

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: P1244826

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244826
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

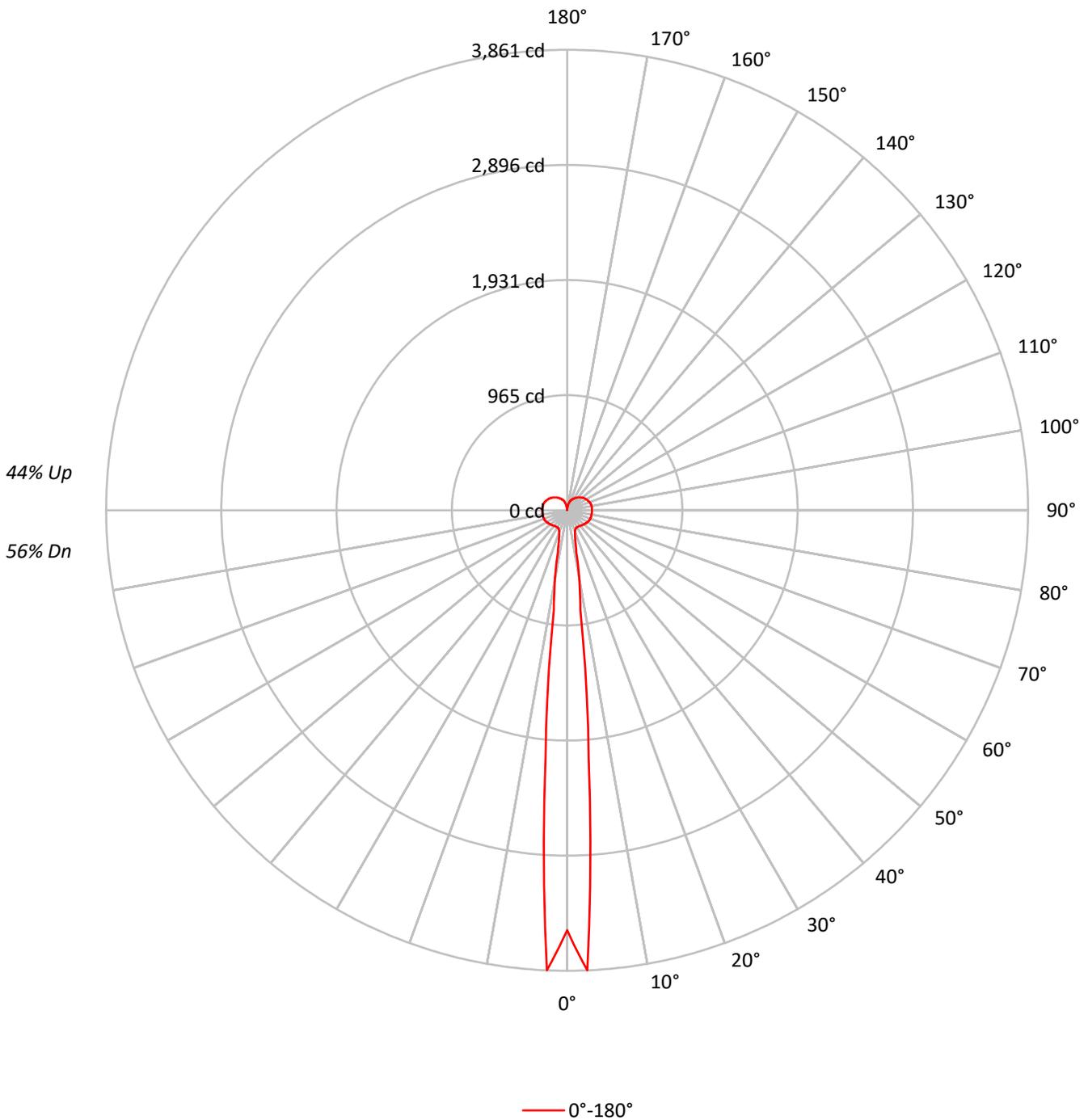
Lumens per Lamp: N/A
Luminaire Lumens: 2428.1 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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: P1244826

