

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: P1245327

Luminaire Tested: PRLX-UNA-L-930-20L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245327
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-930-20L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

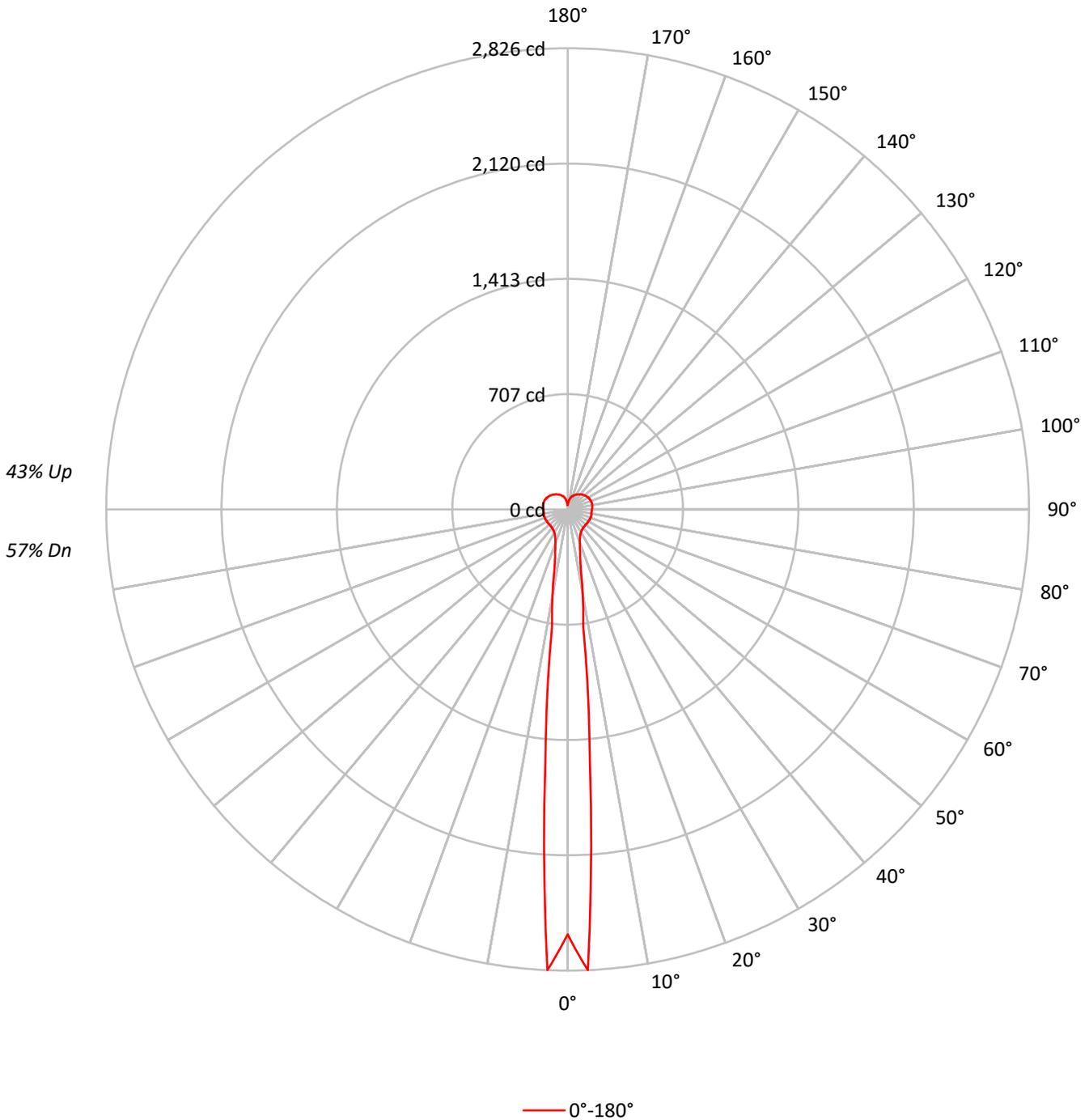
Lumens per Lamp: N/A
Luminaire Lumens: 1936.1 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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: P1245327

CATALOG NUMBER: PRLX-UNA-L-930-20L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1245327

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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°	82375
5°	38607
10°	10853
15°	5100
20°	3361
25°	2495
30°	2053
35°	1794
40°	1619
45°	1519
50°	1449
55°	1410
60°	1384
65°	1378
70°	1374
75°	1381
80°	1367
85°	1387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1519 cd/sqm

