

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: P1245483

Luminaire Tested: PRLX-UNA-S-935-09L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-935-09L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

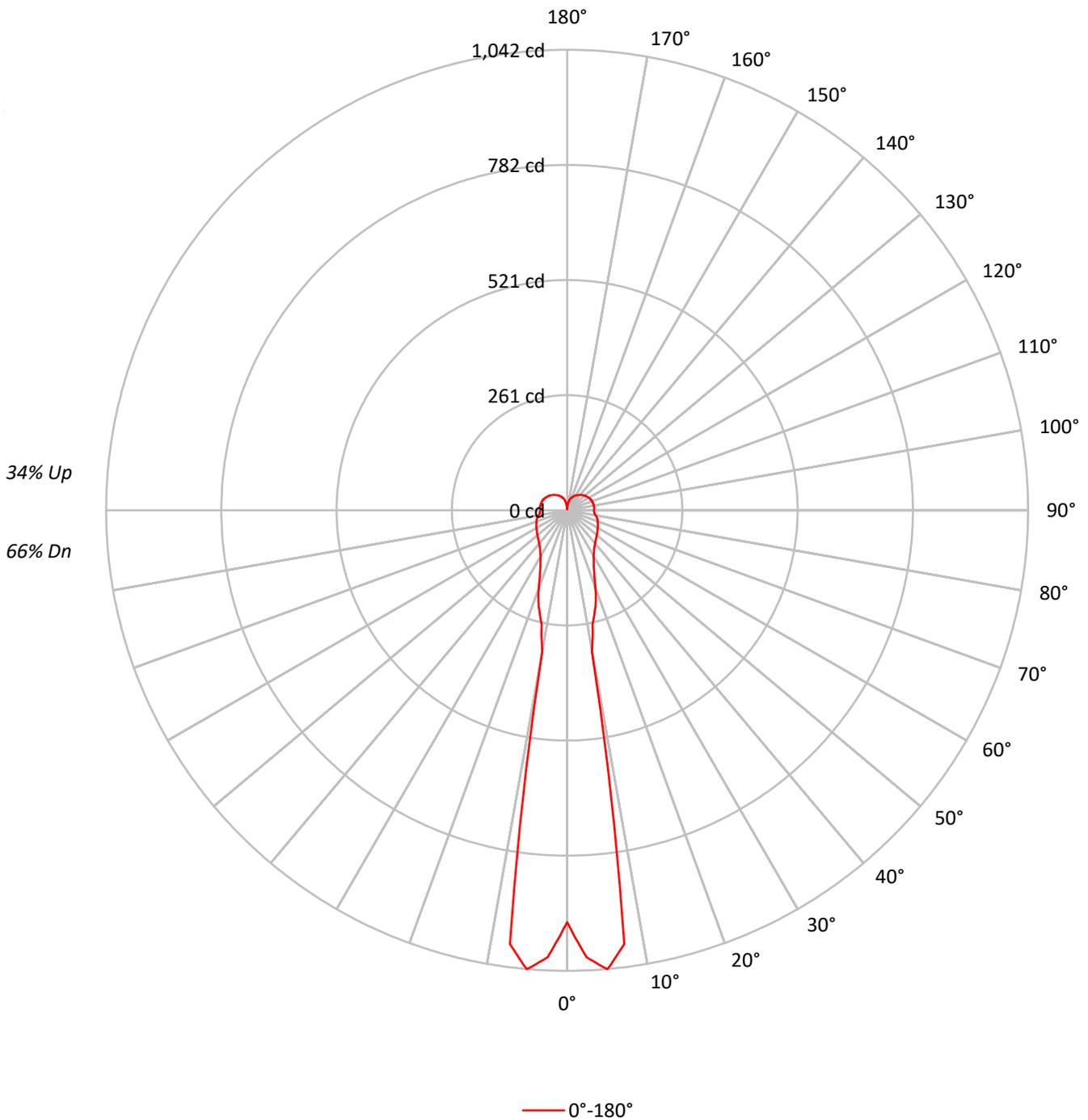
Lumens per Lamp: N/A
Luminaire Lumens: 975.0 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

