

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: P1244977

Luminaire Tested: PRLX-MIN-S-935-07L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244977
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-935-07L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

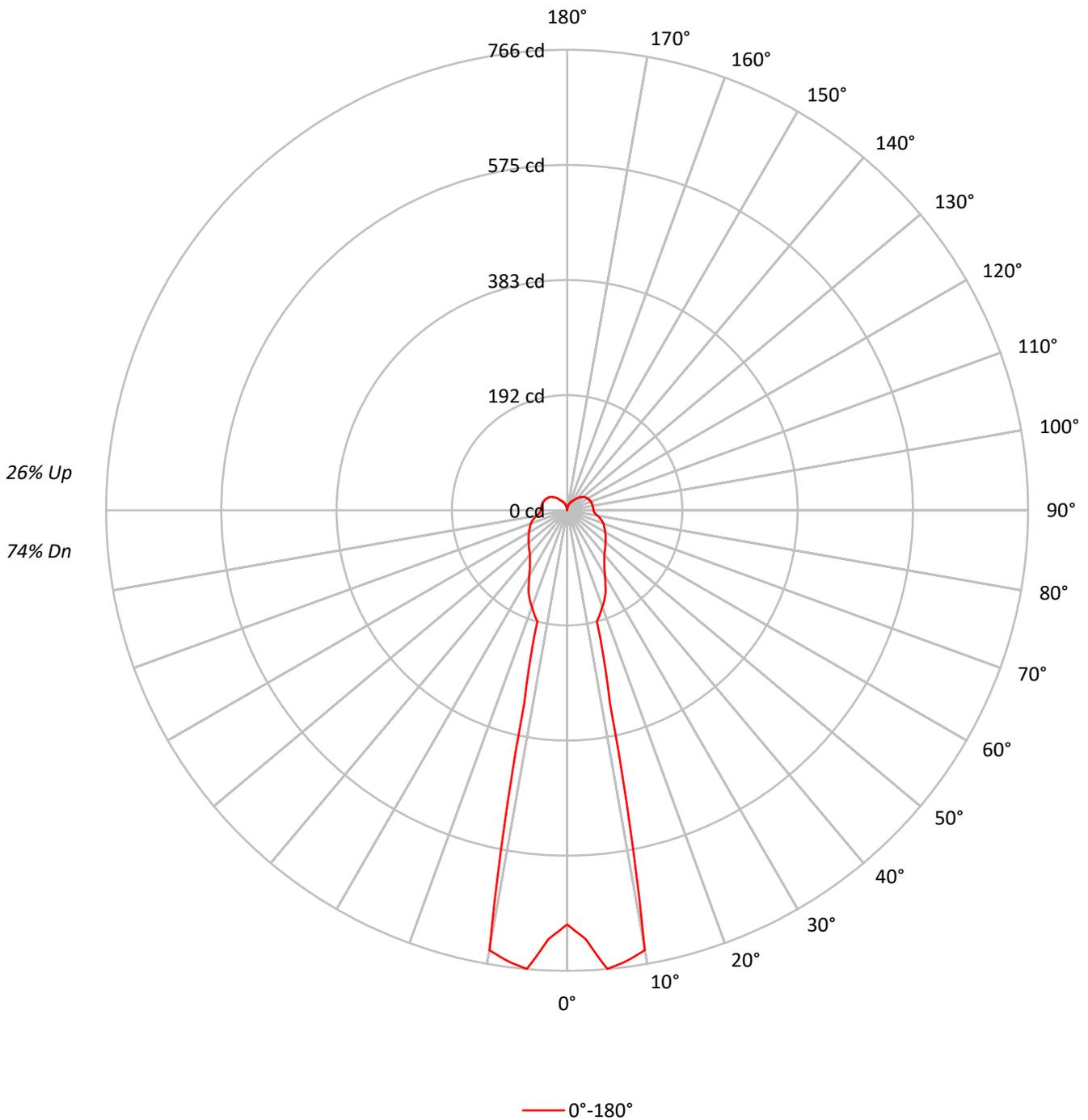
Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
Input Voltage (V): NR
Input Current (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°	18983
5°	18881
10°	16698
15°	3975
20°	3323
25°	2790
30°	2216
35°	1831
40°	1598
45°	1457
50°	1340
55°	1256
60°	1181
65°	1114
70°	1066
75°	999
80°	915
85°	853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	8.8
10°-20°	75.4	9.2
20°-30°	68.7	8.4
30°-40°	67.9	8.3
40°-50°	69.2	8.5
50°-60°	70.0	8.6
60°-70°	67.8	8.3
70°-80°	61.3	7.5
80°-90°	50.5	6.2
90°-100°	47.3	5.8
100°-110°	45.1	5.5
110°-120°	40.4	4.9
120°-130°	33.4	4.1
130°-140°	23.9	2.9
140°-150°	13.7	1.7
150°-160°	7.1	0.9
160°-170°	2.7	0.3
170°-180°	0.2	0.0
0°-30°	215.5	26.4
0°-40°	283.4	34.7
0°-60°	422.6	51.8
0°-90°	602.1	73.8
90°-120°	132.8	16.3
90°-150°	203.8	25.0
90°-180°	214.0	26.2
0°-180°	816.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	689	
5°	766	71
15°	191	75
25°	151	69
35°	108	68
45°	89	69
55°	78	70
65°	68	68
75°	58	61
85°	46	38
90°	44	24
95°	43	35
105°	42	45
115°	41	40
125°	38	33
135°	31	24
145°	21	14
155°	15	7
165°	9	3
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	688.9
2.5°	713.9
5°	765.7
7.5°	756.4
10°	743.2
12.5°	328.8
15°	191.3
17.5°	181.3
20°	170.7
22.5°	161.9
25°	151.3
27.5°	137.5
30°	125.6
32.5°	115.0
35°	107.5
37.5°	101.3
40°	96.3
42.5°	92.5
45°	89.4
47.5°	86.3
50°	83.1
52.5°	80.6
