

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: P1244890

Luminaire Tested: PRLX-MIN-M-927-06L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244890
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-927-06L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

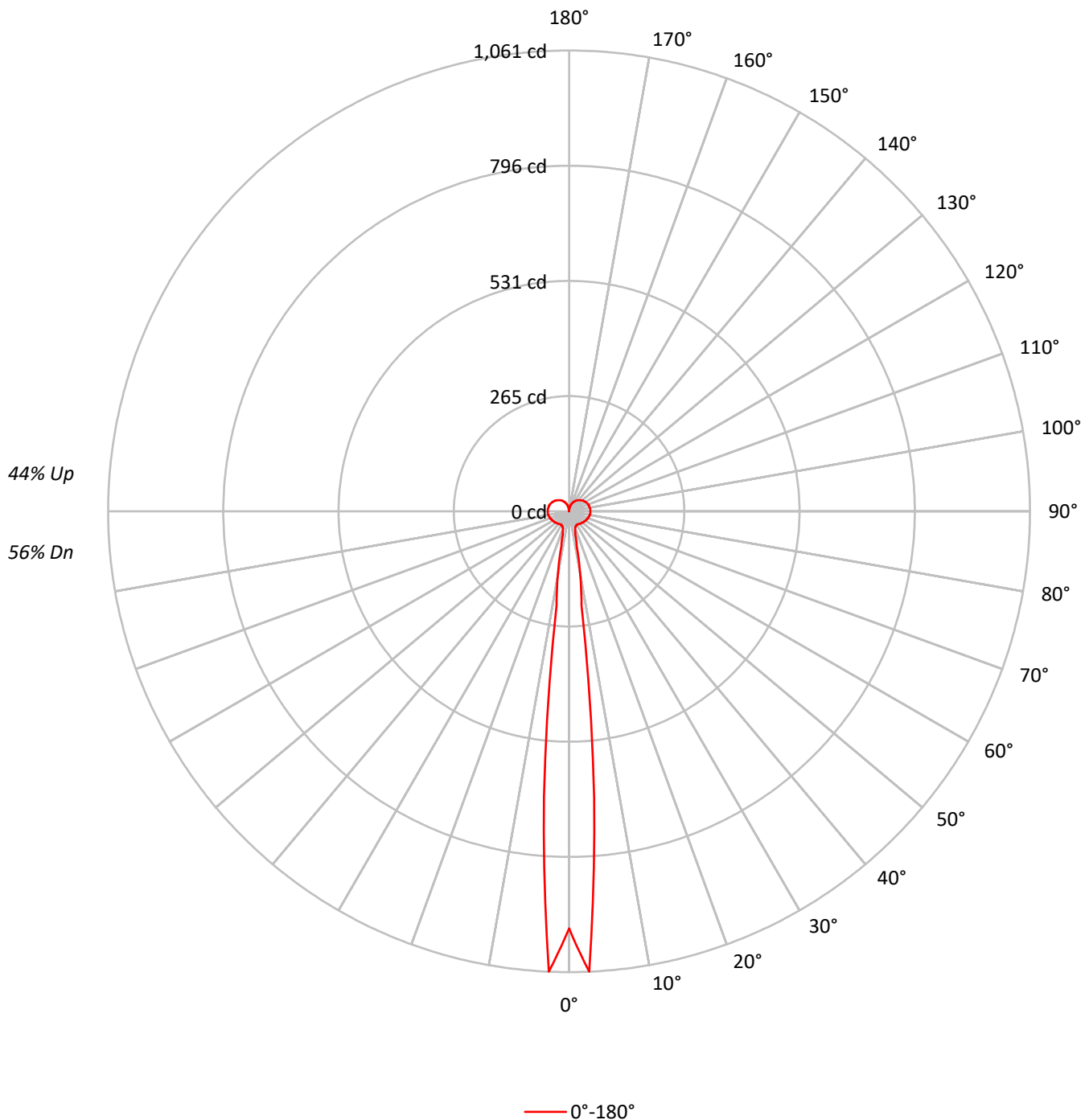
Lumens per Lamp: N/A
Luminaire Lumens: 565.1 lumens
Efficiency: N/A
Efficacy: 26.5 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
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: P1244890

CATALOG NUMBER: PRLX-MIN-M-927-06L-U-PS

Luminous Intensity Polar Plot





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CATALOG NUMBER: PRLX-MIN-M-927-06L-U-PS

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°	49208
5°	24872
10°	4457
15°	1419
20°	889
25°	721
30°	626
35°	575
40°	558
45°	545
50°	538
55°	536
60°	537
65°	543
70°	553
75°	566
80°	575
85°	589

