

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: P1245331

Luminaire Tested: PRLX-UNA-L-930-23L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245331
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-930-23L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

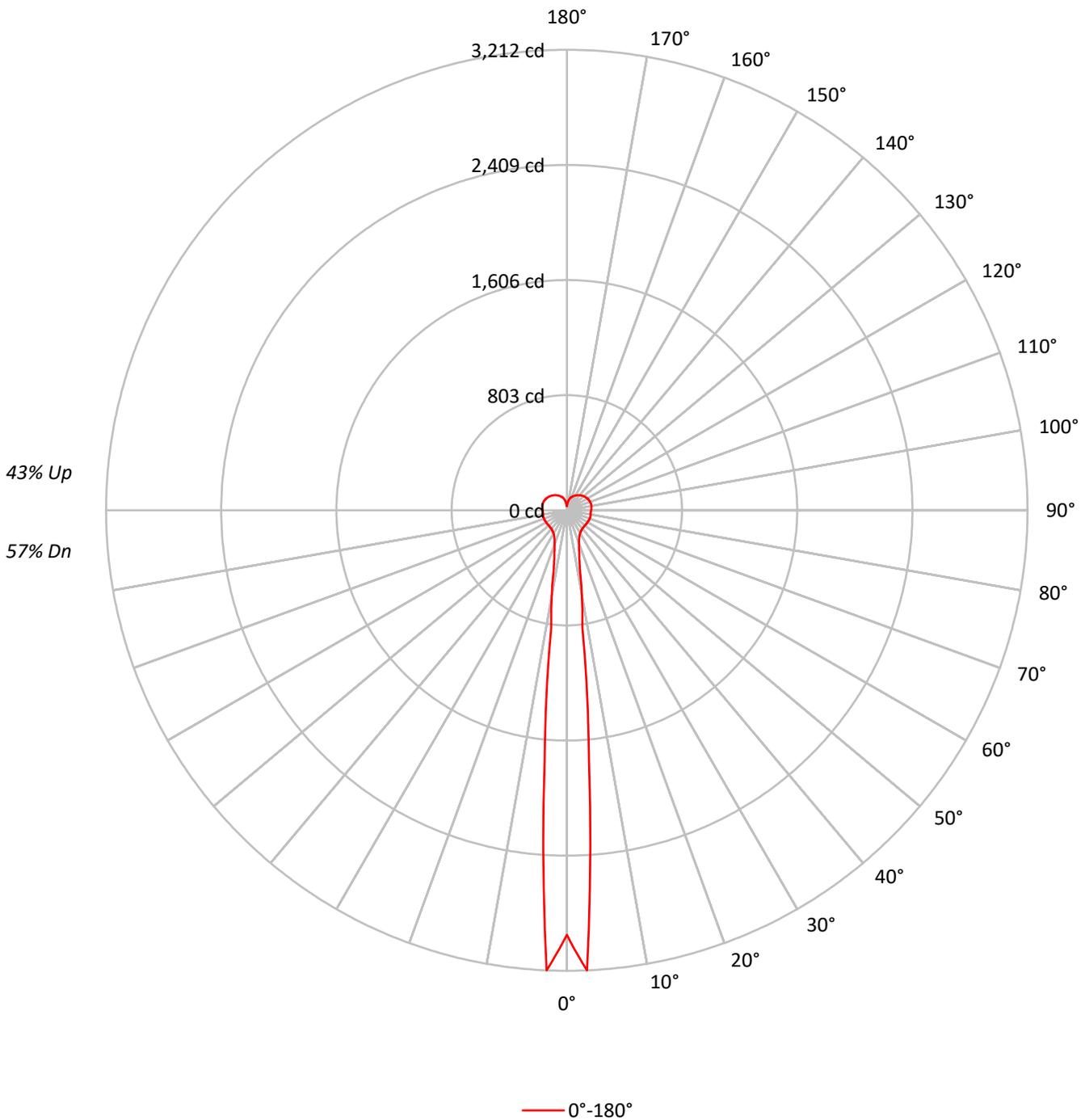
Lumens per Lamp: N/A
Luminaire Lumens: 2201.0 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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

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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°	93650
5°	43893
10°	12338
15°	5798
20°	3819
25°	2837
30°	2334
35°	2039
40°	1840
45°	1727
50°	1647
55°	1603
60°	1573
65°	1567
70°	1563
75°	1570
80°	1553
85°	1576

