

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: P1245224

Luminaire Tested: PRLX-NIM-S-927-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245224
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-927-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

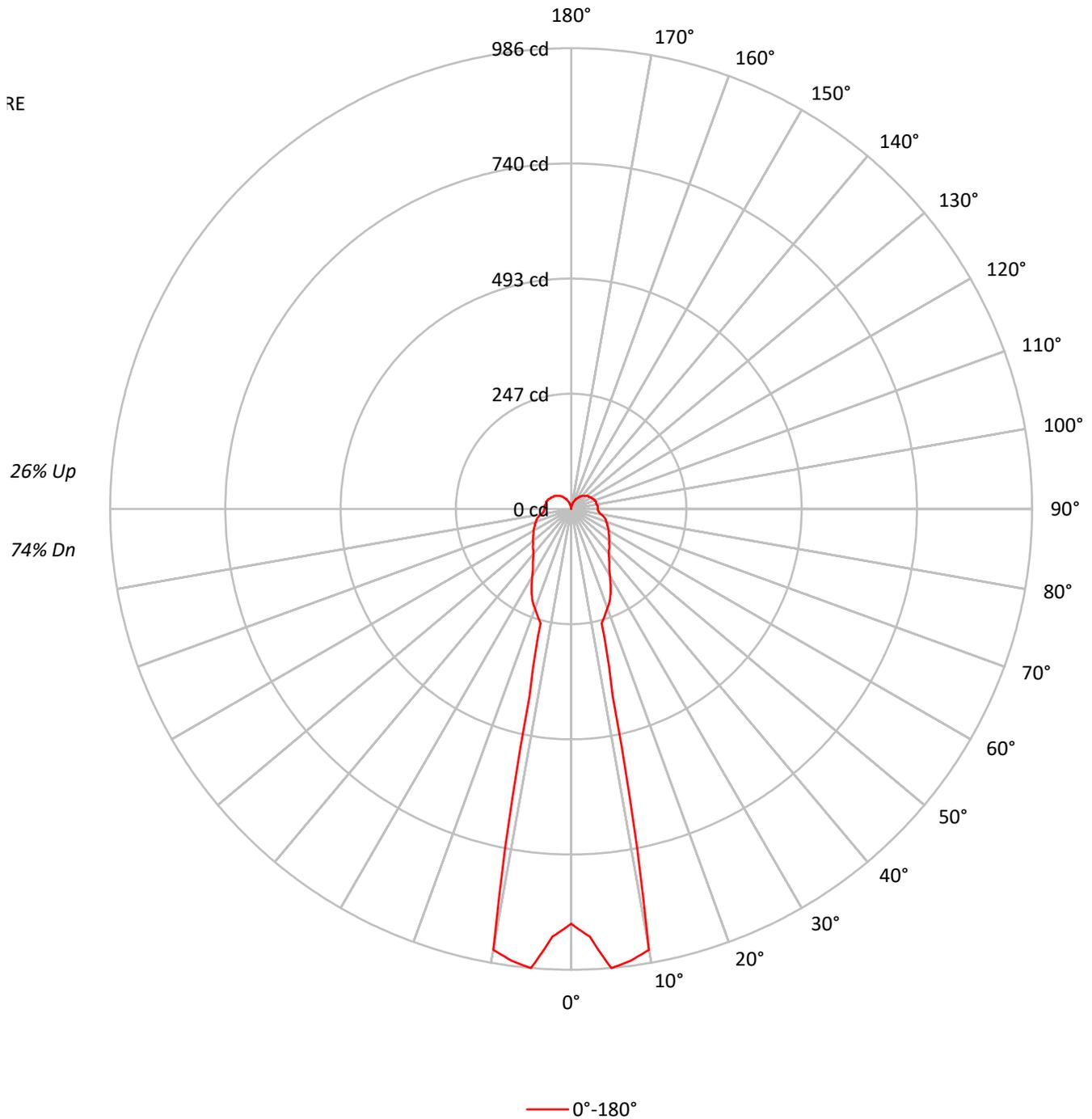
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1053.8 lumens
Efficiency: N/A
Efficacy: 36.5 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): 28.9
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: P1245224
CATALOG NUMBER: PRLX-NIM-S-927-12L-U-NL

Luminous Intensity Polar Plot



TEST NUMBER: P1245224

CATALOG NUMBER: PRLX-NIM-S-927-12L-U-NL

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	28		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°	28080
5°	27710
10°	24365
15°	5916
20°	4936
25°	4110
30°	3247
35°	2692
40°	2300
45°	2082
50°	1886
55°	1741
60°	1644
65°	1525
70°	1448
75°	1380
80°	1245
85°	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2082 cd/sqm



