

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: P1244850

Luminaire Tested: PRLX-MIN-L-935-23L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244850
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-935-23L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

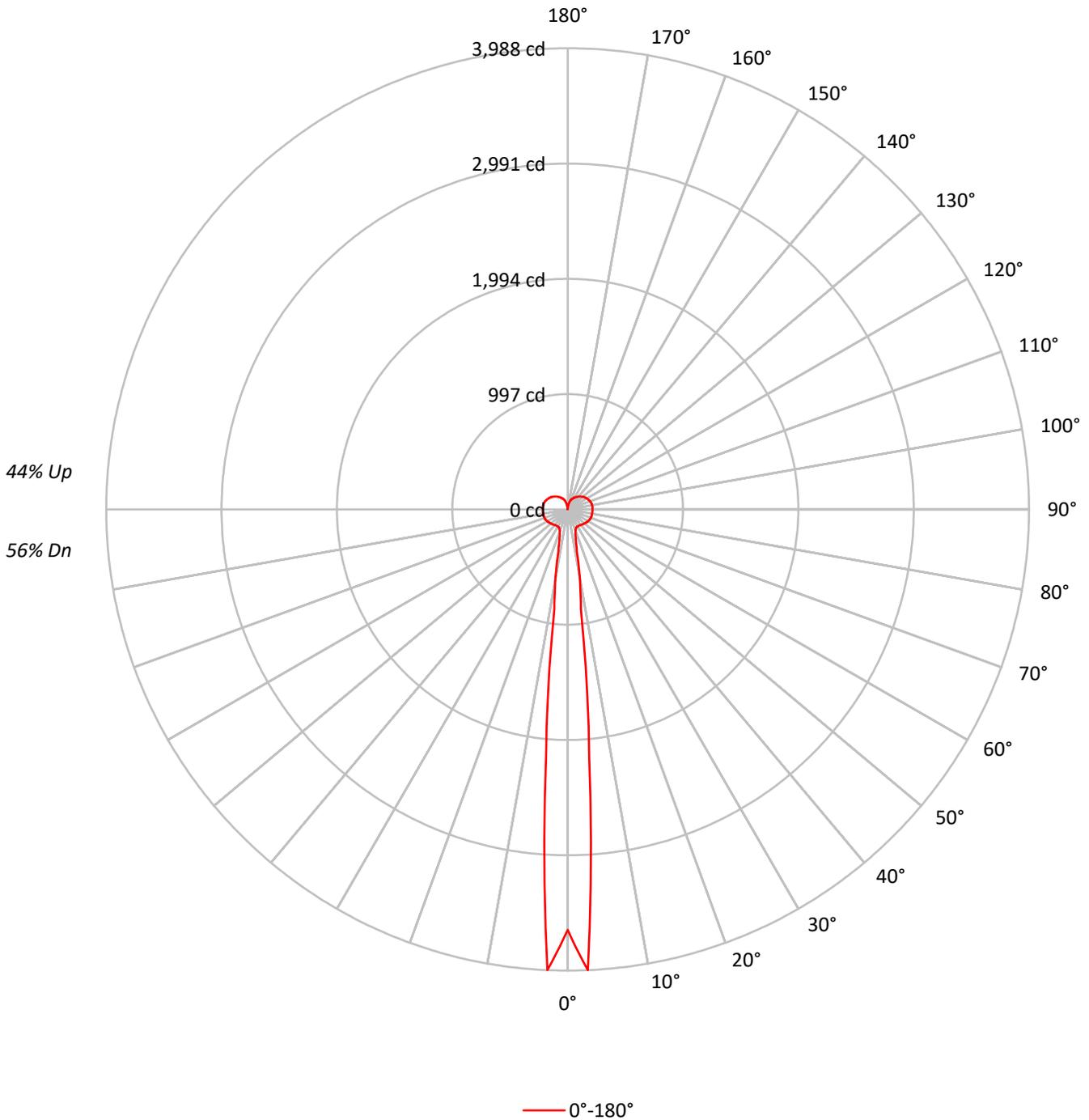
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2508.0 lumens
Efficiency: N/A
Efficacy: 43.1 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 (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

TEST NUMBER: P1244850
CATALOG NUMBER: PRLX-MIN-L-935-23L-U-OW

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°	115011
5°	52741
10°	12293
15°	4694
20°	3031
25°	2412
30°	2144
35°	2004
40°	1938
45°	1906
50°	1891
55°	1903
60°	1917
65°	1944
70°	1963
75°	1984
80°	1986
85°	2027

