

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: P1244980

Luminaire Tested: PRLX-MIN-S-935-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-935-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

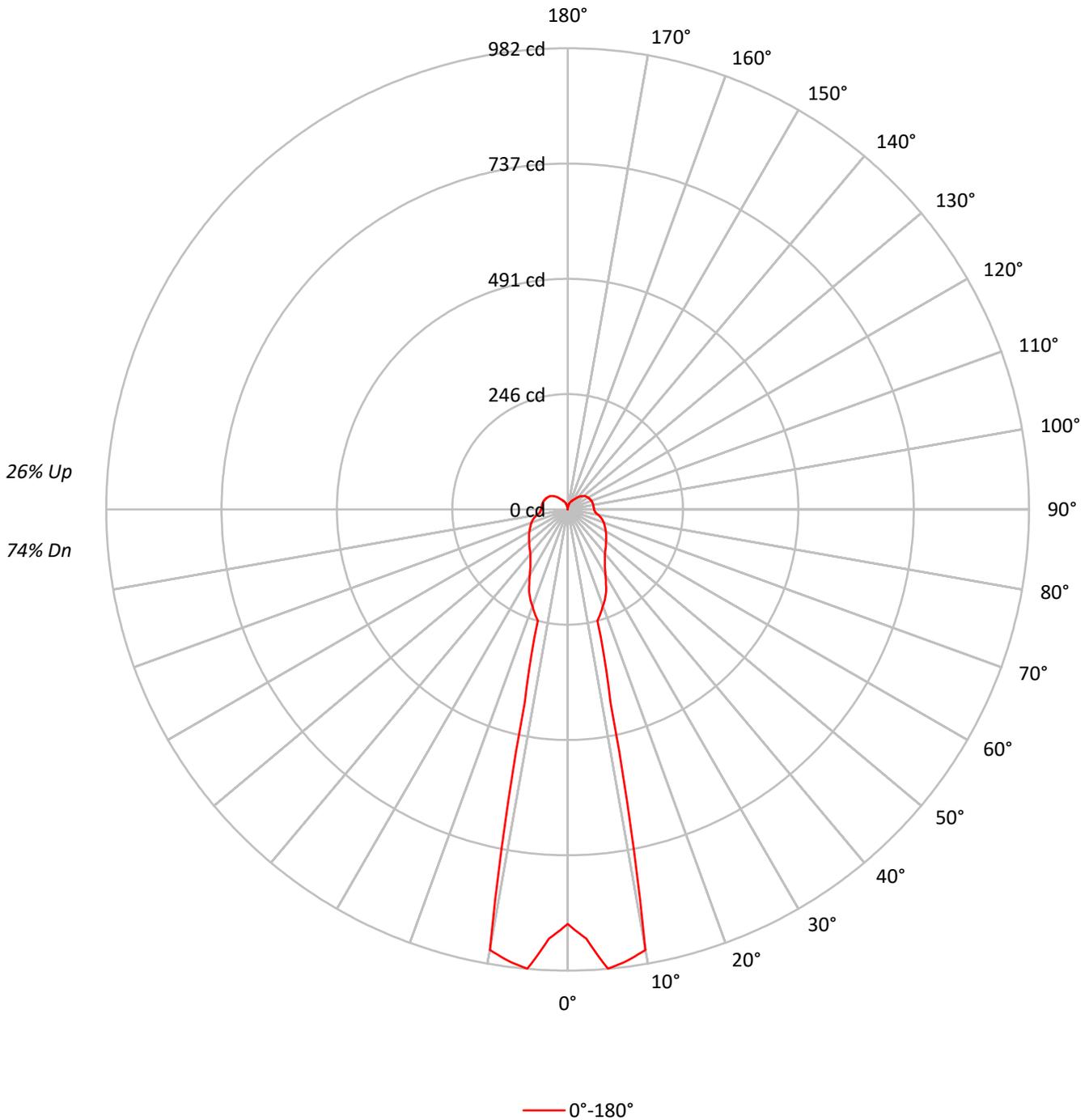
Lumens per Lamp: N/A
Luminaire Lumens: 1046.1 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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

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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27	34	29	26	32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24332
5°	24205
10°	21405
15°	5095
20°	4259
25°	3575
30°	2842
35°	2348
40°	2048
45°	1867
50°	1719
55°	1611
60°	1516
65°	1429
70°	1365
75°	1281
80°	1172
85°	1094

