

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: P1244874

Luminaire Tested: PRLX-MIN-L-940-23L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244874
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-940-23L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

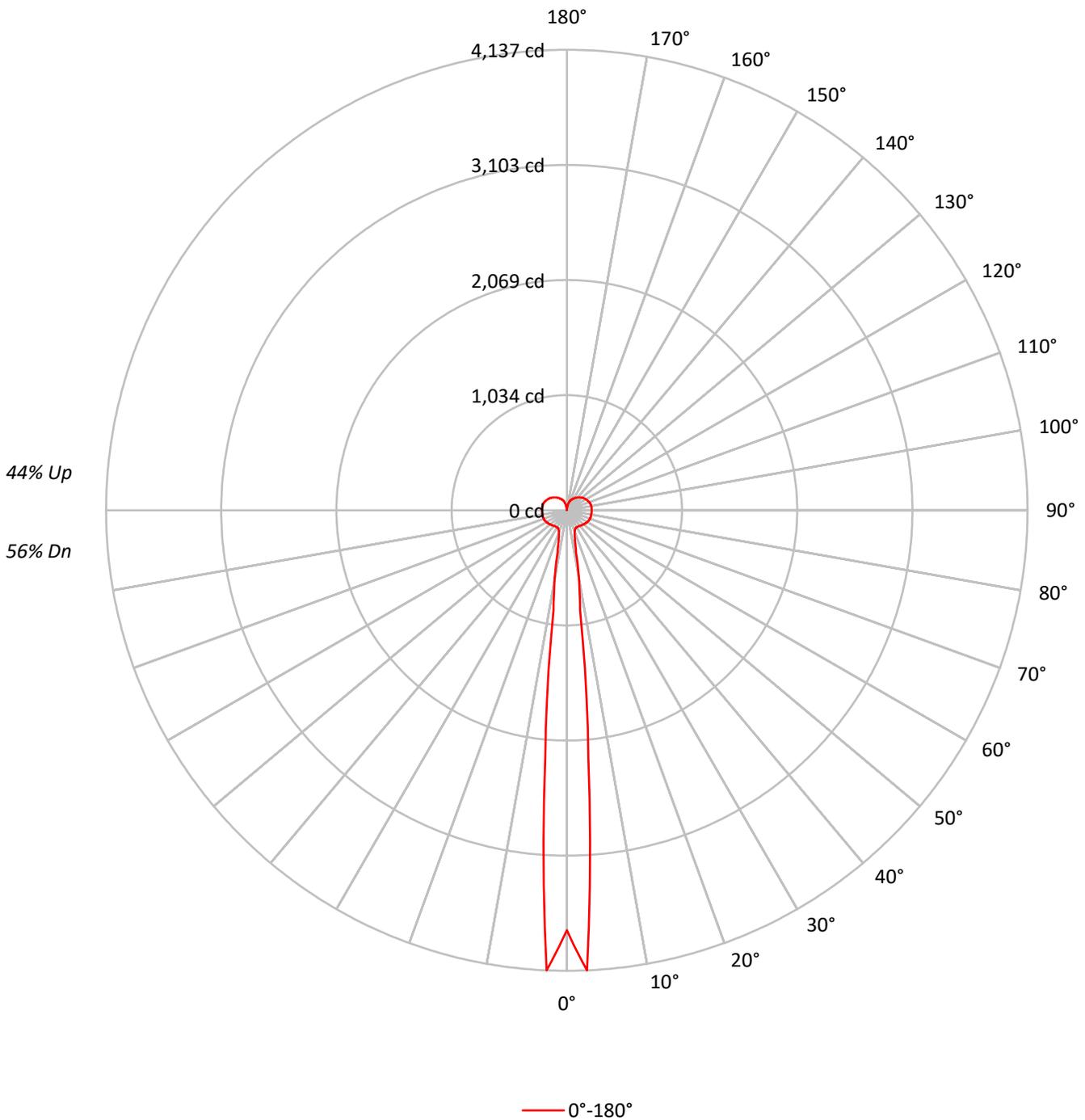
Lumens per Lamp: N/A
Luminaire Lumens: 2602.1 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (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	36	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°	119320
5°	54717
10°	12755
15°	4870
20°	3144
25°	2503
30°	2224
35°	2079
40°	2010
45°	1977
50°	1962
55°	1975
60°	1989
65°	2018
70°	2037
75°	2059
80°	2061
85°	2103

