

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: P1244884

Luminaire Tested: PRLX-MIN-M-927-03L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-M-927-03L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

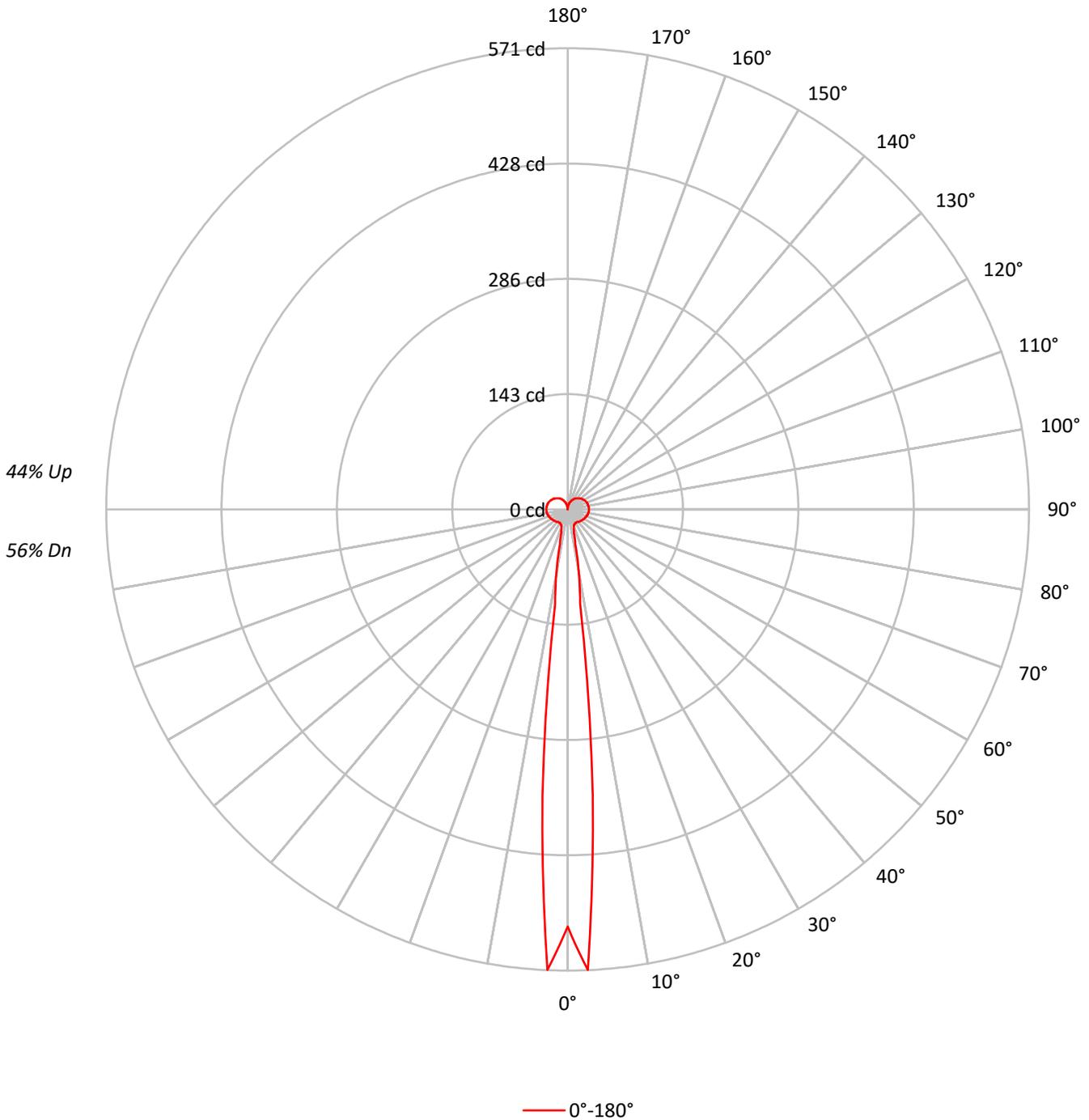
Lumens per Lamp: N/A
Luminaire Lumens: 303.9 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
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: P1244884

CATALOG NUMBER: PRLX-MIN-M-927-03L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1244884

CATALOG NUMBER: PRLX-MIN-M-927-03L-U-PS

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	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	31
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	19	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26474
5°	13381
10°	2399
15°	763
20°	478
25°	387
30°	336
35°	309
40°	300
45°	294
50°	289
55°	288
60°	290
65°	292
70°	298
75°	304
80°	309
85°	317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 322 cd/sqm

