

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: P1244873

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244873
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

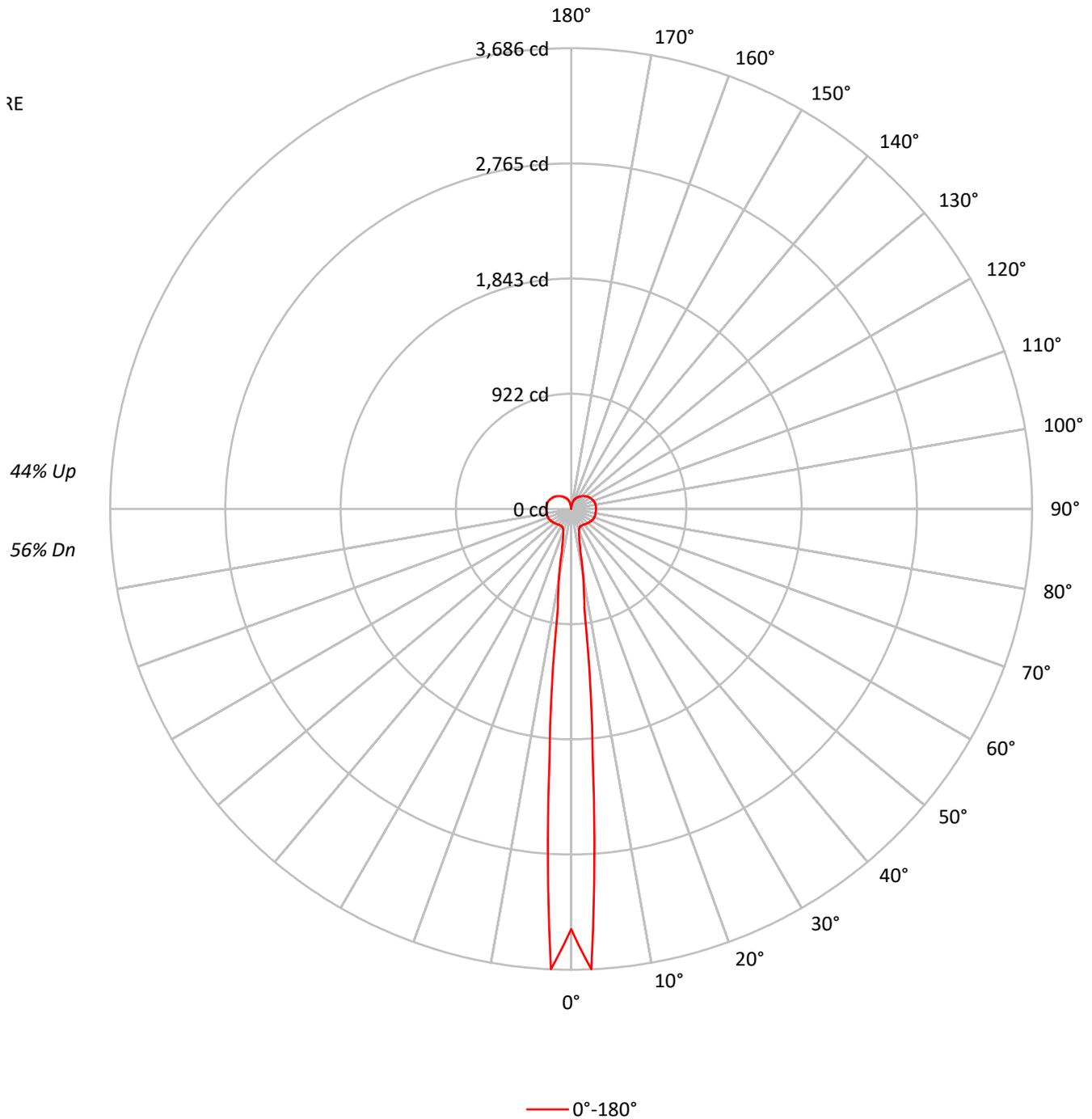
Lumens per Lamp: N/A
Luminaire Lumens: 2318.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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°	106298
5°	48745
10°	11362
15°	4339
20°	2801
25°	2230
30°	1981
35°	1852
40°	1791
45°	1762
50°	1748
55°	1759
60°	1772
65°	1797
70°	1814
75°	1834
80°	1836
85°	1873