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1727 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	6.0
10°-20°	98.9	4.5
20°-30°	96.4	4.4
30°-40°	109.7	5.0
40°-50°	128.2	5.8
50°-60°	148.6	6.8
60°-70°	167.1	7.6
70°-80°	179.5	8.2
80°-90°	183.2	8.3
90°-100°	187.9	8.5
100°-110°	183.9	8.4
110°-120°	168.1	7.6
120°-130°	143.2	6.5
130°-140°	112.9	5.1
140°-150°	80.8	3.7
150°-160°	50.8	2.3
160°-170°	24.7	1.1
170°-180°	5.1	0.2
0°-30°	327.3	14.9
0°-40°	437.0	19.9
0°-60°	713.9	32.4
0°-90°	1243.6	56.5
90°-120°	539.8	24.5
90°-150°	876.8	39.8
90°-180°	957.0	43.5
0°-180°	2201.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2960	
5°	1780	132
15°	333	99
25°	206	96
35°	174	110
45°	165	128
55°	165	149
65°	168	167
75°	170	179
85°	167	137
90°	169	93
95°	172	141
105°	174	184
115°	169	168
125°	160	143
135°	146	113
145°	128	81
155°	109	51
165°	87	25
175°	45	5
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2960.2
2.5°	3212.3
5°	1779.5
7.5°	825.2
10°	606.6
12.5°	417.5
15°	332.9
17.5°	283.6
20°	249.1
22.5°	223.5
25°	205.8
27.5°	194.0
30°	185.1
32.5°	179.2
35°	174.3
37.5°	170.4
40°	167.4
42.5°	166.4
45°	165.4
47.5°	164.5
50°	164.5
52.5°	165.4
55°	165.4
57.5°	166.4
60°	166.4
62.5°	167.4
65°	168.4
67.5°	169.4
70°	169.4
72.5°	170.4
75°	170.4
77.5°	169.4
80°	167.4
82.5°	167.4
85°	167.4
87.5°	168.4
90°	169.4
92.5°	171.4
95°	172.3
97.5°	173.3
100°	174.3
102.5°	174.3
105°	174.3
107.5°	173.3
110°	172.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	171.4
115°	169.4
117.5°	167.4
120°	165.4
122.5°	162.5
125°	159.5
127.5°	156.6
130°	153.6
132.5°	149.7
135°	145.7
137.5°	141.8
140°	136.9
142.5°	132.9
145°	128.0
147.5°	124.1
150°	119.2
152.5°	114.2
155°	109.3
157.5°	104.4
160°	98.5
162.5°	93.6
165°	86.7
167.5°	78.8
170°	68.9
172.5°	58.1
175°	45.3
177.5°	33.5
180°	29.5



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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	9.1	10.1	9.9	11.0	12.2	9.1	10.1	9.9	11.0	12.2
	3H	11.9	12.8	12.8	13.8	14.9	11.9	12.8	12.8	13.8	14.9
	4H	13.3	14.2	14.2	15.1	16.3	13.3	14.2	14.2	15.1	16.3
	6H	14.6	15.4	15.5	16.4	17.6	14.6	15.4	15.5	16.4	17.6
	8H	15.3	16.1	16.2	17.0	18.2	15.3	16.1	16.2	17.0	18.2
	12H	15.9	16.6	16.8	17.6	18.8	15.9	16.6	16.8	17.6	18.8
4H	2H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	3H	12.8	13.6	13.7	14.5	15.8	12.8	13.6	13.7	14.5	15.8
	4H	14.3	15.1	15.3	16.0	17.3	14.3	15.1	15.3	16.0	17.3
	6H	15.9	16.5	16.8	17.5	18.7	15.9	16.5	16.8	17.5	18.7
	8H	16.6	17.2	17.5	18.2	19.4	16.6	17.2	17.5	18.2	19.4
	12H	17.3	17.9	18.3	18.9	20.1	17.3	17.9	18.3	18.9	20.1
8H	4H	14.8	15.4	15.8	16.4	17.7	14.8	15.4	15.8	16.4	17.7
	6H	16.5	17.1	17.5	18.1	19.3	16.5	17.1	17.5	18.1	19.3
	8H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	12H	18.3	18.7	19.3	19.7	21.1	18.3	18.7	19.3	19.7	21.1
12H	4H	14.9	15.5	15.9	16.5	17.7	14.9	15.5	15.9	16.5	17.7
	6H	16.7	17.2	17.7	18.2	19.5	16.7	17.2	17.7	18.2	19.5
	8H	17.7	18.1	18.7	19.1	20.4	17.7	18.1	18.7	19.1	20.4

(END OF REPORT)