

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: P1244824

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244824
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-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

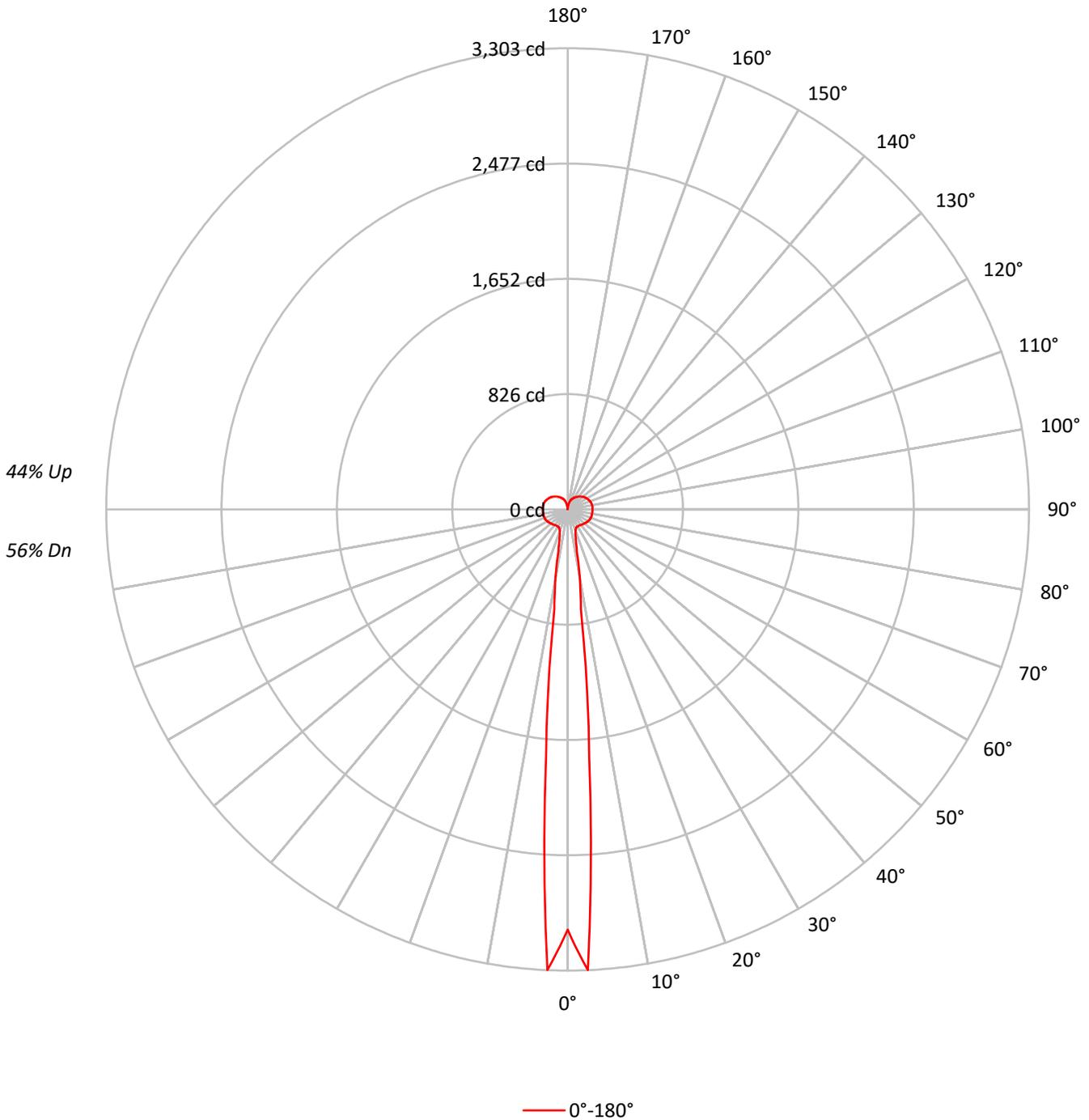
Lumens per Lamp: N/A
Luminaire Lumens: 2077.0 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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	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°	95244
5°	43676
10°	10182
15°	3887
20°	2510
25°	1999
30°	1775
35°	1659
40°	1605
45°	1578
50°	1566
55°	1576
60°	1588
65°	1610
70°	1625
75°	1643
80°	1645
85°	1678

