

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: P1244882

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244882
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

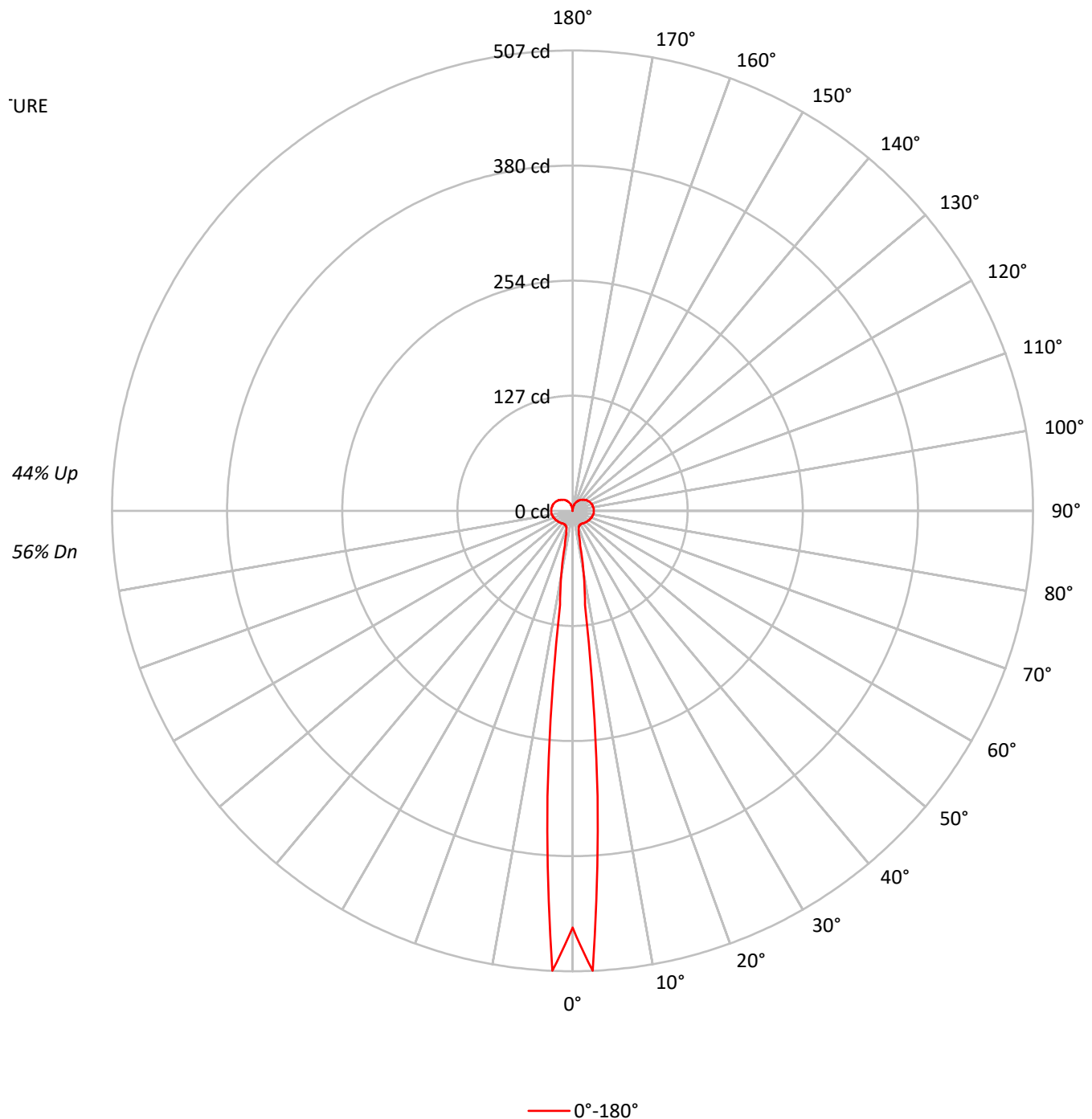
Lumens per Lamp: N/A
Luminaire Lumens: 270.0 lumens
Efficiency: N/A
Efficacy: 24.3 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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: P1244882

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

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			
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	30		
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	18	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°	23512
5°	11886
10°	2130
15°	678
20°	424
25°	343
30°	300
35°	276
40°	266
45°	260
50°	257
55°	256
60°	257
65°	259
70°	264
75°	271
80°	275
85°	282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 287 cd/sqm

