

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: P1244908

Luminaire Tested: PRLX-MIN-M-930-07L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244908
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-930-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

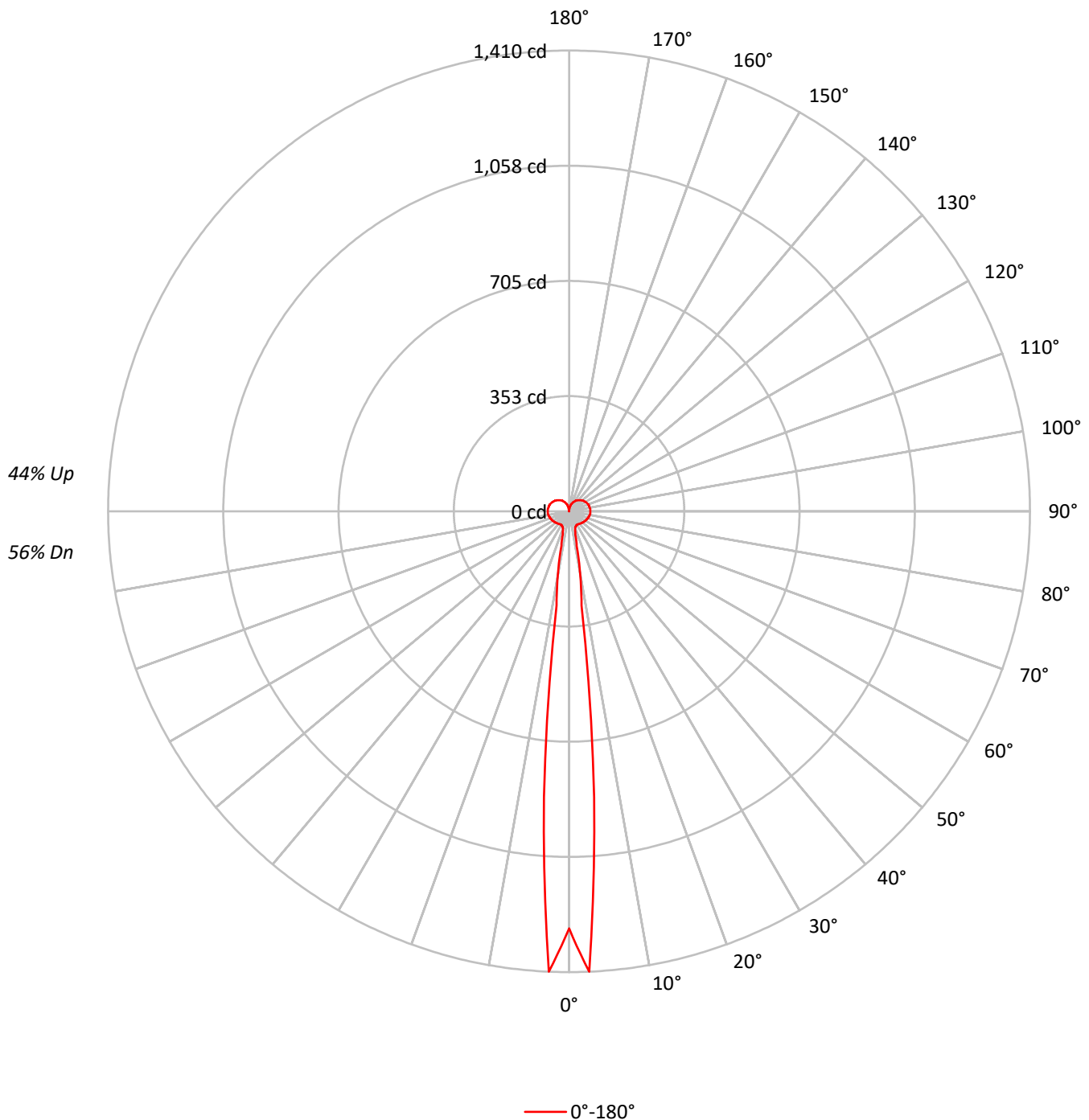
Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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