TEST NUMBER: P1245224

CATALOG NUMBER: PRLX-NIM-S-927-12L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	8.7
10°-20°	97.6	9.3
20°-30°	90.9	8.6
30°-40°	89.5	8.5
40°-50°	89.2	8.5
50°-60°	88.7	8.4
60°-70°	85.5	8.1
70°-80°	77.8	7.4
80°-90°	64.8	6.1
90°-100°	61.9	5.9
100°-110°	58.0	5.5
110°-120°	51.0	4.8
120°-130°	41.6	3.9
130°-140°	31.0	2.9
140°-150°	20.0	1.9
150°-160°	10.4	1.0
160°-170°	3.6	0.3
170°-180°	0.3	0.0
0°-30°	280.5	26.6
0°-40°	370.0	35.1
0°-60°	547.9	52.0
0°-90°	776.0	73.6
90°-120°	170.9	16.2
90°-150°	263.5	25.0
90°-180°	278.0	26.4
0°-180°	1053.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	986	92
15°	253	98
25°	200	91
35°	142	89
45°	116	89
55°	99	89
65°	86	85
75°	74	78
85°	59	49
90°	57	31
95°	57	46
105°	55	58
115°	51	51
125°	46	42
135°	40	31
145°	32	20
155°	23	10
165°	11	4
175°	2	0
180°	0	

TEST NUMBER: P1245224

CATALOG NUMBER: PRLX-NIM-S-927-12L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	887.6
2.5°	916.1
5°	986.4
7.5°	975.0
10°	957.9
12.5°	410.5
15°	252.8
17.5°	239.5
20°	226.2
22.5°	214.8
25°	199.6
27.5°	182.5
30°	165.4
32.5°	152.0
35°	142.5
37.5°	133.0
40°	125.4
42.5°	119.7
45°	115.9
47.5°	110.2
50°	106.4
52.5°	102.6
55°	98.8
57.5°	95.0
60°	93.1
62.5°	89.3
65°	85.5
67.5°	83.6
70°	79.8
72.5°	77.9
75°	74.1
77.5°	70.3
80°	64.6
82.5°	60.8
85°	58.9
87.5°	57.0
90°	57.0
92.5°	57.0
95°	57.0
97.5°	57.0
100°	55.1
102.5°	55.1
105°	55.1
107.5°	55.1
110°	53.2



TEST NUMBER: P1245224

CATALOG NUMBER: PRLX-NIM-S-927-12L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.2
115°	51.3
117.5°	49.4
120°	49.4
122.5°	47.5
125°	45.6
127.5°	45.6
130°	43.7
132.5°	41.8
135°	39.9
137.5°	38.0
140°	36.1
142.5°	34.2
145°	32.3
147.5°	28.5
150°	26.6
152.5°	24.7
155°	22.8
157.5°	19.0
160°	17.1
162.5°	15.2
165°	11.4
167.5°	9.5
170°	7.6
172.5°	3.8
175°	1.9
177.5°	0.0
180°	0.0



TEST NUMBER: P1245224

CATALOG NUMBER: PRLX-NIM-S-927-12L-U-NL

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	10.5	11.6	11.2	12.4	13.2	10.5	11.6	11.2	12.4	13.2
	3H	12.8	13.8	13.5	14.6	15.5	12.8	13.8	13.5	14.6	15.5
	4H	13.9	14.8	14.6	15.6	16.5	13.9	14.8	14.6	15.6	16.5
	6H	14.8	15.7	15.6	16.5	17.5	14.8	15.7	15.6	16.5	17.5
	8H	15.2	16.1	16.0	16.9	17.9	15.2	16.1	16.0	16.9	17.9
	12H	15.7	16.5	16.4	17.3	18.3	15.7	16.5	16.4	17.3	18.3
4H	2H	11.1	12.1	11.8	12.8	13.7	11.1	12.1	11.8	12.8	13.7
	3H	13.6	14.4	14.4	15.2	16.2	13.6	14.4	14.4	15.2	16.2
	4H	14.8	15.6	15.6	16.4	17.4	14.8	15.6	15.6	16.4	17.4
	6H	15.9	16.6	16.7	17.5	18.4	15.9	16.6	16.7	17.5	18.4
	8H	16.5	17.1	17.3	17.9	18.9	16.5	17.1	17.3	17.9	18.9
	12H	17.0	17.6	17.8	18.4	19.4	17.0	17.6	17.8	18.4	19.4
8H	4H	15.2	15.9	16.0	16.7	17.7	15.2	15.9	16.0	16.7	17.7
	6H	16.5	17.1	17.3	17.9	18.9	16.5	17.1	17.3	17.9	18.9
	8H	17.1	17.6	18.0	18.5	19.5	17.1	17.6	18.0	18.5	19.5
	12H	17.8	18.3	18.7	19.1	20.2	17.8	18.3	18.7	19.1	20.2
12H	4H	15.3	15.9	16.1	16.7	17.7	15.3	15.9	16.1	16.7	17.7
	6H	16.6	17.1	17.5	18.0	19.0	16.6	17.1	17.5	18.0	19.0
	8H	17.3	17.8	18.2	18.6	19.7	17.3	17.8	18.2	18.6	19.7

(END OF REPORT)