

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: P1244823

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244823
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-930-20L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

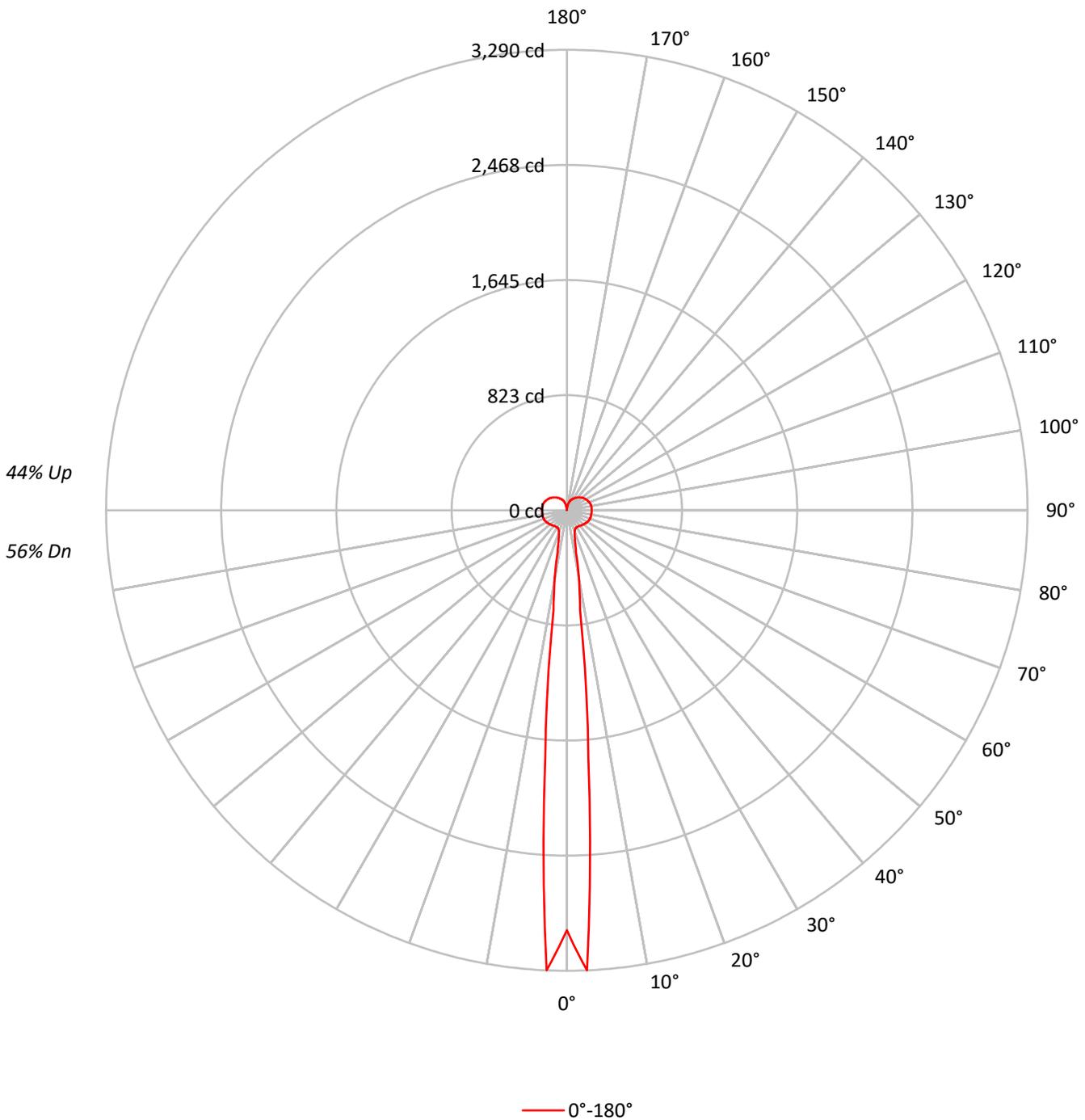
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2068.9 lumens
Efficiency: N/A
Efficacy: 42.6 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): 48.6
Input Voltage (V): NR
Input Current (Ain): 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	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°	94877
5°	43509
10°	10141
15°	3872
20°	2500
25°	1991
30°	1768
35°	1653
40°	1598
45°	1572
50°	1560
55°	1571
60°	1581
65°	1604
70°	1620
75°	1637
80°	1639
85°	1672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1710 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	6.1
10°-20°	69.6	3.4
20°-30°	67.9	3.3
30°-40°	89.0	4.3
40°-50°	116.7	5.6
50°-60°	145.4	7.0
60°-70°	171.0	8.3
70°-80°	187.0	9.0
80°-90°	193.4	9.3
90°-100°	193.6	9.4
100°-110°	184.1	8.9
110°-120°	162.9	7.9
120°-130°	134.1	6.5
130°-140°	101.2	4.9
140°-150°	68.4	3.3
150°-160°	40.0	1.9
160°-170°	16.5	0.8
170°-180°	1.6	0.1
0°-30°	264.0	12.8
0°-40°	353.1	17.1
0°-60°	615.2	29.7
0°-90°	1166.5	56.4
90°-120°	540.6	26.1
90°-150°	844.3	40.8
90°-180°	902.0	43.6
0°-180°	2068.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2999	
5°	1764	127
15°	222	70
25°	144	68
35°	141	89
45°	151	117
55°	162	145
65°	172	171
75°	178	187
85°	178	145
90°	178	97
95°	178	145
105°	174	184
115°	164	163
125°	150	134
135°	131	101
145°	108	68
155°	86	40
165°	58	16
175°	8	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2999.0
2.5°	3289.9
5°	1763.9
7.5°	717.8
10°	498.6
12.5°	305.4
15°	222.3
17.5°	184.9
20°	163.1
22.5°	151.7
25°	144.4
27.5°	141.3
30°	140.2
32.5°	140.2
35°	141.3
37.5°	142.3
40°	145.4
42.5°	147.5
45°	150.6
47.5°	153.7
50°	155.8
52.5°	158.9
55°	162.1
57.5°	165.2
60°	167.2
62.5°	170.4
65°	172.4
67.5°	174.5
70°	175.6
72.5°	176.6
75°	177.6
77.5°	176.6
80°	176.6
82.5°	176.6
85°	177.6
87.5°	177.6
90°	177.6
92.5°	177.6
95°	177.6
97.5°	177.6
100°	176.6
102.5°	175.6
105°	174.5
107.5°	172.4
110°	170.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.2
115°	164.1
117.5°	161.0
120°	156.9
122.5°	153.7
125°	149.6
127.5°	145.4
130°	140.2
132.5°	136.1
135°	130.9
137.5°	124.7
140°	119.5
142.5°	114.3
145°	108.0
147.5°	102.8
150°	97.6
152.5°	91.4
155°	86.2
157.5°	80.0
160°	73.8
162.5°	66.5
165°	58.2
167.5°	46.7
170°	32.2
172.5°	19.7
175°	8.3
177.5°	2.1
180°	1.0



