

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: P1245328

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245328
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-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

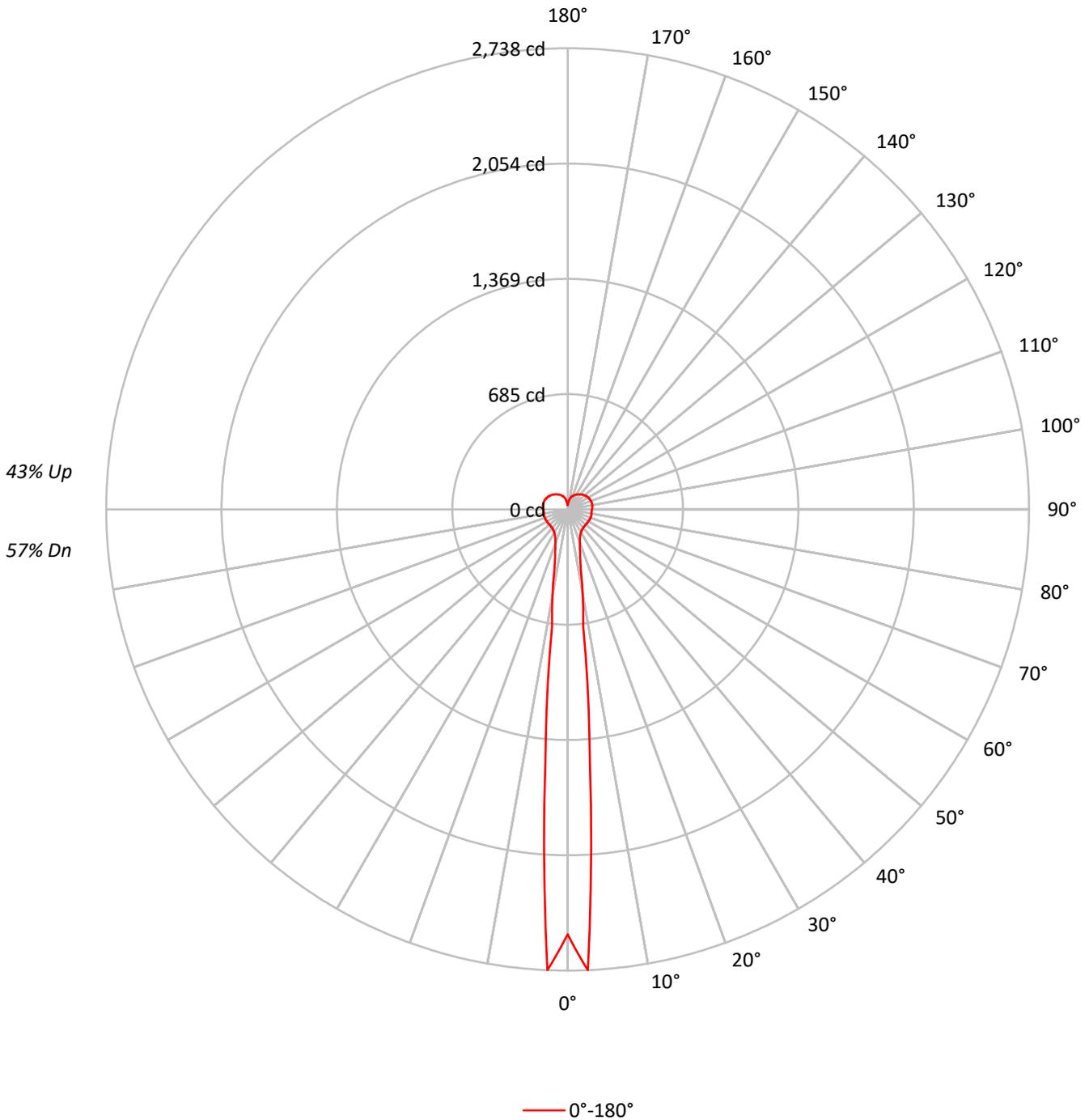
Lumens per Lamp: N/A
Luminaire Lumens: 1876.1 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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

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Luminous Intensity Polar Plot





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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°	79822
5°	37411
10°	10516
15°	4941
20°	3256
25°	2418
30°	1990
35°	1739
40°	1569
45°	1472
50°	1404
55°	1366
60°	1342
65°	1335
70°	1332
75°	1338
80°	1324
85°	1343

