

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: P1244803

Luminaire Tested: PRLX-MIN-L-927-23L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244803
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: Prenalux
Catalog Number: PRLX-MIN-L-927-23L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

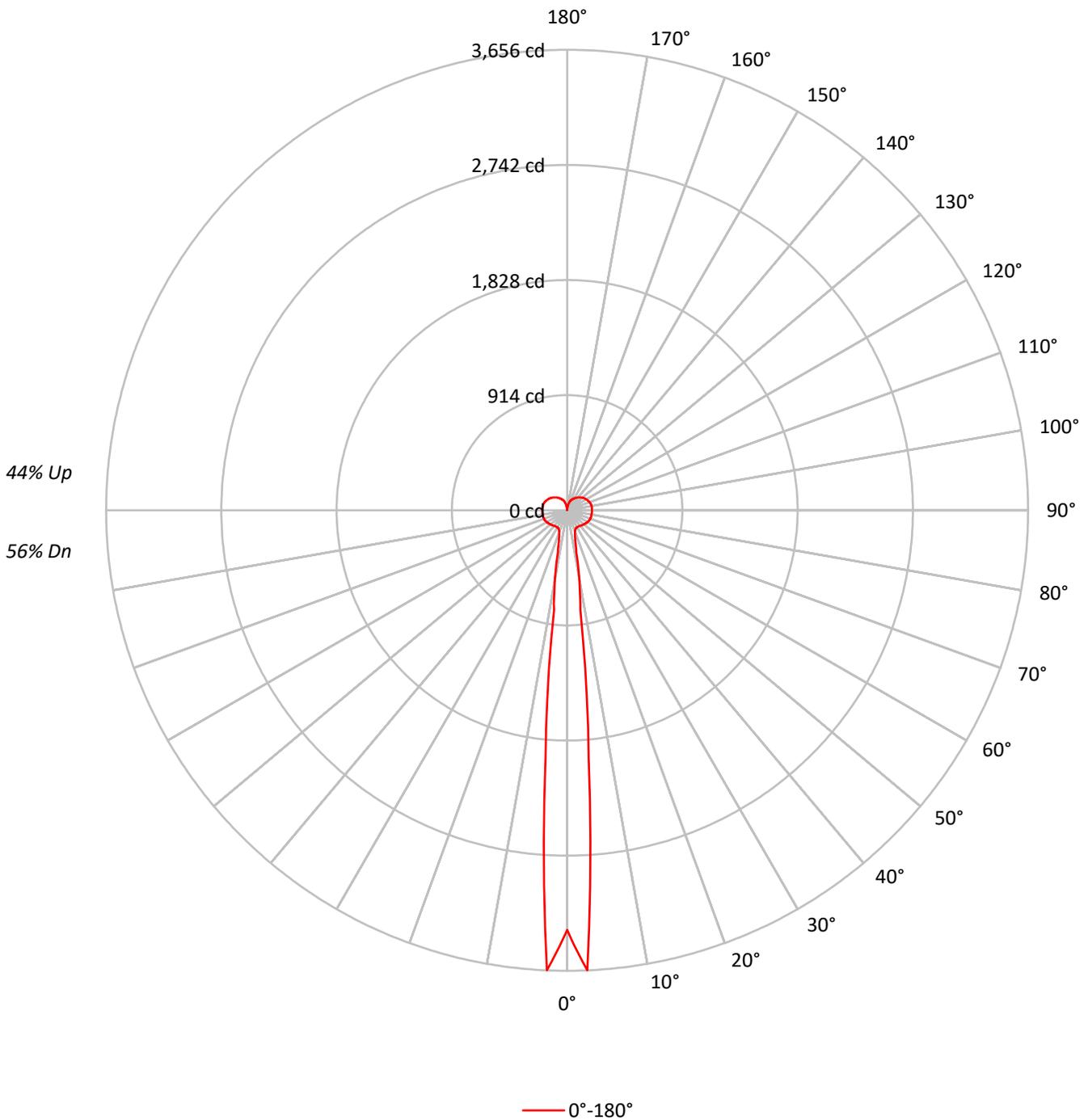
Lumens per Lamp: N/A
Luminaire Lumens: 2298.9 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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

TEST NUMBER: P1244803

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-PS

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°	105425
5°	48346
10°	11270
15°	4302
20°	2778
25°	2211
30°	1965
35°	1837
40°	1776
45°	1747
50°	1733
55°	1745
60°	1757
65°	1782
70°	1800
75°	1819
80°	1820
85°	1858