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 599 cd/sqm

TEST NUMBER: P1244890

CATALOG NUMBER: PRLX-MIN-M-927-06L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	7.5
10°-20°	18.5	3.3
20°-30°	17.4	3.1
30°-40°	22.9	4.1
40°-50°	30.2	5.4
50°-60°	37.5	6.6
60°-70°	44.3	7.8
70°-80°	50.2	8.9
80°-90°	53.3	9.4
90°-100°	53.3	9.4
100°-110°	50.4	8.9
110°-120°	45.0	8.0
120°-130°	37.1	6.6
130°-140°	28.0	5.0
140°-150°	19.2	3.4
150°-160°	10.8	1.9
160°-170°	4.3	0.8
170°-180°	0.4	0.1
0°-30°	78.2	13.8
0°-40°	101.1	17.9
0°-60°	168.9	29.9
0°-90°	316.6	56.0
90°-120°	148.7	26.3
90°-150°	232.9	41.2
90°-180°	248.0	43.9
0°-180°	565.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	960	
5°	660	42
15°	57	19
25°	38	17
35°	36	23
45°	39	30
55°	42	38
65°	45	44
75°	48	50
85°	49	40
90°	49	27
95°	49	40
105°	48	50
115°	45	45
125°	41	37
135°	36	28
145°	30	19
155°	23	11
165°	15	4
175°	1	0
180°	0	

TEST NUMBER: P1244890

CATALOG NUMBER: PRLX-MIN-M-927-06L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	960.2
2.5°	1060.8
5°	660.4
7.5°	219.0
10°	148.8
12.5°	81.5
15°	56.7
17.5°	46.8
20°	41.1
22.5°	39.0
25°	37.6
27.5°	36.1
30°	36.1
32.5°	36.1
35°	36.1
37.5°	36.8
40°	37.6
42.5°	38.3
45°	39.0
47.5°	39.7
50°	40.4
52.5°	41.1
55°	41.8
57.5°	42.5
60°	43.2
62.5°	43.9
65°	44.6
67.5°	45.4
70°	46.1
72.5°	46.8
75°	47.5
77.5°	48.2
80°	48.2
82.5°	48.9
85°	48.9
87.5°	48.9
90°	48.9
92.5°	48.9
95°	48.9
97.5°	48.9
100°	48.2
102.5°	48.2
105°	47.5
107.5°	47.5
110°	46.8

TEST NUMBER: P1244890

CATALOG NUMBER: PRLX-MIN-M-927-06L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.1
115°	45.4
117.5°	44.6
120°	43.2
122.5°	42.5
125°	41.1
127.5°	40.4
130°	39.0
132.5°	37.6
135°	36.1
137.5°	34.7
140°	33.3
142.5°	31.9
145°	30.5
147.5°	29.1
150°	26.9
152.5°	24.8
155°	23.4
157.5°	21.3
160°	19.1
162.5°	17.7
165°	14.9
167.5°	12.0
170°	8.5
172.5°	5.0
175°	1.4
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	5.2	6.2	6.1	7.2	8.3	5.2	6.2	6.1	7.2	8.3
	3H	8.3	9.2	9.1	10.1	11.3	8.3	9.2	9.1	10.1	11.3
	4H	9.7	10.6	10.6	11.6	12.8	9.7	10.6	10.6	11.6	12.8
	6H	11.2	12.1	12.1	13.0	14.2	11.2	12.1	12.1	13.0	14.2
	8H	11.9	12.7	12.9	13.7	14.9	11.9	12.7	12.9	13.7	14.9
	12H	12.6	13.4	13.6	14.3	15.6	12.6	13.4	13.6	14.3	15.6
4H	2H	6.0	6.9	6.9	7.8	9.0	6.0	6.9	6.9	7.8	9.0
	3H	9.2	10.0	10.1	11.0	12.2	9.2	10.0	10.1	11.0	12.2
	4H	10.9	11.6	11.8	12.5	13.8	10.9	11.6	11.8	12.5	13.8
	6H	12.5	13.2	13.4	14.1	15.4	12.5	13.2	13.4	14.1	15.4
	8H	13.3	13.9	14.2	14.9	16.1	13.3	13.9	14.2	14.9	16.1
	12H	14.1	14.7	15.1	15.6	16.9	14.1	14.7	15.1	15.6	16.9
8H	4H	11.4	12.0	12.3	13.0	14.2	11.4	12.0	12.3	13.0	14.2
	6H	13.2	13.8	14.2	14.8	16.0	13.2	13.8	14.2	14.8	16.0
	8H	14.2	14.7	15.2	15.7	16.9	14.2	14.7	15.2	15.7	16.9
	12H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
12H	4H	11.5	12.1	12.5	13.1	14.3	11.5	12.1	12.5	13.1	14.3
	6H	13.4	13.9	14.4	14.9	16.2	13.4	13.9	14.4	14.9	16.2
	8H	14.5	14.9	15.4	15.9	17.2	14.5	14.9	15.4	15.9	17.2

(END OF REPORT)