55°	78.1
57.5°	75.6
60°	73.1
62.5°	70.6
65°	68.1
67.5°	66.3
70°	63.8
72.5°	61.3
75°	58.1
77.5°	55.0
80°	51.3
82.5°	47.5
85°	45.6
87.5°	44.4
90°	43.8
92.5°	43.8
95°	43.1
97.5°	43.1
100°	43.1
102.5°	43.1
105°	42.5
107.5°	42.5
110°	41.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.3
115°	40.6
117.5°	40.0
120°	39.4
122.5°	38.1
125°	37.5
127.5°	36.3
130°	34.4
132.5°	33.1
135°	30.6
137.5°	28.8
140°	26.3
142.5°	23.8
145°	21.3
147.5°	19.4
150°	18.1
152.5°	16.9
155°	15.0
157.5°	13.8
160°	12.5
162.5°	11.3
165°	9.4
167.5°	7.5
170°	5.0
172.5°	2.5
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	9.5	10.6	10.2	11.4	12.2	9.5	10.6	10.2	11.4	12.2
	3H	11.8	12.8	12.5	13.6	14.5	11.8	12.8	12.5	13.6	14.5
	4H	12.8	13.8	13.6	14.6	15.5	12.8	13.8	13.6	14.6	15.5
	6H	13.8	14.7	14.6	15.5	16.4	13.8	14.7	14.6	15.5	16.4
	8H	14.2	15.1	15.0	15.9	16.8	14.2	15.1	15.0	15.9	16.8
	12H	14.6	15.5	15.4	16.3	17.2	14.6	15.5	15.4	16.3	17.2
4H	2H	10.1	11.1	10.8	11.8	12.7	10.1	11.1	10.8	11.8	12.7
	3H	12.6	13.5	13.4	14.3	15.2	12.6	13.5	13.4	14.3	15.2
	4H	13.8	14.6	14.6	15.4	16.4	13.8	14.6	14.6	15.4	16.4
	6H	14.9	15.6	15.7	16.4	17.4	14.9	15.6	15.7	16.4	17.4
	8H	15.4	16.1	16.2	16.9	17.9	15.4	16.1	16.2	16.9	17.9
	12H	15.9	16.5	16.7	17.4	18.4	15.9	16.5	16.7	17.4	18.4
8H	4H	14.2	14.8	15.0	15.7	16.6	14.2	14.8	15.0	15.7	16.6
	6H	15.5	16.0	16.3	16.9	17.9	15.5	16.0	16.3	16.9	17.9
	8H	16.1	16.6	16.9	17.5	18.5	16.1	16.6	16.9	17.5	18.5
	12H	16.8	17.2	17.6	18.1	19.1	16.8	17.2	17.6	18.1	19.1
12H	4H	14.2	14.8	15.1	15.7	16.7	14.2	14.8	15.1	15.7	16.7
	6H	15.6	16.1	16.4	16.9	18.0	15.6	16.1	16.4	16.9	18.0
	8H	16.3	16.8	17.1	17.6	18.7	16.3	16.8	17.1	17.6	18.7

(END OF REPORT)