

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: P1245306

Luminaire Tested: PRLX-UNA-L-927-23L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245306
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-927-23L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

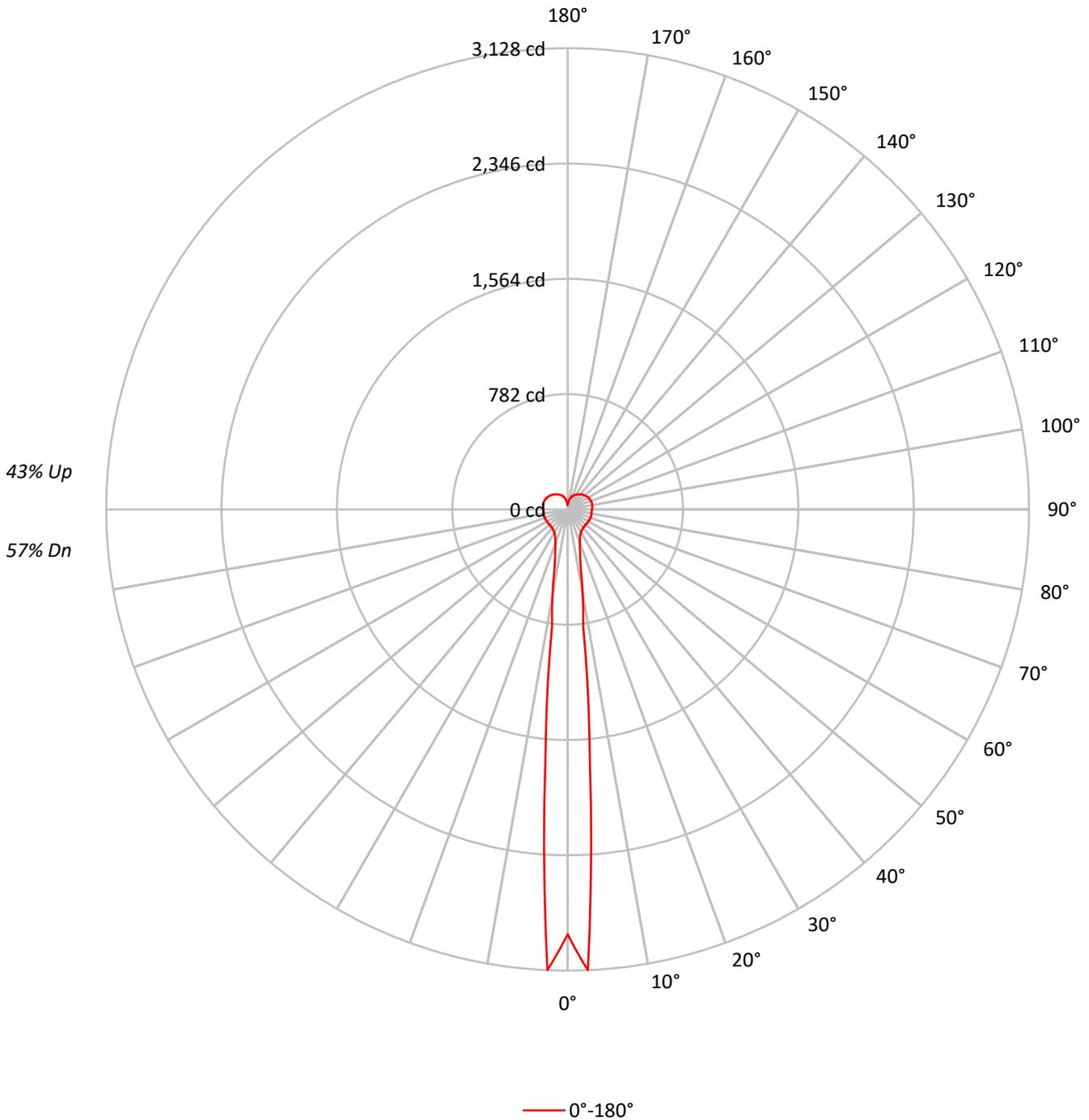
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2143.0 lumens
Efficiency: N/A
Efficacy: 36.8 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): 58.2
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: P1245306
CATALOG NUMBER: PRLX-UNA-L-927-23L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1245306

CATALOG NUMBER: PRLX-UNA-L-927-23L-U-OW

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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	57
1	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91182
5°	42736
10°	12013
15°	5645
20°	3719
25°	2762
30°	2273
35°	1986
40°	1792
45°	1682
50°	1603
55°	1561
60°	1532
65°	1526
70°	1521
75°	1529
80°	1512
85°	1534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1682 cd/sqm



