

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: P1244827

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-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

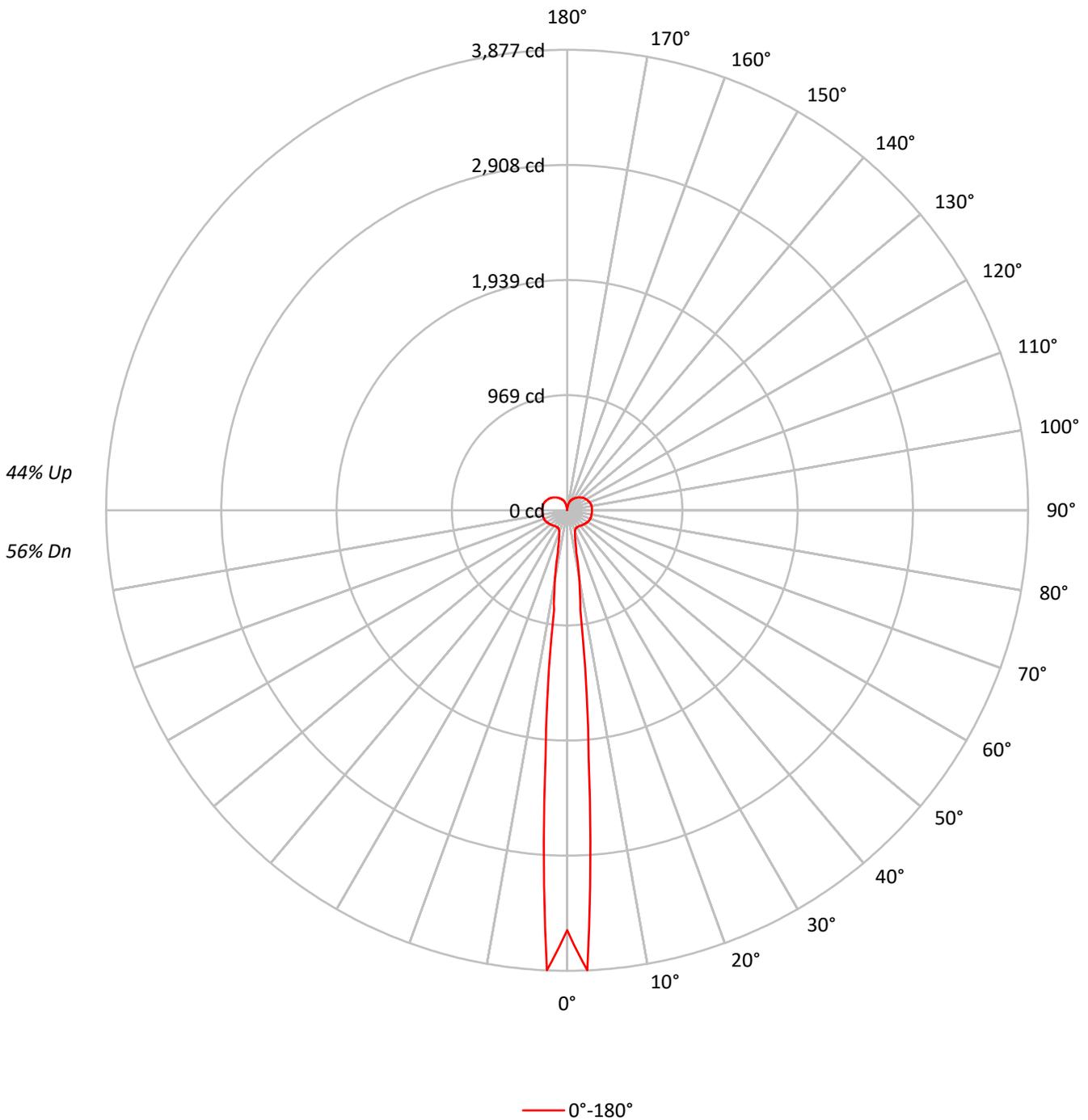
Lumens per Lamp: N/A
Luminaire Lumens: 2438.0 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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: P1244827

CATALOG NUMBER: PRLX-MIN-L-930-23L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1244827

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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	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111800
5°	51268
10°	11952
15°	4563
20°	2947
25°	2345
30°	2083
35°	1948
40°	1884
45°	1853
50°	1838
55°	1851
60°	1864
65°	1890
70°	1908
75°	1929
80°	1931
85°	1970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2015 cd/sqm