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

Luminous Intensity Polar Plot





TEST NUMBER: P1244826

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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°	111341
5°	51059
10°	11901
15°	4544
20°	2934
25°	2335
30°	2075
35°	1940
40°	1876
45°	1846
50°	1831
55°	1843
60°	1856
65°	1883
70°	1900
75°	1922
80°	1922
85°	1963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2007 cd/sqm



TEST NUMBER: P1244826

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	6.1
10°-20°	81.7	3.4
20°-30°	79.6	3.3
30°-40°	104.5	4.3
40°-50°	137.0	5.6
50°-60°	170.6	7.0
60°-70°	200.6	8.3
70°-80°	219.4	9.0
80°-90°	227.0	9.3
90°-100°	227.3	9.4
100°-110°	216.0	8.9
110°-120°	191.2	7.9
120°-130°	157.4	6.5
130°-140°	118.8	4.9
140°-150°	80.3	3.3
150°-160°	47.0	1.9
160°-170°	19.4	0.8
170°-180°	1.9	0.1
0°-30°	309.8	12.8
0°-40°	414.3	17.1
0°-60°	722.0	29.7
0°-90°	1369.0	56.4
90°-120°	634.5	26.1
90°-150°	990.9	40.8
90°-180°	1059.0	43.6
0°-180°	2428.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3519	
5°	2070	148
15°	261	82
25°	169	80
35°	166	105
45°	177	137
55°	190	171
65°	202	201
75°	208	219
85°	208	170
90°	208	114
95°	208	170
105°	205	216
115°	193	191
125°	176	157
135°	154	119
145°	127	80
155°	101	47
165°	68	19
175°	10	2
180°	1	

TEST NUMBER: P1244826

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	3519.4
2.5°	3860.7
5°	2070.0
7.5°	842.4
10°	585.1
12.5°	358.4
15°	260.9
17.5°	217.0
20°	191.4
22.5°	178.0
25°	169.4
27.5°	165.8
30°	164.6
32.5°	164.6
35°	165.8
37.5°	167.0
40°	170.7
42.5°	173.1
45°	176.8
47.5°	180.4
50°	182.9
52.5°	186.5
55°	190.2
57.5°	193.8
60°	196.3
62.5°	199.9
65°	202.4
67.5°	204.8
70°	206.0
72.5°	207.2
75°	208.5
77.5°	207.2
80°	207.2
82.5°	207.2
85°	208.5
87.5°	208.5
90°	208.5
92.5°	208.5
95°	208.5
97.5°	208.5
100°	207.2
102.5°	206.0
105°	204.8
107.5°	202.4
110°	199.9

TEST NUMBER: P1244826

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	196.3
115°	192.6
117.5°	189.0
120°	184.1
122.5°	180.4
125°	175.5
127.5°	170.7
130°	164.6
132.5°	159.7
135°	153.6
137.5°	146.3
140°	140.2
142.5°	134.1
145°	126.8
147.5°	120.7
150°	114.6
152.5°	107.3
155°	101.2
157.5°	93.9
160°	86.6
162.5°	78.0
165°	68.3
167.5°	54.9
170°	37.8
172.5°	23.2
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	9.7	10.8	10.6	11.7	12.9	9.7	10.8	10.6	11.7	12.9
	3H	12.7	13.7	13.6	14.6	15.8	12.7	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	16.2	17.1	17.2	18.0	19.2	16.2	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	11.4	11.4	12.4	13.6	10.5	11.4	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	16.8	17.5	17.8	18.5	19.7	16.8	17.5	17.8	18.5	19.7
	8H	17.6	18.2	18.5	19.2	20.4	17.6	18.2	18.5	19.2	20.4
	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	18.6	15.8	16.4	16.7	17.4	18.6
	6H	17.5	18.1	18.5	19.1	20.3	17.5	18.1	18.5	19.1	20.3
	8H	18.5	18.9	19.4	19.9	21.2	18.5	18.9	19.4	19.9	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	20.1	21.5	18.7	19.2	19.7	20.1	21.5

(END OF REPORT)