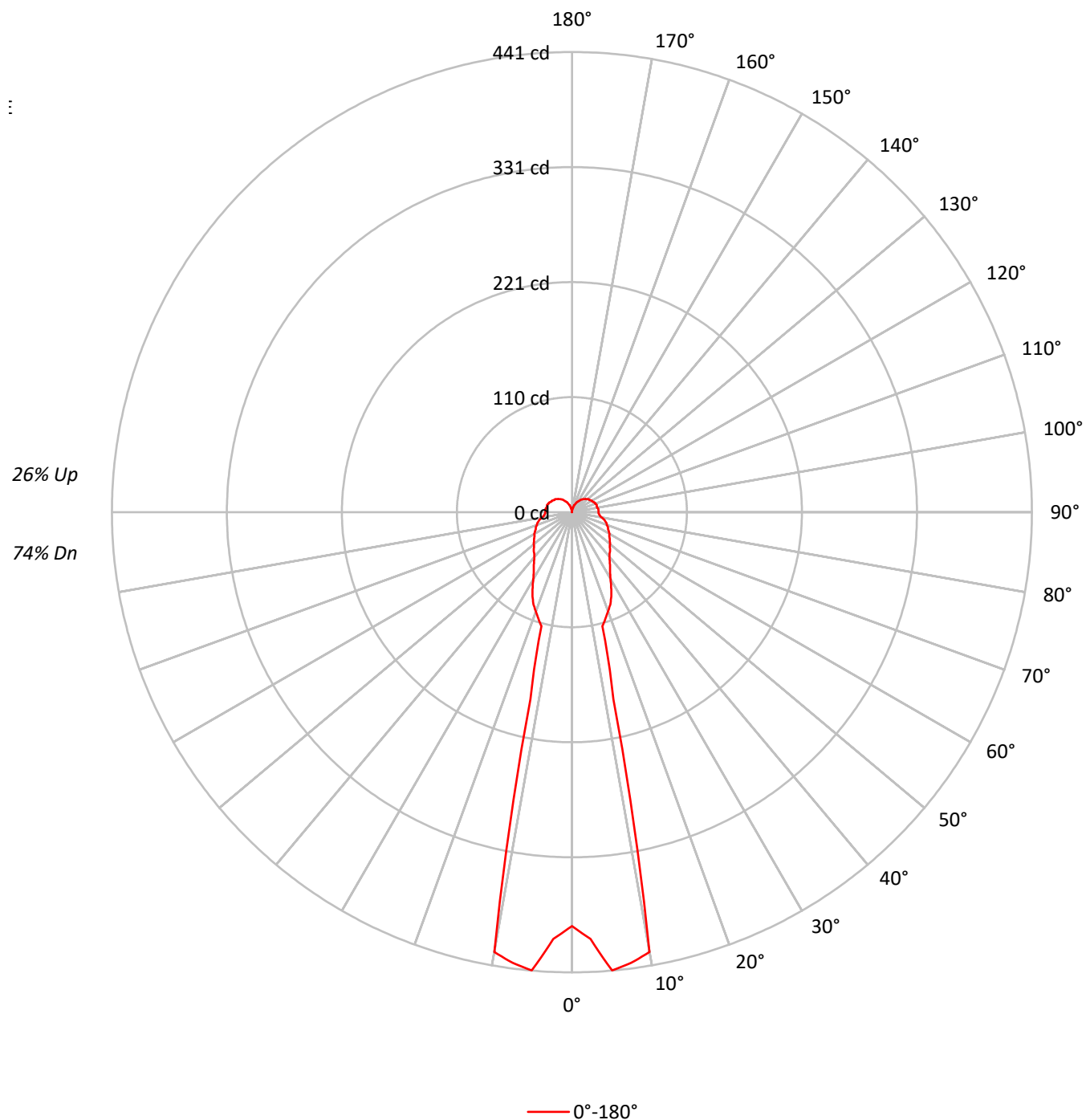
Lumens per Lamp: N/A
Luminaire Lumens: 471.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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: P1245214

CATALOG NUMBER: PRLX-NIM-S-927-05L-U-WO

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
RCR																	
0	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12547
5°	12383
10°	10889
15°	2644
20°	2206
25°	1837
30°	1451
35°	1204
40°	1029
45°	930
50°	844
55°	779
60°	735
65°	681
70°	648
75°	616
80°	557
85°	529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 930 cd/sqm