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1717 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	6.1
10°-20°	69.9	3.4
20°-30°	68.1	3.3
30°-40°	89.4	4.3
40°-50°	117.2	5.6
50°-60°	145.9	7.0
60°-70°	171.6	8.3
70°-80°	187.7	9.0
80°-90°	194.1	9.3
90°-100°	194.4	9.4
100°-110°	184.8	8.9
110°-120°	163.5	7.9
120°-130°	134.6	6.5
130°-140°	101.6	4.9
140°-150°	68.6	3.3
150°-160°	40.2	1.9
160°-170°	16.5	0.8
170°-180°	1.6	0.1
0°-30°	265.0	12.8
0°-40°	354.4	17.1
0°-60°	617.6	29.7
0°-90°	1171.0	56.4
90°-120°	542.7	26.1
90°-150°	847.6	40.8
90°-180°	906.0	43.6
0°-180°	2077.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3011	
5°	1771	127
15°	223	70
25°	145	68
35°	142	89
45°	151	117
55°	163	146
65°	173	172
75°	178	188
85°	178	145
90°	178	98
95°	178	146
105°	175	185
115°	165	164
125°	150	135
135°	131	102
145°	108	69
155°	87	40
165°	58	17
175°	8	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3010.6
2.5°	3302.6
5°	1770.7
7.5°	720.6
10°	500.6
12.5°	306.6
15°	223.2
17.5°	185.6
20°	163.7
22.5°	152.3
25°	145.0
27.5°	141.8
30°	140.8
32.5°	140.8
35°	141.8
37.5°	142.9
40°	146.0
42.5°	148.1
45°	151.2
47.5°	154.3
50°	156.4
52.5°	159.6
55°	162.7
57.5°	165.8
60°	167.9
62.5°	171.0
65°	173.1
67.5°	175.2
70°	176.2
72.5°	177.3
75°	178.3
77.5°	177.3
80°	177.3
82.5°	177.3
85°	178.3
87.5°	178.3
90°	178.3
92.5°	178.3
95°	178.3
97.5°	178.3
100°	177.3
102.5°	176.2
105°	175.2
107.5°	173.1
110°	171.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.9
115°	164.8
117.5°	161.6
120°	157.5
122.5°	154.3
125°	150.2
127.5°	146.0
130°	140.8
132.5°	136.6
135°	131.4
137.5°	125.1
140°	119.9
142.5°	114.7
145°	108.5
147.5°	103.2
150°	98.0
152.5°	91.8
155°	86.6
157.5°	80.3
160°	74.0
162.5°	66.7
165°	58.4
167.5°	46.9
170°	32.3
172.5°	19.8
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	11.2	12.3	9.2	10.2	10.1	11.2	12.3
	3H	12.2	13.2	13.1	14.1	15.3	12.2	13.2	13.1	14.1	15.3
	4H	13.6	14.6	14.5	15.5	16.7	13.6	14.6	14.5	15.5	16.7
	6H	15.0	15.9	16.0	16.8	18.0	15.0	15.9	16.0	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	16.4	17.1	17.3	18.1	19.3	16.4	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	13.2	14.0	14.1	14.9	16.1	13.2	14.0	14.1	14.9	16.1
	4H	14.7	15.5	15.7	16.4	17.7	14.7	15.5	15.7	16.4	17.7
	6H	16.3	17.0	17.2	17.9	19.2	16.3	17.0	17.2	17.9	19.2
	8H	17.1	17.7	18.0	18.7	19.9	17.1	17.7	18.0	18.7	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	18.6	19.8	17.0	17.5	18.0	18.6	19.8
	8H	17.9	18.4	18.9	19.4	20.7	17.9	18.4	18.9	19.4	20.7
	12H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6
12H	4H	15.4	15.9	16.3	16.9	18.2	15.4	15.9	16.3	16.9	18.2
	6H	17.2	17.7	18.2	18.7	20.0	17.2	17.7	18.2	18.7	20.0
	8H	18.2	18.6	19.1	19.6	20.9	18.2	18.6	19.1	19.6	20.9

(END OF REPORT)