TEST NUMBER: P1244884

CATALOG NUMBER: PRLX-MIN-M-927-03L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	7.5
10°-20°	10.0	3.3
20°-30°	9.4	3.1
30°-40°	12.3	4.1
40°-50°	16.3	5.4
50°-60°	20.2	6.6
60°-70°	23.8	7.8
70°-80°	27.0	8.9
80°-90°	28.6	9.4
90°-100°	28.6	9.4
100°-110°	27.1	8.9
110°-120°	24.2	8.0
120°-130°	19.9	6.6
130°-140°	15.1	5.0
140°-150°	10.3	3.4
150°-160°	5.8	1.9
160°-170°	2.3	0.8
170°-180°	0.2	0.1
0°-30°	42.1	13.8
0°-40°	54.4	17.9
0°-60°	90.9	29.9
0°-90°	170.3	56.0
90°-120°	79.9	26.3
90°-150°	125.3	41.2
90°-180°	134.0	44.1
0°-180°	303.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	517	
5°	355	23
15°	30	10
25°	20	9
35°	19	12
45°	21	16
55°	22	20
65°	24	24
75°	26	27
85°	26	21
90°	26	14
95°	26	21
105°	26	27
115°	24	24
125°	22	20
135°	19	15
145°	16	10
155°	13	6
165°	8	2
175°	1	0
180°	0	

TEST NUMBER: P1244884

CATALOG NUMBER: PRLX-MIN-M-927-03L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	516.6
2.5°	570.8
5°	355.3
7.5°	117.8
10°	80.1
12.5°	43.8
15°	30.5
17.5°	25.2
20°	22.1
22.5°	21.0
25°	20.2
27.5°	19.4
30°	19.4
32.5°	19.4
35°	19.4
37.5°	19.8
40°	20.2
42.5°	20.6
45°	21.0
47.5°	21.4
50°	21.7
52.5°	22.1
55°	22.5
57.5°	22.9
60°	23.3
62.5°	23.6
65°	24.0
67.5°	24.4
70°	24.8
72.5°	25.2
75°	25.5
77.5°	25.9
80°	25.9
82.5°	26.3
85°	26.3
87.5°	26.3
90°	26.3
92.5°	26.3
95°	26.3
97.5°	26.3
100°	25.9
102.5°	25.9
105°	25.5
107.5°	25.5
110°	25.2

TEST NUMBER: P1244884

CATALOG NUMBER: PRLX-MIN-M-927-03L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	24.8
115°	24.4
117.5°	24.0
120°	23.3
122.5°	22.9
125°	22.1
127.5°	21.7
130°	21.0
132.5°	20.2
135°	19.4
137.5°	18.7
140°	17.9
142.5°	17.2
145°	16.4
147.5°	15.6
150°	14.5
152.5°	13.3
155°	12.6
157.5°	11.4
160°	10.3
162.5°	9.5
165°	8.0
167.5°	6.5
170°	4.6
172.5°	2.7
175°	0.8
177.5°	0.0
180°	0.0



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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	3.1	4.1	4.0	5.0	6.2	3.1	4.1	4.0	5.0	6.2
	3H	6.1	7.0	7.0	8.0	9.2	6.1	7.0	7.0	8.0	9.2
	4H	7.6	8.5	8.5	9.4	10.6	7.6	8.5	8.5	9.4	10.6
	6H	9.1	9.9	10.0	10.9	12.1	9.1	9.9	10.0	10.9	12.1
	8H	9.8	10.6	10.7	11.5	12.8	9.8	10.6	10.7	11.5	12.8
	12H	10.5	11.2	11.4	12.2	13.4	10.5	11.2	11.4	12.2	13.4
4H	2H	3.8	4.7	4.8	5.7	6.9	3.8	4.7	4.8	5.7	6.9
	3H	7.1	7.8	8.0	8.8	10.0	7.1	7.8	8.0	8.8	10.0
	4H	8.7	9.4	9.6	10.4	11.6	8.7	9.4	9.6	10.4	11.6
	6H	10.3	11.0	11.3	12.0	13.2	10.3	11.0	11.3	12.0	13.2
	8H	11.1	11.8	12.1	12.7	14.0	11.1	11.8	12.1	12.7	14.0
	12H	11.9	12.5	12.9	13.5	14.8	11.9	12.5	12.9	13.5	14.8
8H	4H	9.2	9.8	10.2	10.8	12.1	9.2	9.8	10.2	10.8	12.1
	6H	11.1	11.6	12.0	12.6	13.9	11.1	11.6	12.0	12.6	13.9
	8H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	12H	13.0	13.4	14.0	14.4	15.7	13.0	13.4	14.0	14.4	15.7
12H	4H	9.3	9.9	10.3	10.9	12.2	9.3	9.9	10.3	10.9	12.2
	6H	11.3	11.7	12.2	12.7	14.0	11.3	11.7	12.2	12.7	14.0
	8H	12.3	12.7	13.3	13.7	15.0	12.3	12.7	13.3	13.7	15.0

(END OF REPORT)