TEST NUMBER: P1245214

CATALOG NUMBER: PRLX-NIM-S-927-05L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	8.7
10°-20°	43.6	9.3
20°-30°	40.6	8.6
30°-40°	40.0	8.5
40°-50°	39.9	8.5
50°-60°	39.7	8.4
60°-70°	38.2	8.1
70°-80°	34.8	7.4
80°-90°	29.0	6.1
90°-100°	27.7	5.9
100°-110°	25.9	5.5
110°-120°	22.8	4.8
120°-130°	18.6	3.9
130°-140°	13.8	2.9
140°-150°	8.9	1.9
150°-160°	4.6	1.0
160°-170°	1.6	0.3
170°-180°	0.2	0.0
0°-30°	125.4	26.6
0°-40°	165.4	35.1
0°-60°	244.9	52.0
0°-90°	346.9	73.6
90°-120°	76.4	16.2
90°-150°	117.7	25.0
90°-180°	124.0	26.3
0°-180°	471.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	397	
5°	441	41
15°	113	44
25°	89	41
35°	64	40
45°	52	40
55°	44	40
65°	38	38
75°	33	35
85°	26	22
90°	26	14
95°	26	21
105°	25	26
115°	23	23
125°	20	19
135°	18	14
145°	14	9
155°	10	5
165°	5	2
175°	1	0
180°	0	

TEST NUMBER: P1245214

CATALOG NUMBER: PRLX-NIM-S-927-05L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	396.6
2.5°	409.4
5°	440.8
7.5°	435.7
10°	428.1
12.5°	183.5
15°	113.0
17.5°	107.0
20°	101.1
22.5°	96.0
25°	89.2
27.5°	81.5
30°	73.9
32.5°	67.9
35°	63.7
37.5°	59.5
40°	56.1
42.5°	53.5
45°	51.8
47.5°	49.3
50°	47.6
52.5°	45.9
55°	44.2
57.5°	42.5
60°	41.6
62.5°	39.9
65°	38.2
67.5°	37.4
70°	35.7
72.5°	34.8
75°	33.1
77.5°	31.4
80°	28.9
82.5°	27.2
85°	26.3
87.5°	25.5
90°	25.5
92.5°	25.5
95°	25.5
97.5°	25.5
100°	24.6
102.5°	24.6
105°	24.6
107.5°	24.6
110°	23.8

TEST NUMBER: P1245214

CATALOG NUMBER: PRLX-NIM-S-927-05L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	23.8
115°	22.9
117.5°	22.1
120°	22.1
122.5°	21.2
125°	20.4
127.5°	20.4
130°	19.5
132.5°	18.7
135°	17.8
137.5°	17.0
140°	16.1
142.5°	15.3
145°	14.4
147.5°	12.7
150°	11.9
152.5°	11.0
155°	10.2
157.5°	8.5
160°	7.6
162.5°	6.8
165°	5.1
167.5°	4.2
170°	3.4
172.5°	1.7
175°	0.8
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	7.7	8.8	8.4	9.6	10.5	7.7	8.8	8.4	9.6	10.5
	3H	10.0	11.0	10.7	11.8	12.7	10.0	11.0	10.7	11.8	12.7
	4H	11.1	12.0	11.8	12.8	13.7	11.1	12.0	11.8	12.8	13.7
	6H	12.0	13.0	12.8	13.7	14.7	12.0	13.0	12.8	13.7	14.7
	8H	12.5	13.3	13.2	14.1	15.1	12.5	13.3	13.2	14.1	15.1
	12H	12.9	13.7	13.6	14.5	15.5	12.9	13.7	13.6	14.5	15.5
4H	2H	8.3	9.3	9.0	10.0	11.0	8.3	9.3	9.0	10.0	11.0
	3H	10.8	11.7	11.6	12.4	13.4	10.8	11.7	11.6	12.4	13.4
	4H	12.0	12.8	12.8	13.6	14.6	12.0	12.8	12.8	13.6	14.6
	6H	13.1	13.8	13.9	14.7	15.6	13.1	13.8	13.9	14.7	15.6
	8H	13.7	14.3	14.5	15.1	16.1	13.7	14.3	14.5	15.1	16.1
	12H	14.2	14.8	15.0	15.6	16.6	14.2	14.8	15.0	15.6	16.6
8H	4H	12.4	13.1	13.2	13.9	14.9	12.4	13.1	13.2	13.9	14.9
	6H	13.7	14.3	14.5	15.1	16.1	13.7	14.3	14.5	15.1	16.1
	8H	14.3	14.8	15.2	15.7	16.7	14.3	14.8	15.2	15.7	16.7
	12H	15.0	15.5	15.9	16.3	17.4	15.0	15.5	15.9	16.3	17.4
12H	4H	12.5	13.1	13.3	13.9	14.9	12.5	13.1	13.3	13.9	14.9
	6H	13.8	14.3	14.7	15.2	16.2	13.8	14.3	14.7	15.2	16.2
	8H	14.5	15.0	15.4	15.8	16.9	14.5	15.0	15.4	15.8	16.9

(END OF REPORT)