TEST NUMBER: P1245327

CATALOG NUMBER: PRLX-UNA-L-930-20L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	6.0
10°-20°	87.0	4.5
20°-30°	84.8	4.4
30°-40°	96.5	5.0
40°-50°	112.8	5.8
50°-60°	130.8	6.8
60°-70°	147.0	7.6
70°-80°	157.9	8.2
80°-90°	161.2	8.3
90°-100°	165.3	8.5
100°-110°	161.7	8.4
110°-120°	147.8	7.6
120°-130°	126.0	6.5
130°-140°	99.3	5.1
140°-150°	71.1	3.7
150°-160°	44.7	2.3
160°-170°	21.7	1.1
170°-180°	4.5	0.2
0°-30°	287.9	14.9
0°-40°	384.4	19.9
0°-60°	628.0	32.4
0°-90°	1093.9	56.5
90°-120°	474.9	24.5
90°-150°	771.2	39.8
90°-180°	842.0	43.5
0°-180°	1936.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2604	
5°	1565	116
15°	293	87
25°	181	85
35°	153	97
45°	146	113
55°	146	131
65°	148	147
75°	150	158
85°	147	120
90°	149	82
95°	152	124
105°	153	162
115°	149	148
125°	140	126
135°	128	99
145°	113	71
155°	96	45
165°	76	22
175°	40	4
180°	26	

TEST NUMBER: P1245327

CATALOG NUMBER: PRLX-UNA-L-930-20L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2603.8
2.5°	2825.6
5°	1565.2
7.5°	725.9
10°	533.6
12.5°	367.3
15°	292.8
17.5°	249.5
20°	219.2
22.5°	196.6
25°	181.0
27.5°	170.6
30°	162.8
32.5°	157.6
35°	153.3
37.5°	149.9
40°	147.3
42.5°	146.4
45°	145.5
47.5°	144.7
50°	144.7
52.5°	145.5
55°	145.5
57.5°	146.4
60°	146.4
62.5°	147.3
65°	148.1
67.5°	149.0
70°	149.0
72.5°	149.9
75°	149.9
77.5°	149.0
80°	147.3
82.5°	147.3
85°	147.3
87.5°	148.1
90°	149.0
92.5°	150.7
95°	151.6
97.5°	152.5
100°	153.3
102.5°	153.3
105°	153.3
107.5°	152.5
110°	151.6

TEST NUMBER: P1245327

CATALOG NUMBER: PRLX-UNA-L-930-20L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.7
115°	149.0
117.5°	147.3
120°	145.5
122.5°	142.9
125°	140.3
127.5°	137.7
130°	135.1
132.5°	131.7
135°	128.2
137.5°	124.7
140°	120.4
142.5°	116.9
145°	112.6
147.5°	109.1
150°	104.8
152.5°	100.5
155°	96.1
157.5°	91.8
160°	86.6
162.5°	82.3
165°	76.2
167.5°	69.3
170°	60.6
172.5°	51.1
175°	39.8
177.5°	29.5
180°	26.0



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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	8.6	9.6	9.5	10.5	11.7	8.6	9.6	9.5	10.5	11.7
	3H	11.5	12.4	12.3	13.3	14.5	11.5	12.4	12.3	13.3	14.5
	4H	12.8	13.7	13.7	14.6	15.8	12.8	13.7	13.7	14.6	15.8
	6H	14.2	15.0	15.1	15.9	17.2	14.2	15.0	15.1	15.9	17.2
	8H	14.8	15.6	15.7	16.6	17.8	14.8	15.6	15.7	16.6	17.8
	12H	15.4	16.2	16.4	17.1	18.4	15.4	16.2	16.4	17.1	18.4
4H	2H	9.3	10.2	10.2	11.2	12.4	9.3	10.2	10.2	11.2	12.4
	3H	12.4	13.1	13.3	14.1	15.3	12.4	13.1	13.3	14.1	15.3
	4H	13.9	14.6	14.8	15.6	16.8	13.9	14.6	14.8	15.6	16.8
	6H	15.4	16.0	16.3	17.0	18.3	15.4	16.0	16.3	17.0	18.3
	8H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
	12H	16.9	17.4	17.8	18.4	19.7	16.9	17.4	17.8	18.4	19.7
8H	4H	14.4	15.0	15.3	16.0	17.2	14.4	15.0	15.3	16.0	17.2
	6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	8H	17.0	17.4	18.0	18.4	19.7	17.0	17.4	18.0	18.4	19.7
	12H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6
12H	4H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	6H	16.3	16.7	17.3	17.7	19.0	16.3	16.7	17.3	17.7	19.0
	8H	17.2	17.6	18.2	18.6	19.9	17.2	17.6	18.2	18.6	19.9

(END OF REPORT)