

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: P1244800

Luminaire Tested: PRLX-MIN-L-927-20L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244800
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-927-20L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

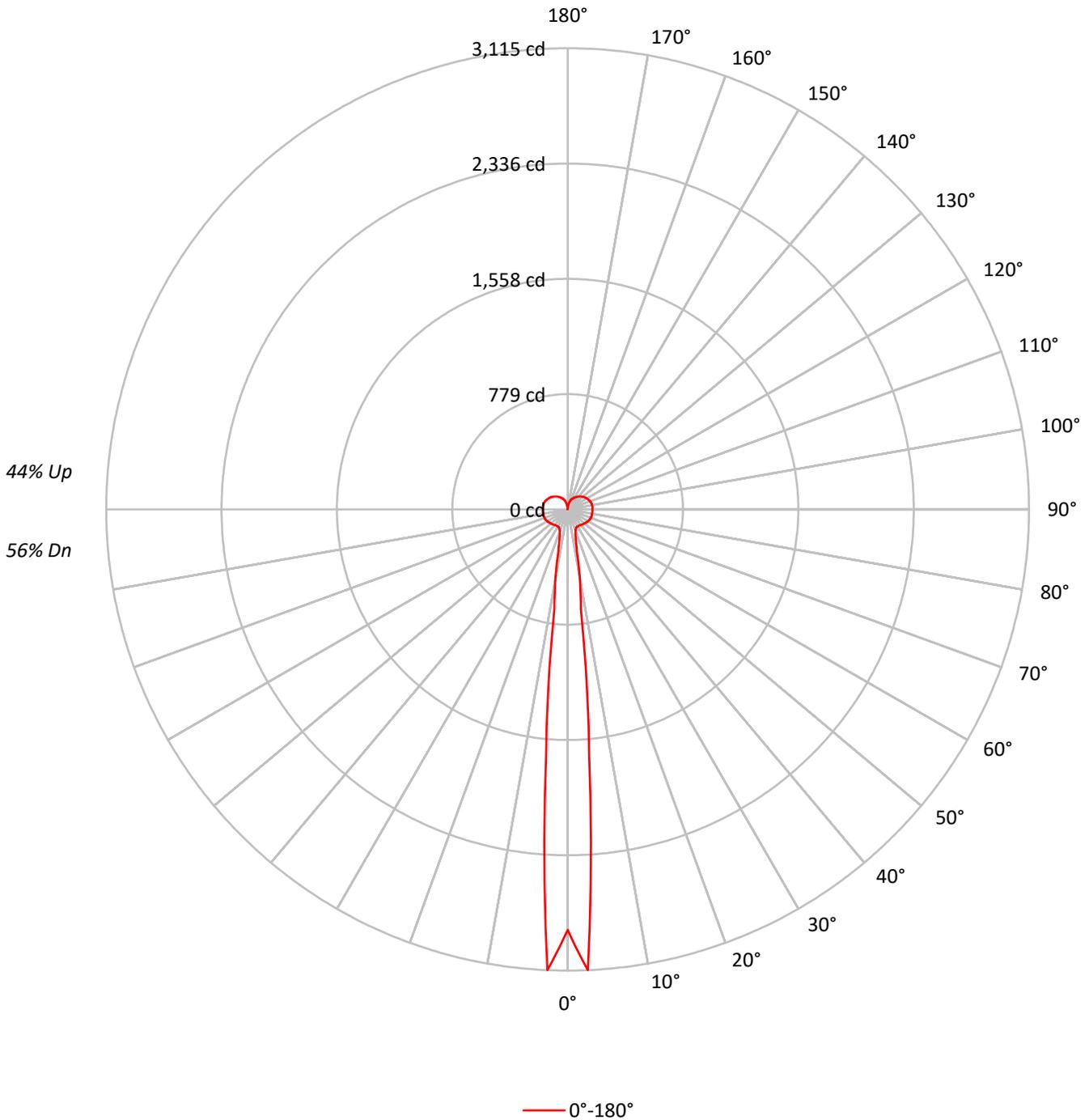
Lumens per Lamp: N/A
Luminaire Lumens: 1959.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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°	89835
5°	41195
10°	9602
15°	3666
20°	2367
25°	1884
30°	1674
35°	1565
40°	1514
45°	1489
50°	1477
55°	1486
60°	1498
65°	1519
70°	1533
75°	1550
80°	1551
85°	1583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1619 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	6.1
10°-20°	65.9	3.4
20°-30°	64.3	3.3
30°-40°	84.3	4.3
40°-50°	110.6	5.6
50°-60°	137.6	7.0
60°-70°	161.9	8.3
70°-80°	177.0	9.0
80°-90°	183.1	9.3
90°-100°	183.4	9.4
100°-110°	174.3	8.9
110°-120°	154.2	7.9
120°-130°	127.0	6.5
130°-140°	95.8	4.9
140°-150°	64.8	3.3
150°-160°	37.9	1.9
160°-170°	15.6	0.8
170°-180°	1.5	0.1
0°-30°	250.0	12.8
0°-40°	334.3	17.1
0°-60°	582.5	29.7
0°-90°	1104.5	56.4
90°-120°	511.9	26.1
90°-150°	799.4	40.8
90°-180°	854.0	43.6
0°-180°	1959.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2840	
5°	1670	120
15°	210	66
25°	137	64
35°	134	84
45°	143	111
55°	153	138
65°	163	162
75°	168	177
85°	168	137
90°	168	92
95°	168	137
105°	165	174
115°	155	154
125°	142	127
135°	124	96
145°	102	65
155°	82	38
165°	55	16
175°	8	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2839.6
2.5°	3115.0
5°	1670.1
7.5°	679.7
10°	472.1
12.5°	289.2
15°	210.5
17.5°	175.1
20°	154.4
22.5°	143.6
25°	136.7
27.5°	133.8
30°	132.8
32.5°	132.8
35°	133.8
37.5°	134.8
40°	137.7
42.5°	139.7
45°	142.6
