

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: P1245341

Luminaire Tested: PRLX-UNA-L-935-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-935-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

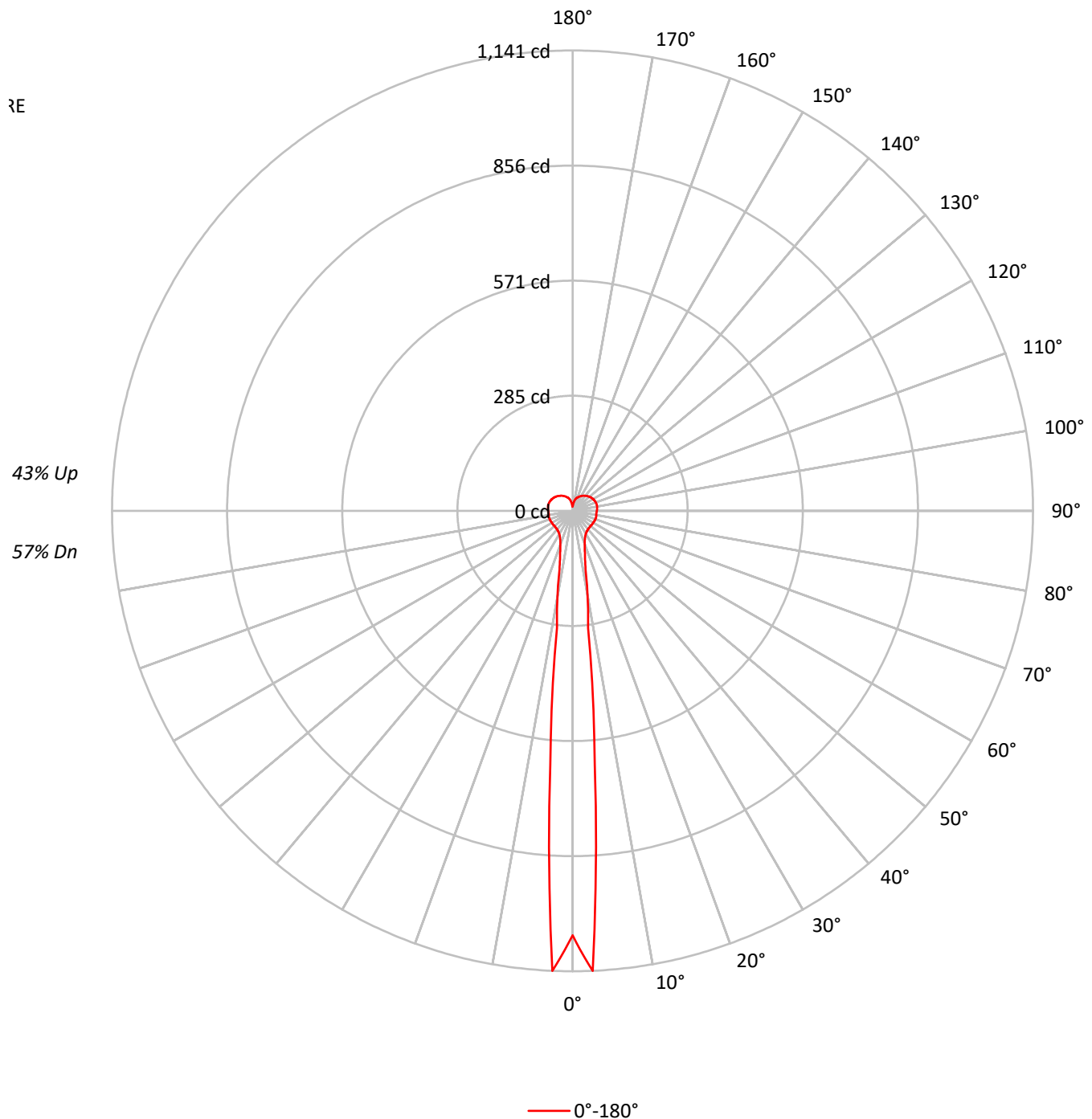
Lumens per Lamp: N/A
Luminaire Lumens: 782.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 22.6
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: P1245341

CATALOG NUMBER: PRLX-UNA-L-935-09L-U-NL

Luminous Intensity Polar Plot



TEST NUMBER: P1245341

CATALOG NUMBER: PRLX-UNA-L-935-09L-U-NL

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	30	10	
RCR																						
0	109	109	109	109		101	101	101	101		87	87	87		74	74	74		62	62	62	
1	96	90	85	80		88	83	79	75		71	68	64		60	57	55		49	47	46	
2	86	77	70	63		80	72	65	59		61	56	51		51	47	44		42	39	37	
3	79	68	59	52		72	63	55	49		54	48	43		45	40	37		37	34	31	
4	72	60	51	44		66	56	48	42		48	41	37		40	35	31		33	30	27	
5	66	54	45	38		61	50	42	36		43	37	32		36	31	28		30	27	23	
6	61	48	40	34		57	45	37	32		39	33	28		33	28	25		28	24	21	
7	57	44	36	30		53	41	34	28		36	30	25		31	26	22		26	22	19	
8	53	41	33	27		49	38	31	26		33	27	23		29	24	20		24	21	18	
9	50	37	30	25		46	35	28	23		31	25	21		27	22	19		23	19	16	
10	47	35	27	22		44	33	26	21		29	23	19		25	21	17		22	18	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33272
5°	15594
10°	4383
15°	2060
20°	1357
25°	1008
30°	830
35°	724
40°	654
45°	614
50°	585
55°	570
60°	559
65°	556
70°	555
75°	558
80°	552
85°	560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 614 cd/sqm