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2073 cd/sqm



TEST NUMBER: P1244850

CATALOG NUMBER: PRLX-MIN-L-935-23L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	6.1
10°-20°	84.4	3.4
20°-30°	82.3	3.3
30°-40°	108.0	4.3
40°-50°	141.6	5.6
50°-60°	176.2	7.0
60°-70°	207.2	8.3
70°-80°	226.6	9.0
80°-90°	234.4	9.3
90°-100°	234.7	9.4
100°-110°	223.1	8.9
110°-120°	197.4	7.9
120°-130°	162.6	6.5
130°-140°	122.7	4.9
140°-150°	82.9	3.3
150°-160°	48.5	1.9
160°-170°	20.0	0.8
170°-180°	1.9	0.1
0°-30°	320.0	12.8
0°-40°	428.0	17.1
0°-60°	745.7	29.7
0°-90°	1414.0	56.4
90°-120°	655.3	26.1
90°-150°	1023.5	40.8
90°-180°	1094.0	43.6
0°-180°	2508.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3635	
5°	2138	153
15°	270	84
25°	175	82
35°	171	108
45°	183	142
55°	196	176
65°	209	207
75°	215	227
85°	215	175
90°	215	118
95°	215	176
105°	212	223
115°	199	197
125°	181	163
135°	159	123
145°	131	83
155°	104	49
165°	70	20
175°	10	2
180°	1	

TEST NUMBER: P1244850

CATALOG NUMBER: PRLX-MIN-L-935-23L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3635.4
2.5°	3987.9
5°	2138.2
7.5°	870.1
10°	604.4
12.5°	370.2
15°	269.5
17.5°	224.1
20°	197.7
22.5°	183.8
25°	175.0
27.5°	171.3
30°	170.0
32.5°	170.0
35°	171.3
37.5°	172.5
40°	176.3
42.5°	178.8
45°	182.6
47.5°	186.4
50°	188.9
52.5°	192.7
55°	196.4
57.5°	200.2
60°	202.7
62.5°	206.5
65°	209.0
67.5°	211.5
70°	212.8
72.5°	214.1
75°	215.3
77.5°	214.1
80°	214.1
82.5°	214.1
85°	215.3
87.5°	215.3
90°	215.3
92.5°	215.3
95°	215.3
97.5°	215.3
100°	214.1
102.5°	212.8
105°	211.5
107.5°	209.0
110°	206.5

TEST NUMBER: P1244850

CATALOG NUMBER: PRLX-MIN-L-935-23L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.7
115°	199.0
117.5°	195.2
120°	190.1
122.5°	186.4
125°	181.3
127.5°	176.3
130°	170.0
132.5°	165.0
135°	158.7
137.5°	151.1
140°	144.8
142.5°	138.5
145°	131.0
147.5°	124.7
150°	118.4
152.5°	110.8
155°	104.5
157.5°	97.0
160°	89.4
162.5°	80.6
165°	70.5
167.5°	56.7
170°	39.0
172.5°	23.9
175°	10.1
177.5°	2.5
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	9.9	10.9	10.7	11.8	13.0	9.9	10.9	10.7	11.8	13.0
	3H	12.9	13.8	13.7	14.7	15.9	12.9	13.8	13.7	14.7	15.9
	4H	14.3	15.2	15.2	16.1	17.3	14.3	15.2	15.2	16.1	17.3
	6H	15.7	16.5	16.6	17.5	18.7	15.7	16.5	16.6	17.5	18.7
	8H	16.4	17.2	17.3	18.1	19.3	16.4	17.2	17.3	18.1	19.3
	12H	17.0	17.8	17.9	18.7	20.0	17.0	17.8	17.9	18.7	20.0
4H	2H	10.6	11.6	11.5	12.5	13.7	10.6	11.6	11.5	12.5	13.7
	3H	13.8	14.6	14.7	15.6	16.8	13.8	14.6	14.7	15.6	16.8
	4H	15.4	16.1	16.3	17.1	18.3	15.4	16.1	16.3	17.1	18.3
	6H	17.0	17.6	17.9	18.6	19.8	17.0	17.6	17.9	18.6	19.8
	8H	17.7	18.3	18.6	19.3	20.6	17.7	18.3	18.6	19.3	20.6
	12H	18.5	19.0	19.4	20.0	21.3	18.5	19.0	19.4	20.0	21.3
8H	4H	15.9	16.5	16.8	17.5	18.7	15.9	16.5	16.8	17.5	18.7
	6H	17.7	18.2	18.6	19.2	20.5	17.7	18.2	18.6	19.2	20.5
	8H	18.6	19.1	19.5	20.1	21.3	18.6	19.1	19.5	20.1	21.3
	12H	19.5	19.9	20.5	20.9	22.2	19.5	19.9	20.5	20.9	22.2
12H	4H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
	6H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	8H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6

(END OF REPORT)