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1472 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	6.0
10°-20°	84.3	4.5
20°-30°	82.2	4.4
30°-40°	93.5	5.0
40°-50°	109.3	5.8
50°-60°	126.7	6.8
60°-70°	142.4	7.6
70°-80°	153.0	8.2
80°-90°	156.1	8.3
90°-100°	160.1	8.5
100°-110°	156.7	8.4
110°-120°	143.2	7.6
120°-130°	122.1	6.5
130°-140°	96.3	5.1
140°-150°	68.9	3.7
150°-160°	43.3	2.3
160°-170°	21.1	1.1
170°-180°	4.3	0.2
0°-30°	279.0	14.9
0°-40°	372.5	19.9
0°-60°	608.5	32.4
0°-90°	1060.0	56.5
90°-120°	460.1	24.5
90°-150°	747.4	39.8
90°-180°	816.0	43.5
0°-180°	1876.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2523	
5°	1517	112
15°	284	84
25°	175	82
35°	149	94
45°	141	109
55°	141	127
65°	144	142
75°	145	153
85°	143	117
90°	144	79
95°	147	120
105°	149	157
115°	144	143
125°	136	122
135°	124	96
145°	109	69
155°	93	43
165°	74	21
175°	39	4
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2523.1
2.5°	2738.0
5°	1516.7
7.5°	703.4
10°	517.0
12.5°	355.9
15°	283.7
17.5°	241.7
20°	212.4
22.5°	190.5
25°	175.4
27.5°	165.4
30°	157.8
32.5°	152.8
35°	148.6
37.5°	145.2
40°	142.7
42.5°	141.9
45°	141.0
47.5°	140.2
50°	140.2
52.5°	141.0
55°	141.0
57.5°	141.9
60°	141.9
62.5°	142.7
65°	143.5
67.5°	144.4
70°	144.4
72.5°	145.2
75°	145.2
77.5°	144.4
80°	142.7
82.5°	142.7
85°	142.7
87.5°	143.5
90°	144.4
92.5°	146.0
95°	146.9
97.5°	147.7
100°	148.6
102.5°	148.6
105°	148.6
107.5°	147.7
110°	146.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.0
115°	144.4
117.5°	142.7
120°	141.0
122.5°	138.5
125°	136.0
127.5°	133.5
130°	130.9
132.5°	127.6
135°	124.2
137.5°	120.9
140°	116.7
142.5°	113.3
145°	109.1
147.5°	105.8
150°	101.6
152.5°	97.4
155°	93.2
157.5°	89.0
160°	83.9
162.5°	79.7
165°	73.9
167.5°	67.1
170°	58.8
172.5°	49.5
175°	38.6
177.5°	28.5
180°	25.2



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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	8.5	9.5	9.4	10.4	11.6	8.5	9.5	9.4	10.4	11.6
	3H	11.3	12.3	12.2	13.2	14.4	11.3	12.3	12.2	13.2	14.4
	4H	12.7	13.6	13.6	14.5	15.7	12.7	13.6	13.6	14.5	15.7
	6H	14.1	14.9	15.0	15.8	17.0	14.1	14.9	15.0	15.8	17.0
	8H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
	12H	15.3	16.1	16.3	17.0	18.3	15.3	16.1	16.3	17.0	18.3
4H	2H	9.2	10.1	10.1	11.0	12.2	9.2	10.1	10.1	11.0	12.2
	3H	12.3	13.0	13.2	14.0	15.2	12.3	13.0	13.2	14.0	15.2
	4H	13.8	14.5	14.7	15.5	16.7	13.8	14.5	14.7	15.5	16.7
	6H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	8H	16.0	16.6	17.0	17.6	18.9	16.0	16.6	17.0	17.6	18.9
	12H	16.8	17.3	17.7	18.3	19.6	16.8	17.3	17.7	18.3	19.6
8H	4H	14.3	14.9	15.2	15.9	17.1	14.3	14.9	15.2	15.9	17.1
	6H	16.0	16.5	17.0	17.5	18.8	16.0	16.5	17.0	17.5	18.8
	8H	16.9	17.3	17.8	18.3	19.6	16.9	17.3	17.8	18.3	19.6
	12H	17.8	18.2	18.8	19.2	20.5	17.8	18.2	18.8	19.2	20.5
12H	4H	14.4	14.9	15.3	15.9	17.2	14.4	14.9	15.3	15.9	17.2
	6H	16.2	16.6	17.1	17.6	18.9	16.2	16.6	17.1	17.6	18.9
	8H	17.1	17.5	18.1	18.5	19.8	17.1	17.5	18.1	18.5	19.8

(END OF REPORT)