

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: P1245313

Luminaire Tested: PRLX-UNA-L-930-02L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245313
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-930-02L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

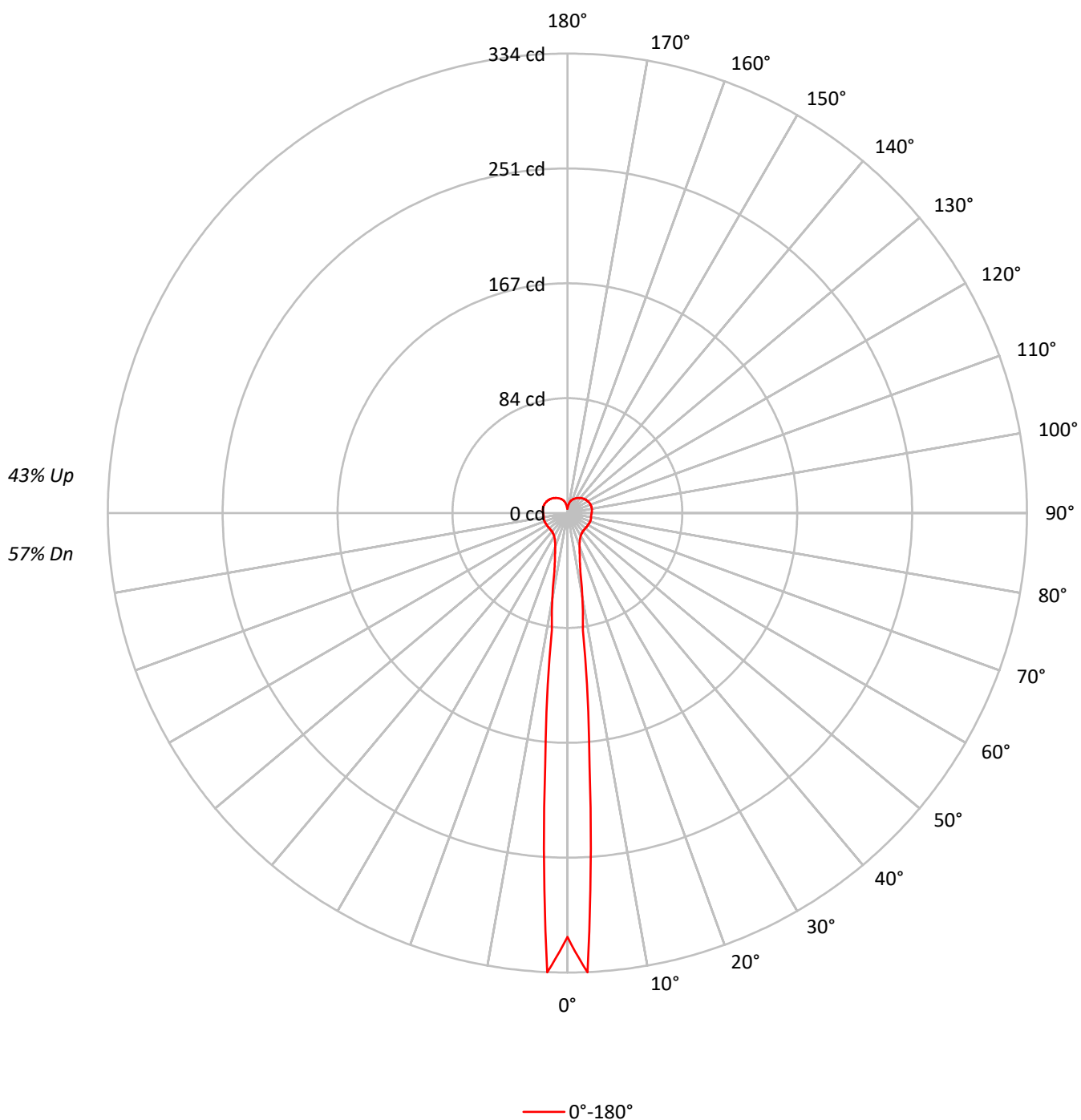
Lumens per Lamp: N/A
Luminaire Lumens: 228.8 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
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: P1245313

CATALOG NUMBER: PRLX-UNA-L-930-02L-U-PS

Luminous Intensity Polar Plot



TEST NUMBER: P1245313

CATALOG NUMBER: PRLX-UNA-L-930-02L-U-PS

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	64		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°	9744
5°	4566
10°	1283
15°	603
20°	397
25°	295
30°	243
35°	212
40°	191
45°	180
50°	171
55°	167
60°	164
65°	163
70°	162
75°	163
80°	161
85°	164

