

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: P1244962

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244962
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-930-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

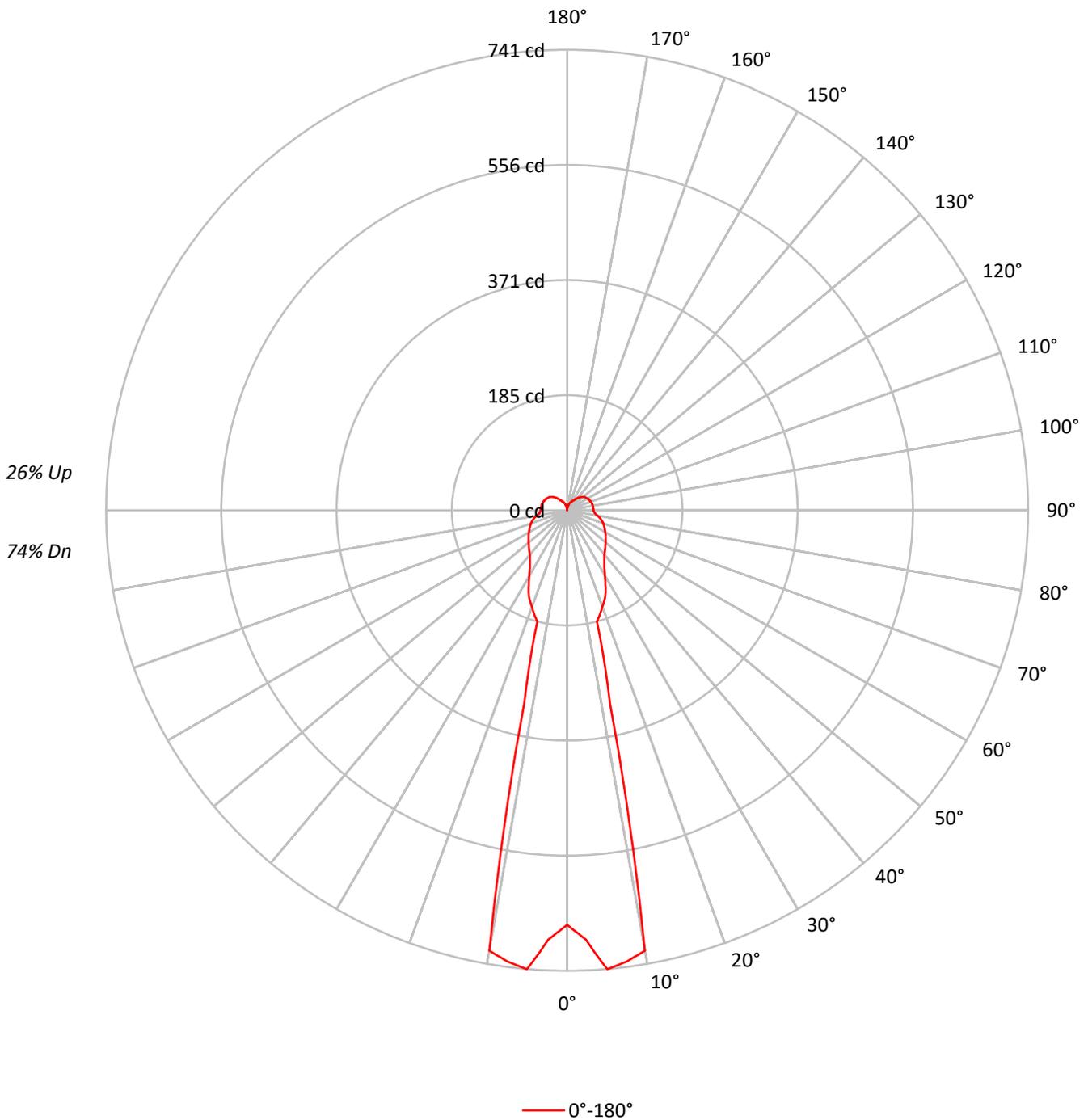
Lumens per Lamp: N/A
Luminaire Lumens: 790.1 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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	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°	18377
5°	18279
10°	16168
15°	3848
20°	3216
25°	2701
30°	2145
35°	1774
40°	1547
45°	1409
50°	1298
55°	1216
60°	1144
65°	1080
70°	1031
75°	968
80°	885
85°	827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	8.8
10°-20°	73.0	9.2
20°-30°	66.5	8.4
30°-40°	65.8	8.3
40°-50°	66.9	8.5
50°-60°	67.8	8.6
60°-70°	65.6	8.3
70°-80°	59.3	7.5
80°-90°	48.9	6.2
90°-100°	45.9	5.8
100°-110°	43.7	5.5
110°-120°	39.0	4.9
120°-130°	32.3	4.1
130°-140°	23.1	2.9
140°-150°	13.3	1.7
150°-160°	6.9	0.9
160°-170°	2.6	0.3
170°-180°	0.2	0.0
0°-30°	208.6	26.4
0°-40°	274.4	34.7
0°-60°	409.1	51.8
0°-90°	583.0	73.8
90°-120°	128.6	16.3
90°-150°	197.3	25.0
90°-180°	207.0	26.2
0°-180°	790.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	667	
5°	741	69
15°	185	73
25°	146	66
35°	104	66
45°	86	67
55°	76	68
65°	66	66
75°	56	59
85°	44	37
90°	42	23
95°	42	34
105°	41	44
115°	39	39
125°	36	32
135°	30	23
145°	21	13
155°	14	7
165°	9	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	666.9
2.5°	691.1
5°	741.3
7.5°	732.3
10°	719.6
12.5°	318.3
15°	185.2
17.5°	175.5
20°	165.2
22.5°	156.7
25°	146.5
27.5°	133.1
30°	121.6
32.5°	111.4
35°	104.1
37.5°	98.0
40°	93.2
42.5°	89.6
45°	86.5
47.5°	83.5
50°	80.5