TEST NUMBER: P1244882

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	7.5
10°-20°	8.8	3.3
20°-30°	8.3	3.1
30°-40°	11.0	4.1
40°-50°	14.4	5.3
50°-60°	17.9	6.6
60°-70°	21.2	7.8
70°-80°	23.9	8.9
80°-90°	25.5	9.4
90°-100°	25.5	9.4
100°-110°	24.1	8.9
110°-120°	21.5	8.0
120°-130°	17.7	6.6
130°-140°	13.4	5.0
140°-150°	9.2	3.4
150°-160°	5.2	1.9
160°-170°	2.1	0.8
170°-180°	0.2	0.1
0°-30°	37.4	13.8
0°-40°	48.3	17.9
0°-60°	80.7	29.9
0°-90°	151.3	56.0
90°-120°	71.0	26.3
90°-150°	111.3	41.2
90°-180°	119.0	44.1
0°-180°	270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	459	
5°	316	20
15°	27	9
25°	18	8
35°	17	11
45°	19	14
55°	20	18
65°	21	21
75°	23	24
85°	23	19
90°	23	13
95°	23	19
105°	23	24
115°	22	21
125°	20	18
135°	17	13
145°	15	9
155°	11	5
165°	7	2
175°	1	0
180°	0	

TEST NUMBER: P1244882

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	458.8
2.5°	506.9
5°	315.6
7.5°	104.6
10°	71.1
12.5°	38.9
15°	27.1
17.5°	22.3
20°	19.6
22.5°	18.6
25°	17.9
27.5°	17.3
30°	17.3
32.5°	17.3
35°	17.3
37.5°	17.6
40°	17.9
42.5°	18.3
45°	18.6
47.5°	19.0
50°	19.3
52.5°	19.6
55°	20.0
57.5°	20.3
60°	20.7
62.5°	21.0
65°	21.3
67.5°	21.7
70°	22.0
72.5°	22.3
75°	22.7
77.5°	23.0
80°	23.0
82.5°	23.4
85°	23.4
87.5°	23.4
90°	23.4
92.5°	23.4
95°	23.4
97.5°	23.4
100°	23.0
102.5°	23.0
105°	22.7
107.5°	22.7
110°	22.3

TEST NUMBER: P1244882

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	22.0
115°	21.7
117.5°	21.3
120°	20.7
122.5°	20.3
125°	19.6
127.5°	19.3
130°	18.6
132.5°	17.9
135°	17.3
137.5°	16.6
140°	15.9
142.5°	15.2
145°	14.6
147.5°	13.9
150°	12.9
152.5°	11.9
155°	11.2
157.5°	10.2
160°	9.1
162.5°	8.5
165°	7.1
167.5°	5.8
170°	4.1
172.5°	2.4
175°	0.7
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	2.6	3.7	3.5	4.6	5.8	2.6	3.7	3.5	4.6	5.8
	3H	5.7	6.6	6.6	7.6	8.8	5.7	6.6	6.6	7.6	8.8
	4H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	6H	8.7	9.5	9.6	10.4	11.7	8.7	9.5	9.6	10.4	11.7
	8H	9.4	10.2	10.3	11.1	12.3	9.4	10.2	10.3	11.1	12.3
	12H	10.1	10.8	11.0	11.8	13.0	10.1	10.8	11.0	11.8	13.0
4H	2H	3.4	4.3	4.3	5.3	6.5	3.4	4.3	4.3	5.3	6.5
	3H	6.6	7.4	7.6	8.4	9.6	6.6	7.4	7.6	8.4	9.6
	4H	8.3	9.0	9.2	10.0	11.2	8.3	9.0	9.2	10.0	11.2
	6H	9.9	10.6	10.9	11.6	12.8	9.9	10.6	10.9	11.6	12.8
	8H	10.7	11.4	11.7	12.3	13.6	10.7	11.4	11.7	12.3	13.6
	12H	11.5	12.1	12.5	13.1	14.3	11.5	12.1	12.5	13.1	14.3
8H	4H	8.8	9.4	9.8	10.4	11.7	8.8	9.4	9.8	10.4	11.7
	6H	10.7	11.2	11.6	12.2	13.5	10.7	11.2	11.6	12.2	13.5
	8H	11.6	12.1	12.6	13.1	14.4	11.6	12.1	12.6	13.1	14.4
	12H	12.6	13.0	13.6	14.0	15.3	12.6	13.0	13.6	14.0	15.3
12H	4H	8.9	9.5	9.9	10.5	11.8	8.9	9.5	9.9	10.5	11.8
	6H	10.9	11.3	11.8	12.3	13.6	10.9	11.3	11.8	12.3	13.6
	8H	11.9	12.3	12.9	13.3	14.6	11.9	12.3	12.9	13.3	14.6

(END OF REPORT)