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1867 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	8.8
10°-20°	96.7	9.2
20°-30°	88.0	8.4
30°-40°	87.1	8.3
40°-50°	88.7	8.5
50°-60°	89.8	8.6
60°-70°	86.9	8.3
70°-80°	78.5	7.5
80°-90°	64.7	6.2
90°-100°	60.7	5.8
100°-110°	57.9	5.5
110°-120°	51.7	4.9
120°-130°	42.8	4.1
130°-140°	30.6	2.9
140°-150°	17.5	1.7
150°-160°	9.1	0.9
160°-170°	3.5	0.3
170°-180°	0.3	0.0
0°-30°	276.3	26.4
0°-40°	363.3	34.7
0°-60°	541.8	51.8
0°-90°	771.9	73.8
90°-120°	170.3	16.3
90°-150°	261.3	25.0
90°-180°	274.0	26.2
0°-180°	1046.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	883	
5°	982	92
15°	245	97
25°	194	88
35°	138	87
45°	115	89
55°	100	90
65°	87	87
75°	74	79
85°	58	49
90°	56	31
95°	55	45
105°	54	58
115°	52	52
125°	48	43
135°	39	31
145°	27	18
155°	19	9
165°	12	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	883.0
2.5°	915.1
5°	981.6
7.5°	969.6
10°	952.7
12.5°	421.5
15°	245.2
17.5°	232.4
20°	218.8
22.5°	207.5
25°	193.9
27.5°	176.3
30°	161.1
32.5°	147.4
35°	137.8
37.5°	129.8
40°	123.4
42.5°	118.6
45°	114.6
47.5°	110.6
50°	106.6
52.5°	103.4
55°	100.2
57.5°	97.0
60°	93.8
62.5°	90.5
65°	87.3
67.5°	84.9
70°	81.7
72.5°	78.5
75°	74.5
77.5°	70.5
80°	65.7
82.5°	60.9
85°	58.5
87.5°	56.9
90°	56.1
92.5°	56.1
95°	55.3
97.5°	55.3
100°	55.3
102.5°	55.3
105°	54.5
107.5°	54.5
110°	53.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.9
115°	52.1
117.5°	51.3
120°	50.5
122.5°	48.9
125°	48.1
127.5°	46.5
130°	44.1
132.5°	42.5
135°	39.3
137.5°	36.9
140°	33.7
142.5°	30.4
145°	27.2
147.5°	24.8
150°	23.2
152.5°	21.6
155°	19.2
157.5°	17.6
160°	16.0
162.5°	14.4
165°	12.0
167.5°	9.6
170°	6.4
172.5°	3.2
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	10.3	11.5	11.1	12.2	13.1	10.3	11.5	11.1	12.2	13.1
	3H	12.6	13.7	13.4	14.4	15.4	12.6	13.7	13.4	14.4	15.4
	4H	13.7	14.7	14.4	15.5	16.4	13.7	14.7	14.4	15.5	16.4
	6H	14.7	15.6	15.4	16.4	17.3	14.7	15.6	15.4	16.4	17.3
	8H	15.1	16.0	15.8	16.8	17.7	15.1	16.0	15.8	16.8	17.7
	12H	15.5	16.3	16.3	17.1	18.1	15.5	16.3	16.3	17.1	18.1
4H	2H	10.9	11.9	11.7	12.7	13.6	10.9	11.9	11.7	12.7	13.6
	3H	13.5	14.3	14.2	15.1	16.1	13.5	14.3	14.2	15.1	16.1
	4H	14.7	15.4	15.4	16.2	17.2	14.7	15.4	15.4	16.2	17.2
	6H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
	8H	16.3	16.9	17.1	17.8	18.7	16.3	16.9	17.1	17.8	18.7
	12H	16.8	17.4	17.6	18.2	19.2	16.8	17.4	17.6	18.2	19.2
8H	4H	15.0	15.7	15.8	16.5	17.5	15.0	15.7	15.8	16.5	17.5
	6H	16.3	16.9	17.2	17.8	18.7	16.3	16.9	17.2	17.8	18.7
	8H	17.0	17.5	17.8	18.3	19.3	17.0	17.5	17.8	18.3	19.3
	12H	17.6	18.1	18.5	18.9	20.0	17.6	18.1	18.5	18.9	20.0
12H	4H	15.1	15.7	15.9	16.5	17.5	15.1	15.7	15.9	16.5	17.5
	6H	16.5	17.0	17.3	17.8	18.8	16.5	17.0	17.3	17.8	18.8
	8H	17.2	17.6	18.0	18.5	19.5	17.2	17.6	18.0	18.5	19.5

(END OF REPORT)