TEST NUMBER: P1244827

CATALOG NUMBER: PRLX-MIN-L-930-23L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	6.1
10°-20°	82.1	3.4
20°-30°	80.0	3.3
30°-40°	104.9	4.3
40°-50°	137.6	5.6
50°-60°	171.3	7.0
60°-70°	201.4	8.3
70°-80°	220.3	9.0
80°-90°	227.9	9.3
90°-100°	228.2	9.4
100°-110°	216.9	8.9
110°-120°	191.9	7.9
120°-130°	158.0	6.5
130°-140°	119.2	4.9
140°-150°	80.6	3.3
150°-160°	47.2	1.9
160°-170°	19.4	0.8
170°-180°	1.9	0.1
0°-30°	311.1	12.8
0°-40°	416.0	17.1
0°-60°	724.9	29.7
0°-90°	1374.6	56.4
90°-120°	637.0	26.1
90°-150°	994.9	40.8
90°-180°	1063.0	43.6
0°-180°	2438.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3534	
5°	2078	149
15°	262	82
25°	170	80
35°	166	105
45°	178	138
55°	191	171
65°	203	201
75°	209	220
85°	209	171
90°	209	115
95°	209	171
105°	206	217
115°	193	192
125°	176	158
135°	154	119
145°	127	81
155°	102	47
165°	68	19
175°	10	2
180°	1	

TEST NUMBER: P1244827

CATALOG NUMBER: PRLX-MIN-L-930-23L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3533.9
2.5°	3876.6
5°	2078.5
7.5°	845.8
10°	587.6
12.5°	359.9
15°	262.0
17.5°	217.9
20°	192.2
22.5°	178.7
25°	170.1
27.5°	166.5
30°	165.2
32.5°	165.2
35°	166.5
37.5°	167.7
40°	171.4
42.5°	173.8
45°	177.5
47.5°	181.2
50°	183.6
52.5°	187.3
55°	191.0
57.5°	194.6
60°	197.1
62.5°	200.7
65°	203.2
67.5°	205.6
70°	206.9
72.5°	208.1
75°	209.3
77.5°	208.1
80°	208.1
82.5°	208.1
85°	209.3
87.5°	209.3
90°	209.3
92.5°	209.3
95°	209.3
97.5°	209.3
100°	208.1
102.5°	206.9
105°	205.6
107.5°	203.2
110°	200.7

TEST NUMBER: P1244827

CATALOG NUMBER: PRLX-MIN-L-930-23L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.1
115°	193.4
117.5°	189.7
120°	184.8
122.5°	181.2
125°	176.3
127.5°	171.4
130°	165.2
132.5°	160.4
135°	154.2
137.5°	146.9
140°	140.8
142.5°	134.6
145°	127.3
147.5°	121.2
150°	115.1
152.5°	107.7
155°	101.6
157.5°	94.3
160°	86.9
162.5°	78.3
165°	68.5
167.5°	55.1
170°	37.9
172.5°	23.3
175°	9.8
177.5°	2.4
180°	1.2



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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	9.8	10.8	10.6	11.7	12.9	9.8	10.8	10.6	11.7	12.9
	3H	12.8	13.7	13.6	14.6	15.8	12.8	13.7	13.6	14.6	15.8
	4H	14.2	15.1	15.1	16.0	17.2	14.2	15.1	15.1	16.0	17.2
	6H	15.6	16.4	16.5	17.4	18.6	15.6	16.4	16.5	17.4	18.6
	8H	16.3	17.1	17.2	18.0	19.2	16.3	17.1	17.2	18.0	19.2
	12H	16.9	17.7	17.8	18.6	19.9	16.9	17.7	17.8	18.6	19.9
4H	2H	10.5	11.5	11.4	12.4	13.6	10.5	11.5	11.4	12.4	13.6
	3H	13.7	14.5	14.6	15.5	16.7	13.7	14.5	14.6	15.5	16.7
	4H	15.3	16.0	16.2	17.0	18.2	15.3	16.0	16.2	17.0	18.2
	6H	16.9	17.5	17.8	18.5	19.7	16.9	17.5	17.8	18.5	19.7
	8H	17.6	18.2	18.5	19.2	20.5	17.6	18.2	18.5	19.2	20.5
	12H	18.4	18.9	19.3	19.9	21.2	18.4	18.9	19.3	19.9	21.2
8H	4H	15.8	16.4	16.7	17.4	18.7	15.8	16.4	16.7	17.4	18.7
	6H	17.6	18.1	18.5	19.1	20.4	17.6	18.1	18.5	19.1	20.4
	8H	18.5	19.0	19.4	20.0	21.2	18.5	19.0	19.4	20.0	21.2
	12H	19.4	19.8	20.4	20.8	22.1	19.4	19.8	20.4	20.8	22.1
12H	4H	15.9	16.5	16.9	17.5	18.7	15.9	16.5	16.9	17.5	18.7
	6H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5
	8H	18.7	19.2	19.7	20.2	21.5	18.7	19.2	19.7	20.2	21.5

(END OF REPORT)