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1901 cd/sqm



TEST NUMBER: P1244803

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	6.1
10°-20°	77.4	3.4
20°-30°	75.4	3.3
30°-40°	98.9	4.3
40°-50°	129.7	5.6
50°-60°	161.5	7.0
60°-70°	190.0	8.3
70°-80°	207.7	9.0
80°-90°	214.9	9.3
90°-100°	215.2	9.4
100°-110°	204.6	8.9
110°-120°	181.0	7.9
120°-130°	149.0	6.5
130°-140°	112.4	4.9
140°-150°	76.0	3.3
150°-160°	44.5	1.9
160°-170°	18.3	0.8
170°-180°	1.8	0.1
0°-30°	293.4	12.8
0°-40°	392.3	17.1
0°-60°	683.6	29.7
0°-90°	1296.1	56.4
90°-120°	600.7	26.1
90°-150°	938.2	40.8
90°-180°	1003.0	43.6
0°-180°	2298.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3332	
5°	1960	141
15°	247	77
25°	160	75
35°	157	99
45°	167	130
55°	180	162
65°	192	190
75°	197	208
85°	197	161
90°	197	108
95°	197	161
105°	194	205
115°	182	181
125°	166	149
135°	145	112
145°	120	76
155°	96	45
165°	65	18
175°	9	2
180°	1	

TEST NUMBER: P1244803

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3332.4
2.5°	3655.6
5°	1960.0
7.5°	797.6
10°	554.1
12.5°	339.4
15°	247.0
17.5°	205.5
20°	181.2
22.5°	168.5
25°	160.4
27.5°	157.0
30°	155.8
32.5°	155.8
35°	157.0
37.5°	158.1
40°	161.6
42.5°	163.9
45°	167.4
47.5°	170.8
50°	173.1
52.5°	176.6
55°	180.1
57.5°	183.5
60°	185.8
62.5°	189.3
65°	191.6
67.5°	193.9
70°	195.1
72.5°	196.2
75°	197.4
77.5°	196.2
80°	196.2
82.5°	196.2
85°	197.4
87.5°	197.4
90°	197.4
92.5°	197.4
95°	197.4
97.5°	197.4
100°	196.2
102.5°	195.1
105°	193.9
107.5°	191.6
110°	189.3

TEST NUMBER: P1244803

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	185.8
115°	182.4
117.5°	178.9
120°	174.3
122.5°	170.8
125°	166.2
127.5°	161.6
130°	155.8
132.5°	151.2
135°	145.4
137.5°	138.5
140°	132.7
142.5°	127.0
145°	120.0
147.5°	114.3
150°	108.5
152.5°	101.6
155°	95.8
157.5°	88.9
160°	82.0
162.5°	73.9
165°	64.6
167.5°	51.9
170°	35.8
172.5°	21.9
175°	9.2
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	10.4	11.5	12.7	9.6	10.6	10.4	11.5	12.7
	3H	12.6	13.5	13.4	14.4	15.6	12.6	13.5	13.4	14.4	15.6
	4H	14.0	14.9	14.9	15.8	17.0	14.0	14.9	14.9	15.8	17.0
	6H	15.4	16.2	16.3	17.2	18.4	15.4	16.2	16.3	17.2	18.4
	8H	16.1	16.9	17.0	17.8	19.0	16.1	16.9	17.0	17.8	19.0
	12H	16.7	17.5	17.6	18.4	19.7	16.7	17.5	17.6	18.4	19.7
4H	2H	10.3	11.2	11.2	12.2	13.4	10.3	11.2	11.2	12.2	13.4
	3H	13.5	14.3	14.4	15.3	16.5	13.5	14.3	14.4	15.3	16.5
	4H	15.1	15.8	16.0	16.8	18.0	15.1	15.8	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	18.0	18.3	19.0	20.3	17.4	18.0	18.3	19.0	20.3
	12H	18.2	18.7	19.1	19.7	21.0	18.2	18.7	19.1	19.7	21.0
8H	4H	15.6	16.2	16.5	17.2	18.4	15.6	16.2	16.5	17.2	18.4
	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	19.2	19.7	21.0	18.3	18.8	19.2	19.7	21.0
	12H	19.2	19.6	20.2	20.6	21.9	19.2	19.6	20.2	20.6	21.9
12H	4H	15.7	16.3	16.7	17.3	18.5	15.7	16.3	16.7	17.3	18.5
	6H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	8H	18.5	19.0	19.5	20.0	21.3	18.5	19.0	19.5	20.0	21.3

(END OF REPORT)