TEST NUMBER: P1245341

CATALOG NUMBER: PRLX-UNA-L-935-09L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	6.0
10°-20°	35.2	4.5
20°-30°	34.2	4.4
30°-40°	39.0	5.0
40°-50°	45.5	5.8
50°-60°	52.8	6.8
60°-70°	59.4	7.6
70°-80°	63.8	8.2
80°-90°	65.1	8.3
90°-100°	66.8	8.5
100°-110°	65.3	8.4
110°-120°	59.7	7.6
120°-130°	50.9	6.5
130°-140°	40.1	5.1
140°-150°	28.7	3.7
150°-160°	18.1	2.3
160°-170°	8.8	1.1
170°-180°	1.8	0.2
0°-30°	116.3	14.9
0°-40°	155.3	19.9
0°-60°	253.6	32.4
0°-90°	441.8	56.5
90°-120°	191.8	24.5
90°-150°	311.5	39.8
90°-180°	340.0	43.5
0°-180°	782.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1052	
5°	632	47
15°	118	35
25°	73	34
35°	62	39
45°	59	46
55°	59	53
65°	60	59
75°	60	64
85°	60	49
90°	60	33
95°	61	50
105°	62	65
115°	60	60
125°	57	51
135°	52	40
145°	46	29
155°	39	18
165°	31	9
175°	16	2
180°	10	

TEST NUMBER: P1245341

CATALOG NUMBER: PRLX-UNA-L-935-09L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1051.7
2.5°	1141.3
5°	632.2
7.5°	293.2
10°	215.5
12.5°	148.4
15°	118.3
17.5°	100.8
20°	88.5
22.5°	79.4
25°	73.1
27.5°	68.9
30°	65.8
32.5°	63.7
35°	61.9
37.5°	60.5
40°	59.5
42.5°	59.1
45°	58.8
47.5°	58.4
50°	58.4
52.5°	58.8
55°	58.8
57.5°	59.1
60°	59.1
62.5°	59.5
65°	59.8
67.5°	60.2
70°	60.2
72.5°	60.5
75°	60.5
77.5°	60.2
80°	59.5
82.5°	59.5
85°	59.5
87.5°	59.8
90°	60.2
92.5°	60.9
95°	61.2
97.5°	61.6
100°	61.9
102.5°	61.9
105°	61.9
107.5°	61.6
110°	61.2

TEST NUMBER: P1245341

CATALOG NUMBER: PRLX-UNA-L-935-09L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.9
115°	60.2
117.5°	59.5
120°	58.8
122.5°	57.7
125°	56.7
127.5°	55.6
130°	54.6
132.5°	53.2
135°	51.8
137.5°	50.4
140°	48.6
142.5°	47.2
145°	45.5
147.5°	44.1
150°	42.3
152.5°	40.6
155°	38.8
157.5°	37.1
160°	35.0
162.5°	33.2
165°	30.8
167.5°	28.0
170°	24.5
172.5°	20.6
175°	16.1
177.5°	11.9
180°	10.5

TEST NUMBER: P1245341

CATALOG NUMBER: PRLX-UNA-L-935-09L-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	5.5	6.5	6.3	7.4	8.6	5.5	6.5	6.3	7.4	8.6
	3H	8.3	9.2	9.2	10.2	11.3	8.3	9.2	9.2	10.2	11.3
	4H	9.7	10.6	10.6	11.5	12.7	9.7	10.6	10.6	11.5	12.7
	6H	11.0	11.9	11.9	12.8	14.0	11.0	11.9	11.9	12.8	14.0
	8H	11.7	12.5	12.6	13.4	14.6	11.7	12.5	12.6	13.4	14.6
	12H	12.3	13.1	13.2	14.0	15.2	12.3	13.1	13.2	14.0	15.2
4H	2H	6.2	7.1	7.1	8.0	9.2	6.2	7.1	7.1	8.0	9.2
	3H	9.2	10.0	10.1	10.9	12.2	9.2	10.0	10.1	10.9	12.2
	4H	10.8	11.5	11.7	12.4	13.7	10.8	11.5	11.7	12.4	13.7
	6H	12.3	12.9	13.2	13.9	15.1	12.3	12.9	13.2	13.9	15.1
	8H	13.0	13.6	13.9	14.6	15.8	13.0	13.6	13.9	14.6	15.8
	12H	13.7	14.3	14.7	15.3	16.5	13.7	14.3	14.7	15.3	16.5
8H	4H	11.2	11.8	12.2	12.8	14.1	11.2	11.8	12.2	12.8	14.1
	6H	12.9	13.5	13.9	14.5	15.7	12.9	13.5	13.9	14.5	15.7
	8H	13.8	14.3	14.8	15.3	16.6	13.8	14.3	14.8	15.3	16.6
	12H	14.7	15.2	15.7	16.1	17.5	14.7	15.2	15.7	16.1	17.5
12H	4H	11.3	11.9	12.3	12.9	14.1	11.3	11.9	12.3	12.9	14.1
	6H	13.1	13.6	14.1	14.6	15.9	13.1	13.6	14.1	14.6	15.9
	8H	14.1	14.5	15.1	15.5	16.8	14.1	14.5	15.1	15.5	16.8

(END OF REPORT)