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 180 cd/sqm

TEST NUMBER: P1245313

CATALOG NUMBER: PRLX-UNA-L-930-02L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	6.0
10°-20°	10.3	4.5
20°-30°	10.0	4.4
30°-40°	11.4	5.0
40°-50°	13.3	5.8
50°-60°	15.5	6.8
60°-70°	17.4	7.6
70°-80°	18.6	8.1
80°-90°	19.0	8.3
90°-100°	19.5	8.5
100°-110°	19.1	8.3
110°-120°	17.5	7.6
120°-130°	14.9	6.5
130°-140°	11.8	5.1
140°-150°	8.4	3.7
150°-160°	5.3	2.3
160°-170°	2.6	1.1
170°-180°	0.5	0.2
0°-30°	34.1	14.9
0°-40°	45.5	19.9
0°-60°	74.2	32.4
0°-90°	129.3	56.5
90°-120°	56.1	24.5
90°-150°	91.1	39.8
90°-180°	100.0	43.7
0°-180°	228.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	308	
5°	185	14
15°	35	10
25°	21	10
35°	18	11
45°	17	13
55°	17	15
65°	18	17
75°	18	19
85°	17	14
90°	18	10
95°	18	15
105°	18	19
115°	18	17
125°	17	15
135°	15	12
145°	13	8
155°	11	5
165°	9	3
175°	5	1
180°	3	

TEST NUMBER: P1245313

CATALOG NUMBER: PRLX-UNA-L-930-02L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	308.0
2.5°	334.2
5°	185.1
7.5°	85.9
10°	63.1
12.5°	43.4
15°	34.6
17.5°	29.5
20°	25.9
22.5°	23.3
25°	21.4
27.5°	20.2
30°	19.3
32.5°	18.6
35°	18.1
37.5°	17.7
40°	17.4
42.5°	17.3
45°	17.2
47.5°	17.1
50°	17.1
52.5°	17.2
55°	17.2
57.5°	17.3
60°	17.3
62.5°	17.4
65°	17.5
67.5°	17.6
70°	17.6
72.5°	17.7
75°	17.7
77.5°	17.6
80°	17.4
82.5°	17.4
85°	17.4
87.5°	17.5
90°	17.6
92.5°	17.8
95°	17.9
97.5°	18.0
100°	18.1
102.5°	18.1
105°	18.1
107.5°	18.0
110°	17.9

TEST NUMBER: P1245313

CATALOG NUMBER: PRLX-UNA-L-930-02L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	17.8
115°	17.6
117.5°	17.4
120°	17.2
122.5°	16.9
125°	16.6
127.5°	16.3
130°	16.0
132.5°	15.6
135°	15.2
137.5°	14.8
140°	14.2
142.5°	13.8
145°	13.3
147.5°	12.9
150°	12.4
152.5°	11.9
155°	11.4
157.5°	10.9
160°	10.2
162.5°	9.7
165°	9.0
167.5°	8.2
170°	7.2
172.5°	6.0
175°	4.7
177.5°	3.5
180°	3.1

TEST NUMBER: P1245313

CATALOG NUMBER: PRLX-UNA-L-930-02L-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	1.2	2.2	2.1	3.1	4.3	1.2	2.2	2.1	3.1	4.3
	3H	4.0	5.0	4.9	5.9	7.1	4.0	5.0	4.9	5.9	7.1
	4H	5.4	6.3	6.3	7.2	8.4	5.4	6.3	6.3	7.2	8.4
	6H	6.8	7.6	7.7	8.5	9.7	6.8	7.6	7.7	8.5	9.7
	8H	7.4	8.2	8.3	9.1	10.3	7.4	8.2	8.3	9.1	10.3
	12H	8.0	8.8	8.9	9.7	11.0	8.0	8.8	8.9	9.7	11.0
4H	2H	1.9	2.8	2.8	3.7	4.9	1.9	2.8	2.8	3.7	4.9
	3H	5.0	5.7	5.9	6.7	7.9	5.0	5.7	5.9	6.7	7.9
	4H	6.5	7.2	7.4	8.1	9.4	6.5	7.2	7.4	8.1	9.4
	6H	8.0	8.6	8.9	9.6	10.8	8.0	8.6	8.9	9.6	10.8
	8H	8.7	9.3	9.7	10.3	11.5	8.7	9.3	9.7	10.3	11.5
	12H	9.5	10.0	10.4	11.0	12.2	9.5	10.0	10.4	11.0	12.2
8H	4H	7.0	7.6	7.9	8.5	9.8	7.0	7.6	7.9	8.5	9.8
	6H	8.7	9.2	9.6	10.2	11.4	8.7	9.2	9.6	10.2	11.4
	8H	9.6	10.0	10.5	11.0	12.3	9.6	10.0	10.5	11.0	12.3
	12H	10.5	10.9	11.4	11.9	13.2	10.5	10.9	11.4	11.9	13.2
12H	4H	7.1	7.6	8.0	8.6	9.9	7.1	7.6	8.0	8.6	9.9
	6H	8.9	9.3	9.8	10.3	11.6	8.9	9.3	9.8	10.3	11.6
	8H	9.8	10.2	10.8	11.2	12.5	9.8	10.2	10.8	11.2	12.5

(END OF REPORT)