47.5°	145.6
50°	147.5
52.5°	150.5
55°	153.4
57.5°	156.4
60°	158.4
62.5°	161.3
65°	163.3
67.5°	165.2
70°	166.2
72.5°	167.2
75°	168.2
77.5°	167.2
80°	167.2
82.5°	167.2
85°	168.2
87.5°	168.2
90°	168.2
92.5°	168.2
95°	168.2
97.5°	168.2
100°	167.2
102.5°	166.2
105°	165.2
107.5°	163.3
110°	161.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.4
115°	155.4
117.5°	152.5
120°	148.5
122.5°	145.6
125°	141.6
127.5°	137.7
130°	132.8
132.5°	128.8
135°	123.9
137.5°	118.0
140°	113.1
142.5°	108.2
145°	102.3
147.5°	97.4
150°	92.5
152.5°	86.6
155°	81.6
157.5°	75.7
160°	69.8
162.5°	62.9
165°	55.1
167.5°	44.3
170°	30.5
172.5°	18.7
175°	7.9
177.5°	2.0
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	9.0	10.0	9.9	11.0	12.1	9.0	10.0	9.9	11.0	12.1
	3H	12.0	13.0	12.9	13.9	15.1	12.0	13.0	12.9	13.9	15.1
	4H	13.4	14.4	14.3	15.3	16.5	13.4	14.4	14.3	15.3	16.5
	6H	14.8	15.7	15.7	16.6	17.8	14.8	15.7	15.7	16.6	17.8
	8H	15.5	16.3	16.4	17.3	18.5	15.5	16.3	16.4	17.3	18.5
	12H	16.2	16.9	17.1	17.9	19.1	16.2	16.9	17.1	17.9	19.1
4H	2H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	3H	13.0	13.7	13.9	14.7	15.9	13.0	13.7	13.9	14.7	15.9
	4H	14.5	15.3	15.5	16.2	17.5	14.5	15.3	15.5	16.2	17.5
	6H	16.1	16.8	17.0	17.7	19.0	16.1	16.8	17.0	17.7	19.0
	8H	16.9	17.5	17.8	18.4	19.7	16.9	17.5	17.8	18.4	19.7
	12H	17.6	18.2	18.6	19.2	20.4	17.6	18.2	18.6	19.2	20.4
8H	4H	15.0	15.7	16.0	16.6	17.9	15.0	15.7	16.0	16.6	17.9
	6H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	8H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5
	12H	18.6	19.1	19.6	20.1	21.4	18.6	19.1	19.6	20.1	21.4
12H	4H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
	6H	17.0	17.5	18.0	18.5	19.8	17.0	17.5	18.0	18.5	19.8
	8H	18.0	18.4	18.9	19.4	20.7	18.0	18.4	18.9	19.4	20.7

(END OF REPORT)