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2151 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	6.1
10°-20°	87.6	3.4
20°-30°	85.3	3.3
30°-40°	112.0	4.3
40°-50°	146.8	5.6
50°-60°	182.8	7.0
60°-70°	215.0	8.3
70°-80°	235.1	9.0
80°-90°	243.2	9.3
90°-100°	243.6	9.4
100°-110°	231.6	8.9
110°-120°	204.8	7.9
120°-130°	168.7	6.5
130°-140°	127.3	4.9
140°-150°	86.0	3.3
150°-160°	50.4	1.9
160°-170°	20.7	0.8
170°-180°	2.0	0.1
0°-30°	332.0	12.8
0°-40°	444.0	17.1
0°-60°	773.7	29.7
0°-90°	1467.1	56.4
90°-120°	680.0	26.1
90°-150°	1061.9	40.8
90°-180°	1135.0	43.6
0°-180°	2602.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3772	
5°	2218	159
15°	280	88
25°	182	85
35°	178	112
45°	189	147
55°	204	183
65°	217	215
75°	223	235
85°	223	182
90°	223	122
95°	223	182
105°	220	232
115°	206	205
125°	188	169
135°	165	127
145°	136	86
155°	108	50
165°	73	21
175°	10	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3771.6
2.5°	4137.4
5°	2218.3
7.5°	902.7
10°	627.1
12.5°	384.1
15°	279.6
17.5°	232.5
20°	205.1
22.5°	190.7
25°	181.6
27.5°	177.7
30°	176.4
32.5°	176.4
35°	177.7
37.5°	179.0
40°	182.9
42.5°	185.5
45°	189.4
47.5°	193.3
50°	196.0
52.5°	199.9
55°	203.8
57.5°	207.7
60°	210.3
62.5°	214.3
65°	216.9
67.5°	219.5
70°	220.8
72.5°	222.1
75°	223.4
77.5°	222.1
80°	222.1
82.5°	222.1
85°	223.4
87.5°	223.4
90°	223.4
92.5°	223.4
95°	223.4
97.5°	223.4
100°	222.1
102.5°	220.8
105°	219.5
107.5°	216.9
110°	214.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	210.3
115°	206.4
117.5°	202.5
120°	197.3
122.5°	193.3
125°	188.1
127.5°	182.9
130°	176.4
132.5°	171.1
135°	164.6
137.5°	156.8
140°	150.2
142.5°	143.7
145°	135.9
147.5°	129.3
150°	122.8
152.5°	115.0
155°	108.4
157.5°	100.6
160°	92.8
162.5°	83.6
165°	73.2
167.5°	58.8
170°	40.5
172.5°	24.8
175°	10.5
177.5°	2.6
180°	1.3



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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	10.0	11.0	10.9	11.9	13.1	10.0	11.0	10.9	11.9	13.1
	3H	13.0	13.9	13.9	14.9	16.1	13.0	13.9	13.9	14.9	16.1
	4H	14.4	15.3	15.3	16.3	17.5	14.4	15.3	15.3	16.3	17.5
	6H	15.8	16.7	16.7	17.6	18.8	15.8	16.7	16.7	17.6	18.8
	8H	16.5	17.3	17.4	18.3	19.5	16.5	17.3	17.4	18.3	19.5
	12H	17.1	17.9	18.1	18.9	20.1	17.1	17.9	18.1	18.9	20.1
4H	2H	10.8	11.7	11.7	12.6	13.8	10.8	11.7	11.7	12.6	13.8
	3H	13.9	14.7	14.9	15.7	16.9	13.9	14.7	14.9	15.7	16.9
	4H	15.5	16.3	16.4	17.2	18.5	15.5	16.3	16.4	17.2	18.5
	6H	17.1	17.7	18.0	18.7	19.9	17.1	17.7	18.0	18.7	19.9
	8H	17.8	18.5	18.8	19.4	20.7	17.8	18.5	18.8	19.4	20.7
	12H	18.6	19.2	19.6	20.2	21.4	18.6	19.2	19.6	20.2	21.4
8H	4H	16.0	16.7	17.0	17.6	18.9	16.0	16.7	17.0	17.6	18.9
	6H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	8H	18.7	19.2	19.7	20.2	21.4	18.7	19.2	19.7	20.2	21.4
	12H	19.6	20.1	20.6	21.1	22.4	19.6	20.1	20.6	21.1	22.4
12H	4H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
	6H	18.0	18.5	18.9	19.4	20.7	18.0	18.5	18.9	19.4	20.7
	8H	19.0	19.4	19.9	20.4	21.7	19.0	19.4	19.9	20.4	21.7

(END OF REPORT)