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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	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°	65407
5°	33060
10°	5924
15°	1886
20°	1181
25°	956
30°	832
35°	764
40°	740
45°	724
50°	715
55°	712
60°	715
65°	721
70°	734
75°	752
80°	764
85°	783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	7.5
10°-20°	24.6	3.3
20°-30°	23.2	3.1
30°-40°	30.5	4.1
40°-50°	40.2	5.3
50°-60°	49.9	6.6
60°-70°	58.9	7.8
70°-80°	66.6	8.9
80°-90°	70.8	9.4
90°-100°	70.8	9.4
100°-110°	67.0	8.9
110°-120°	59.7	8.0
120°-130°	49.3	6.6
130°-140°	37.3	5.0
140°-150°	25.5	3.4
150°-160°	14.4	1.9
160°-170°	5.7	0.8
170°-180°	0.5	0.1
0°-30°	103.9	13.8
0°-40°	134.4	17.9
0°-60°	224.5	29.9
0°-90°	420.8	56.0
90°-120°	197.5	26.3
90°-150°	309.6	41.2
90°-180°	330.0	43.9
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1276	
5°	878	56
15°	75	25
25°	50	23
35°	48	30
45°	52	40
55°	56	50
65°	59	59
75°	63	67
85°	65	53
90°	65	36
95°	65	53
105°	63	67
115°	60	60
125°	55	49
135°	48	37
145°	40	25
155°	31	14
165°	20	6
175°	2	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1276.3
2.5°	1410.0
5°	877.8
7.5°	291.0
10°	197.8
12.5°	108.3
15°	75.4
17.5°	62.2
20°	54.6
22.5°	51.8
25°	49.9
27.5°	48.0
30°	48.0
32.5°	48.0
35°	48.0
37.5°	49.0
40°	49.9
42.5°	50.9
45°	51.8
47.5°	52.7
50°	53.7
52.5°	54.6
55°	55.6
57.5°	56.5
60°	57.5
62.5°	58.4
65°	59.3
67.5°	60.3
70°	61.2
72.5°	62.2
75°	63.1
77.5°	64.0
80°	64.0
82.5°	65.0
85°	65.0
87.5°	65.0
90°	65.0
92.5°	65.0
95°	65.0
97.5°	65.0
100°	64.0
102.5°	64.0
105°	63.1
107.5°	63.1
110°	62.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.2
115°	60.3
117.5°	59.3
120°	57.5
122.5°	56.5
125°	54.6
127.5°	53.7
130°	51.8
132.5°	49.9
135°	48.0
137.5°	46.2
140°	44.3
142.5°	42.4
145°	40.5
147.5°	38.6
150°	35.8
152.5°	33.0
155°	31.1
157.5°	28.3
160°	25.4
162.5°	23.5
165°	19.8
167.5°	16.0
170°	11.3
172.5°	6.6
175°	1.9
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	6.2	7.2	7.1	8.1	9.3	6.2	7.2	7.1	8.1	9.3
	3H	9.2	10.2	10.1	11.1	12.3	9.2	10.2	10.1	11.1	12.3
	4H	10.7	11.6	11.6	12.6	13.8	10.7	11.6	11.6	12.6	13.8
	6H	12.2	13.1	13.1	14.0	15.2	12.2	13.1	13.1	14.0	15.2
	8H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	12H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
4H	2H	7.0	7.9	7.9	8.8	10.0	7.0	7.9	7.9	8.8	10.0
	3H	10.2	11.0	11.1	11.9	13.2	10.2	11.0	11.1	11.9	13.2
	4H	11.8	12.6	12.8	13.5	14.8	11.8	12.6	12.8	13.5	14.8
	6H	13.5	14.1	14.4	15.1	16.4	13.5	14.1	14.4	15.1	16.4
	8H	14.3	14.9	15.2	15.9	17.1	14.3	14.9	15.2	15.9	17.1
	12H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
8H	4H	12.4	13.0	13.3	14.0	15.2	12.4	13.0	13.3	14.0	15.2
	6H	14.2	14.7	15.2	15.8	17.0	14.2	14.7	15.2	15.8	17.0
	8H	15.2	15.7	16.1	16.6	17.9	15.2	15.7	16.1	16.6	17.9
	12H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
12H	4H	12.5	13.1	13.4	14.0	15.3	12.5	13.1	13.4	14.0	15.3
	6H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
	8H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2

(END OF REPORT)