TEST NUMBER: P1245306

CATALOG NUMBER: PRLX-UNA-L-927-23L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	6.0
10°-20°	96.3	4.5
20°-30°	93.9	4.4
30°-40°	106.9	5.0
40°-50°	124.8	5.8
50°-60°	144.7	6.8
60°-70°	162.6	7.6
70°-80°	174.7	8.2
80°-90°	178.4	8.3
90°-100°	182.9	8.5
100°-110°	179.0	8.4
110°-120°	163.6	7.6
120°-130°	139.5	6.5
130°-140°	110.0	5.1
140°-150°	78.6	3.7
150°-160°	49.5	2.3
160°-170°	24.1	1.1
170°-180°	5.0	0.2
0°-30°	318.7	14.9
0°-40°	425.5	19.9
0°-60°	695.1	32.4
0°-90°	1210.8	56.5
90°-120°	525.6	24.5
90°-150°	853.7	39.8
90°-180°	932.0	43.5
0°-180°	2143.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2882	
5°	1733	128
15°	324	96
25°	200	94
35°	170	107
45°	161	125
55°	161	145
65°	164	163
75°	166	175
85°	163	133
90°	165	91
95°	168	137
105°	170	179
115°	165	164
125°	155	139
135°	142	110
145°	125	79
155°	106	49
165°	84	24
175°	44	5
180°	29	

TEST NUMBER: P1245306

CATALOG NUMBER: PRLX-UNA-L-927-23L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2882.2
2.5°	3127.7
5°	1732.6
7.5°	803.5
10°	590.6
12.5°	406.5
15°	324.1
17.5°	276.1
20°	242.6
22.5°	217.7
25°	200.4
27.5°	188.9
30°	180.3
32.5°	174.5
35°	169.7
37.5°	165.9
40°	163.0
42.5°	162.0
45°	161.1
47.5°	160.1
50°	160.1
52.5°	161.1
55°	161.1
57.5°	162.0
60°	162.0
62.5°	163.0
65°	164.0
67.5°	164.9
70°	164.9
72.5°	165.9
75°	165.9
77.5°	164.9
80°	163.0
82.5°	163.0
85°	163.0
87.5°	164.0
90°	164.9
92.5°	166.8
95°	167.8
97.5°	168.8
100°	169.7
102.5°	169.7
105°	169.7
107.5°	168.8
110°	167.8

TEST NUMBER: P1245306

CATALOG NUMBER: PRLX-UNA-L-927-23L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	166.8
115°	164.9
117.5°	163.0
120°	161.1
122.5°	158.2
125°	155.3
127.5°	152.5
130°	149.6
132.5°	145.7
135°	141.9
137.5°	138.1
140°	133.3
142.5°	129.4
145°	124.6
147.5°	120.8
150°	116.0
152.5°	111.2
155°	106.4
157.5°	101.6
160°	95.9
162.5°	91.1
165°	84.4
167.5°	76.7
170°	67.1
172.5°	56.6
175°	44.1
177.5°	32.6
180°	28.8



TEST NUMBER: P1245306

CATALOG NUMBER: PRLX-UNA-L-927-23L-U-OW

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	9.0	10.0	9.8	10.9	12.1	9.0	10.0	9.8	10.9	12.1
	3H	11.8	12.7	12.7	13.7	14.8	11.8	12.7	12.7	13.7	14.8
	4H	13.2	14.1	14.1	15.0	16.2	13.2	14.1	14.1	15.0	16.2
	6H	14.5	15.4	15.4	16.3	17.5	14.5	15.4	15.4	16.3	17.5
	8H	15.2	16.0	16.1	16.9	18.1	15.2	16.0	16.1	16.9	18.1
	12H	15.8	16.6	16.7	17.5	18.7	15.8	16.6	16.7	17.5	18.7
4H	2H	9.7	10.6	10.6	11.5	12.7	9.7	10.6	10.6	11.5	12.7
	3H	12.7	13.5	13.6	14.5	15.7	12.7	13.5	13.6	14.5	15.7
	4H	14.3	15.0	15.2	15.9	17.2	14.3	15.0	15.2	15.9	17.2
	6H	15.8	16.4	16.7	17.4	18.6	15.8	16.4	16.7	17.4	18.6
	8H	16.5	17.1	17.4	18.1	19.3	16.5	17.1	17.4	18.1	19.3
	12H	17.2	17.8	18.2	18.8	20.0	17.2	17.8	18.2	18.8	20.0
8H	4H	14.7	15.3	15.7	16.3	17.6	14.7	15.3	15.7	16.3	17.6
	6H	16.5	17.0	17.4	18.0	19.2	16.5	17.0	17.4	18.0	19.2
	8H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1
	12H	18.2	18.7	19.2	19.6	21.0	18.2	18.7	19.2	19.6	21.0
12H	4H	14.8	15.4	15.8	16.4	17.6	14.8	15.4	15.8	16.4	17.6
	6H	16.6	17.1	17.6	18.1	19.4	16.6	17.1	17.6	18.1	19.4
	8H	17.6	18.0	18.6	19.0	20.3	17.6	18.0	18.6	19.0	20.3

(END OF REPORT)