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1916 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	6.1
10°-20°	78.0	3.4
20°-30°	76.0	3.3
30°-40°	99.8	4.3
40°-50°	130.8	5.6
50°-60°	162.9	7.0
60°-70°	191.5	8.3
70°-80°	209.5	9.0
80°-90°	216.7	9.3
90°-100°	217.0	9.4
100°-110°	206.3	8.9
110°-120°	182.5	7.9
120°-130°	150.2	6.5
130°-140°	113.4	4.9
140°-150°	76.6	3.3
150°-160°	44.9	1.9
160°-170°	18.5	0.8
170°-180°	1.8	0.1
0°-30°	295.8	12.8
0°-40°	395.5	17.1
0°-60°	689.3	29.7
0°-90°	1307.0	56.4
90°-120°	605.7	26.1
90°-150°	945.9	40.8
90°-180°	1011.0	43.6
0°-180°	2318.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3360	
5°	1976	142
15°	249	78
25°	162	76
35°	158	100
45°	169	131
55°	182	163
65°	193	192
75°	199	209
85°	199	162
90°	199	109
95°	199	162
105°	196	206
115°	184	182
125°	168	150
135°	147	113
145°	121	77
155°	97	45
165°	65	18
175°	9	2
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3360.0
2.5°	3685.8
5°	1976.2
7.5°	804.2
10°	558.6
12.5°	342.2
15°	249.1
17.5°	207.2
20°	182.7
22.5°	169.9
25°	161.8
27.5°	158.3
30°	157.1
32.5°	157.1
35°	158.3
37.5°	159.4
40°	162.9
42.5°	165.3
45°	168.8
47.5°	172.2
50°	174.6
52.5°	178.1
55°	181.6
57.5°	185.0
60°	187.4
62.5°	190.9
65°	193.2
67.5°	195.5
70°	196.7
72.5°	197.9
75°	199.0
77.5°	197.9
80°	197.9
82.5°	197.9
85°	199.0
87.5°	199.0
90°	199.0
92.5°	199.0
95°	199.0
97.5°	199.0
100°	197.9
102.5°	196.7
105°	195.5
107.5°	193.2
110°	190.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.4
115°	183.9
117.5°	180.4
120°	175.7
122.5°	172.2
125°	167.6
127.5°	162.9
130°	157.1
132.5°	152.5
135°	146.6
137.5°	139.7
140°	133.8
142.5°	128.0
145°	121.0
147.5°	115.2
150°	109.4
152.5°	102.4
155°	96.6
157.5°	89.6
160°	82.6
162.5°	74.5
165°	65.2
167.5°	52.4
170°	36.1
172.5°	22.1
175°	9.3
177.5°	2.3
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	9.6	10.6	10.5	11.5	12.7	9.6	10.6	10.5	11.5	12.7
	3H	12.6	13.5	13.5	14.5	15.7	12.6	13.5	13.5	14.5	15.7
	4H	14.0	14.9	14.9	15.9	17.1	14.0	14.9	14.9	15.9	17.1
	6H	15.4	16.3	16.3	17.2	18.4	15.4	16.3	16.3	17.2	18.4
	8H	16.1	16.9	17.0	17.9	19.1	16.1	16.9	17.0	17.9	19.1
	12H	16.7	17.5	17.7	18.5	19.7	16.7	17.5	17.7	18.5	19.7
4H	2H	10.4	11.3	11.3	12.2	13.4	10.4	11.3	11.3	12.2	13.4
	3H	13.5	14.3	14.5	15.3	16.5	13.5	14.3	14.5	15.3	16.5
	4H	15.1	15.9	16.0	16.8	18.0	15.1	15.9	16.0	16.8	18.0
	6H	16.7	17.3	17.6	18.3	19.5	16.7	17.3	17.6	18.3	19.5
	8H	17.4	18.1	18.4	19.0	20.3	17.4	18.1	18.4	19.0	20.3
	12H	18.2	18.8	19.2	19.8	21.0	18.2	18.8	19.2	19.8	21.0
8H	4H	15.6	16.3	16.6	17.2	18.5	15.6	16.3	16.6	17.2	18.5
	6H	17.4	17.9	18.3	18.9	20.2	17.4	17.9	18.3	18.9	20.2
	8H	18.3	18.8	19.3	19.8	21.0	18.3	18.8	19.3	19.8	21.0
	12H	19.2	19.7	20.2	20.7	22.0	19.2	19.7	20.2	20.7	22.0
12H	4H	15.7	16.3	16.7	17.3	18.6	15.7	16.3	16.7	17.3	18.6
	6H	17.6	18.1	18.5	19.0	20.3	17.6	18.1	18.5	19.0	20.3
	8H	18.6	19.0	19.5	20.0	21.3	18.6	19.0	19.5	20.0	21.3

(END OF REPORT)