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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	9.2	10.2	10.1	11.1	12.3	9.2	10.2	10.1	11.1	12.3
	3H	12.2	13.1	13.1	14.1	15.3	12.2	13.1	13.1	14.1	15.3
	4H	13.6	14.5	14.5	15.5	16.7	13.6	14.5	14.5	15.5	16.7
	6H	15.0	15.9	15.9	16.8	18.0	15.0	15.9	15.9	16.8	18.0
	8H	15.7	16.5	16.6	17.5	18.7	15.7	16.5	16.6	17.5	18.7
	12H	16.3	17.1	17.3	18.1	19.3	16.3	17.1	17.3	18.1	19.3
4H	2H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	3H	13.1	13.9	14.1	14.9	16.1	13.1	13.9	14.1	14.9	16.1
	4H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
	6H	16.3	16.9	17.2	17.9	19.2	16.3	16.9	17.2	17.9	19.2
	8H	17.0	17.7	18.0	18.6	19.9	17.0	17.7	18.0	18.6	19.9
	12H	17.8	18.4	18.8	19.4	20.6	17.8	18.4	18.8	19.4	20.6
8H	4H	15.2	15.9	16.2	16.8	18.1	15.2	15.9	16.2	16.8	18.1
	6H	17.0	17.5	18.0	18.5	19.8	17.0	17.5	18.0	18.5	19.8
	8H	17.9	18.4	18.9	19.4	20.6	17.9	18.4	18.9	19.4	20.6
	12H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6
12H	4H	15.3	15.9	16.3	16.9	18.2	15.3	15.9	16.3	16.9	18.2
	6H	17.2	17.7	18.1	18.7	19.9	17.2	17.7	18.1	18.7	19.9
	8H	18.2	18.6	19.1	19.6	20.9	18.2	18.6	19.1	19.6	20.9

(END OF REPORT)