

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: P1245484

Luminaire Tested: PRLX-UNA-S-935-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-UNA-S-935-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

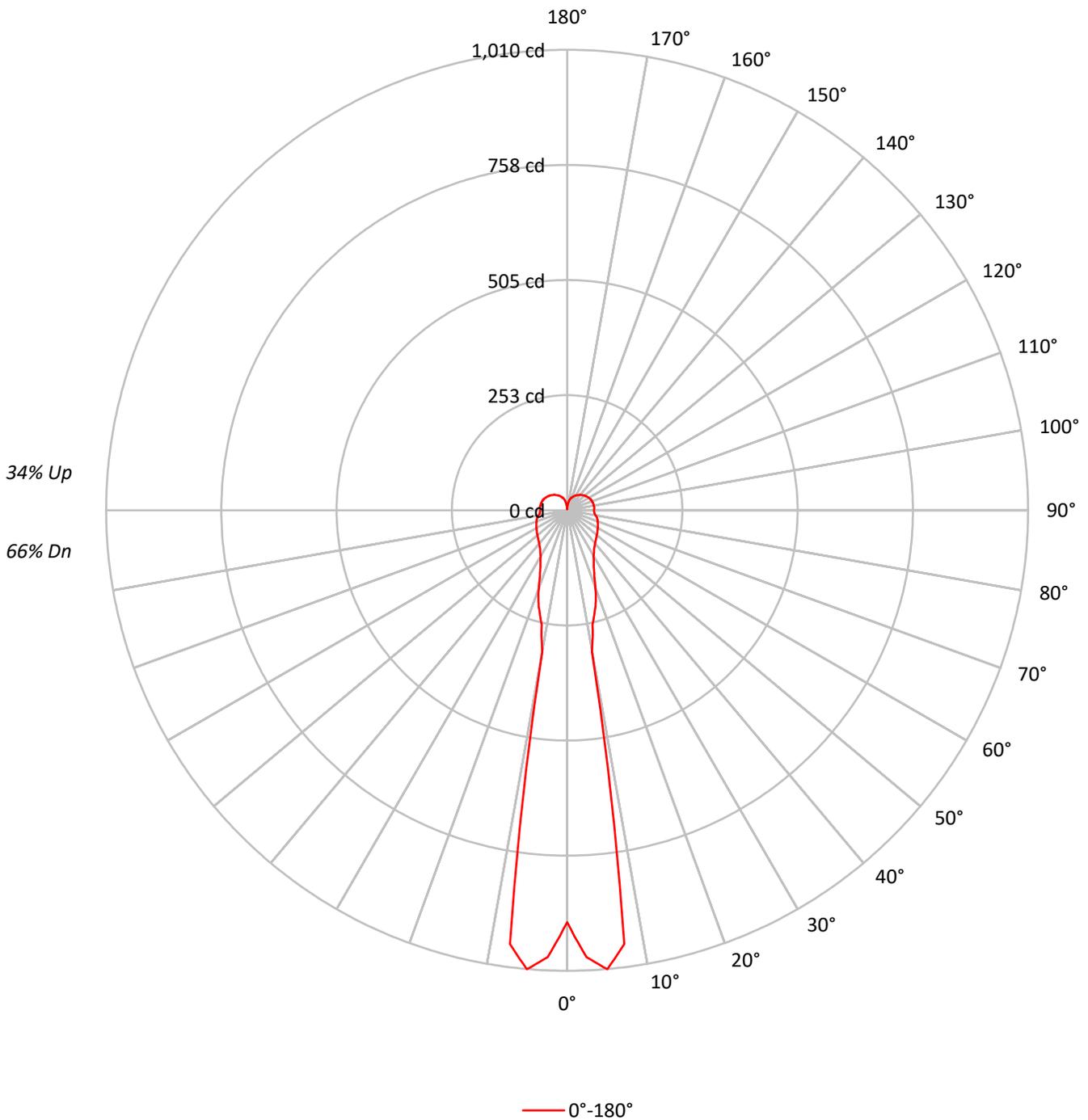
Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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: P1245484

CATALOG NUMBER: PRLX-UNA-S-935-09L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1245484

CATALOG NUMBER: PRLX-UNA-S-935-09L-U-PS

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	111	111	111	111	105	105	105	105	92	92	92		81	81	81		71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71		68	65	63		59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58		59	55	52		52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49		53	48	44		46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43		48	43	39		42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38		44	38	34		38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34		40	35	31		36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31		37	32	28		33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28		35	30	26		31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26		33	28	24		30	26	23	21
10	51	39	32	27	48	37	30	26	34	28	24		31	26	23		28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44256
5°	41064
10°	10999
15°	7173
20°	5045
25°	3525
30°	2746
35°	2298
40°	2016
45°	1824
50°	1672
55°	1557
60°	1472
65°	1401
70°	1341
75°	1291
80°	1218
85°	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1824 cd/sqm