52.5°	78.1
55°	75.6
57.5°	73.2
60°	70.8
62.5°	68.4
65°	66.0
67.5°	64.1
70°	61.7
72.5°	59.3
75°	56.3
77.5°	53.3
80°	49.6
82.5°	46.0
85°	44.2
87.5°	43.0
90°	42.4
92.5°	42.4
95°	41.8
97.5°	41.8
100°	41.8
102.5°	41.8
105°	41.2
107.5°	41.2
110°	40.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.9
115°	39.3
117.5°	38.7
120°	38.1
122.5°	36.9
125°	36.3
127.5°	35.1
130°	33.3
132.5°	32.1
135°	29.7
137.5°	27.8
140°	25.4
142.5°	23.0
145°	20.6
147.5°	18.8
150°	17.6
152.5°	16.3
155°	14.5
157.5°	13.3
160°	12.1
162.5°	10.9
165°	9.1
167.5°	7.3
170°	4.8
172.5°	2.4
175°	0.6
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	9.4	10.5	10.1	11.2	12.1	9.4	10.5	10.1	11.2	12.1
	3H	11.7	12.7	12.4	13.5	14.4	11.7	12.7	12.4	13.5	14.4
	4H	12.7	13.7	13.5	14.5	15.4	12.7	13.7	13.5	14.5	15.4
	6H	13.7	14.6	14.4	15.4	16.3	13.7	14.6	14.4	15.4	16.3
	8H	14.1	15.0	14.9	15.8	16.7	14.1	15.0	14.9	15.8	16.7
	12H	14.5	15.4	15.3	16.1	17.1	14.5	15.4	15.3	16.1	17.1
4H	2H	10.0	10.9	10.7	11.7	12.6	10.0	10.9	10.7	11.7	12.6
	3H	12.5	13.3	13.2	14.1	15.1	12.5	13.3	13.2	14.1	15.1
	4H	13.7	14.5	14.5	15.3	16.2	13.7	14.5	14.5	15.3	16.2
	6H	14.8	15.5	15.6	16.3	17.3	14.8	15.5	15.6	16.3	17.3
	8H	15.3	16.0	16.1	16.8	17.8	15.3	16.0	16.1	16.8	17.8
	12H	15.8	16.4	16.6	17.2	18.2	15.8	16.4	16.6	17.2	18.2
8H	4H	14.1	14.7	14.9	15.5	16.5	14.1	14.7	14.9	15.5	16.5
	6H	15.4	15.9	16.2	16.8	17.8	15.4	15.9	16.2	16.8	17.8
	8H	16.0	16.5	16.8	17.4	18.4	16.0	16.5	16.8	17.4	18.4
	12H	16.7	17.1	17.5	17.9	19.0	16.7	17.1	17.5	17.9	19.0
12H	4H	14.1	14.7	14.9	15.6	16.6	14.1	14.7	14.9	15.6	16.6
	6H	15.5	16.0	16.3	16.8	17.9	15.5	16.0	16.3	16.8	17.9
	8H	16.2	16.6	17.0	17.5	18.5	16.2	16.6	17.0	17.5	18.5

(END OF REPORT)