TEST NUMBER: P1245484

CATALOG NUMBER: PRLX-UNA-S-935-09L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	8.4
10°-20°	65.4	6.9
20°-30°	65.0	6.9
30°-40°	65.2	6.9
40°-50°	69.3	7.3
50°-60°	72.6	7.7
60°-70°	73.7	7.8
70°-80°	71.8	7.6
80°-90°	65.7	7.0
90°-100°	64.9	6.9
100°-110°	62.2	6.6
110°-120°	56.3	6.0
120°-130°	47.1	5.0
130°-140°	36.5	3.9
140°-150°	25.6	2.7
150°-160°	15.7	1.7
160°-170°	7.2	0.8
170°-180°	1.2	0.1
0°-30°	209.8	22.2
0°-40°	275.0	29.1
0°-60°	416.9	44.1
0°-90°	628.1	66.5
90°-120°	183.4	19.4
90°-150°	292.8	31.0
90°-180°	317.0	33.5
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	903	
5°	1010	79
15°	232	65
25°	138	65
35°	103	65
45°	90	69
55°	81	73
65°	74	74
75°	68	72
85°	60	49
90°	59	32
95°	60	49
105°	59	62
115°	57	56
125°	53	47
135°	47	37
145°	41	26
155°	34	16
165°	26	7
175°	10	1
180°	2	

TEST NUMBER: P1245484

CATALOG NUMBER: PRLX-UNA-S-935-09L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	903.4
2.5°	980.8
5°	1010.4
7.5°	959.3
10°	314.7
12.5°	257.2
15°	232.4
17.5°	209.3
20°	181.3
22.5°	155.8
25°	138.2
27.5°	126.2
30°	115.8
32.5°	109.4
35°	103.0
37.5°	99.0
40°	95.0
42.5°	91.9
45°	89.5
47.5°	87.1
50°	84.7
52.5°	83.1
55°	80.7
57.5°	79.1
60°	77.5
62.5°	75.9
65°	74.3
67.5°	72.7
70°	71.1
72.5°	70.3
75°	67.9
77.5°	66.3
80°	63.1
82.5°	60.7
85°	59.9
87.5°	59.1
90°	59.1
92.5°	59.1
95°	59.9
97.5°	59.9
100°	59.1
102.5°	59.1
105°	59.1
107.5°	58.3
110°	58.3

TEST NUMBER: P1245484

CATALOG NUMBER: PRLX-UNA-S-935-09L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.5
115°	56.7
117.5°	55.9
120°	55.1
122.5°	53.5
125°	52.7
127.5°	51.1
130°	50.3
132.5°	48.7
135°	47.1
137.5°	45.5
140°	43.9
142.5°	42.3
145°	40.7
147.5°	39.1
150°	37.5
152.5°	35.9
155°	33.5
157.5°	31.9
160°	29.6
162.5°	28.0
165°	25.6
167.5°	22.4
170°	18.4
172.5°	14.4
175°	9.6
177.5°	4.8
180°	2.4



TEST NUMBER: P1245484

CATALOG NUMBER: PRLX-UNA-S-935-09L-U-PS

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	9.6	10.6	10.4	11.5	12.5	9.6	10.6	10.4	11.5	12.5
	3H	12.0	13.0	12.8	13.8	14.9	12.0	13.0	12.8	13.8	14.9
	4H	13.2	14.1	14.0	15.0	16.0	13.2	14.1	14.0	15.0	16.0
	6H	14.3	15.2	15.1	16.0	17.1	14.3	15.2	15.1	16.0	17.1
	8H	14.8	15.6	15.6	16.5	17.6	14.8	15.6	15.6	16.5	17.6
	12H	15.3	16.1	16.1	17.0	18.0	15.3	16.1	16.1	17.0	18.0
4H	2H	10.2	11.1	11.0	12.0	13.0	10.2	11.1	11.0	12.0	13.0
	3H	12.9	13.7	13.7	14.5	15.6	12.9	13.7	13.7	14.5	15.6
	4H	14.2	14.9	15.0	15.8	16.9	14.2	14.9	15.0	15.8	16.9
	6H	15.5	16.1	16.3	17.0	18.1	15.5	16.1	16.3	17.0	18.1
	8H	16.0	16.7	16.9	17.6	18.7	16.0	16.7	16.9	17.6	18.7
	12H	16.6	17.2	17.5	18.1	19.2	16.6	17.2	17.5	18.1	19.2
8H	4H	14.6	15.2	15.5	16.1	17.2	14.6	15.2	15.5	16.1	17.2
	6H	16.1	16.6	17.0	17.5	18.6	16.1	16.6	17.0	17.5	18.6
	8H	16.8	17.3	17.7	18.2	19.3	16.8	17.3	17.7	18.2	19.3
	12H	17.6	18.0	18.5	18.9	20.1	17.6	18.0	18.5	18.9	20.1
12H	4H	14.7	15.2	15.6	16.1	17.3	14.7	15.2	15.6	16.1	17.3
	6H	16.2	16.7	17.1	17.6	18.7	16.2	16.7	17.1	17.6	18.7
	8H	17.0	17.4	17.9	18.4	19.5	17.0	17.4	17.9	18.4	19.5

(END OF REPORT)