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

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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	111	111	111	111	105	105	105	105	92	92	92		81	81	81		71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71		68	65	63		59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58		59	55	52		52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49		53	48	44		46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43		48	43	39		42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38		44	38	34		38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34		40	35	31		36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31		37	32	28		33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28		35	30	26		31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26		33	28	24		30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24		31	26	23		28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45657
5°	42369
10°	11349
15°	7402
20°	5206
25°	3637
30°	2833
35°	2372
40°	2082
45°	1881
50°	1726
55°	1605
60°	1518
65°	1445
70°	1383
75°	1331
80°	1257
85°	1222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1881 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	8.4
10°-20°	67.5	6.9
20°-30°	67.0	6.9
30°-40°	67.3	6.9
40°-50°	71.5	7.3
50°-60°	74.9	7.7
60°-70°	76.0	7.8
70°-80°	74.0	7.6
80°-90°	67.8	6.9
90°-100°	67.0	6.9
100°-110°	64.2	6.6
110°-120°	58.1	6.0
120°-130°	48.6	5.0
130°-140°	37.7	3.9
140°-150°	26.5	2.7
150°-160°	16.2	1.7
160°-170°	7.5	0.8
170°-180°	1.2	0.1
0°-30°	216.5	22.2
0°-40°	283.8	29.1
0°-60°	430.1	44.1
0°-90°	647.9	66.5
90°-120°	189.3	19.4
90°-150°	302.2	31.0
90°-180°	327.0	33.5
0°-180°	975.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	1042	82
15°	240	67
25°	143	67
35°	106	67
45°	92	71
55°	83	75
65°	77	76
75°	70	74
85°	62	51
90°	61	33
95°	62	50
105°	61	64
115°	58	58
125°	54	49
135°	49	38
145°	42	26
155°	35	16
165°	26	7
175°	10	1
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	932.0
2.5°	1012.0
5°	1042.5
7.5°	989.7
10°	324.7
12.5°	265.4
15°	239.8
17.5°	215.9
20°	187.1
22.5°	160.7
25°	142.6
27.5°	130.2
30°	119.5
32.5°	112.9
35°	106.3
37.5°	102.2
40°	98.1
42.5°	94.8
45°	92.3
47.5°	89.8
50°	87.4
52.5°	85.7
55°	83.2
57.5°	81.6
60°	79.9
62.5°	78.3
65°	76.6
67.5°	75.0
70°	73.3
72.5°	72.5
75°	70.0
77.5°	68.4
80°	65.1
82.5°	62.6
85°	61.8
87.5°	61.0
90°	61.0
92.5°	61.0
95°	61.8
97.5°	61.8
100°	61.0
102.5°	61.0
105°	61.0
107.5°	60.2
110°	60.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.3
115°	58.5
117.5°	57.7
120°	56.9
122.5°	55.2
125°	54.4
127.5°	52.7
130°	51.9
132.5°	50.3
135°	48.6
137.5°	47.0
140°	45.3
142.5°	43.7
145°	42.0
147.5°	40.4
150°	38.7
152.5°	37.1
155°	34.6
157.5°	33.0
160°	30.5
162.5°	28.8
165°	26.4
167.5°	23.1
170°	19.0
172.5°	14.8
175°	9.9
177.5°	4.9
180°	2.5



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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	9.7	10.8	10.5	11.6	12.6	9.7	10.8	10.5	11.6	12.6
	3H	12.1	13.1	12.9	13.9	15.0	12.1	13.1	12.9	13.9	15.0
	4H	13.3	14.2	14.1	15.1	16.1	13.3	14.2	14.1	15.1	16.1
	6H	14.4	15.3	15.2	16.1	17.2	14.4	15.3	15.2	16.1	17.2
	8H	14.9	15.7	15.7	16.6	17.7	14.9	15.7	15.7	16.6	17.7
	12H	15.4	16.2	16.2	17.1	18.2	15.4	16.2	16.2	17.1	18.2
4H	2H	10.3	11.2	11.1	12.1	13.1	10.3	11.2	11.1	12.1	13.1
	3H	13.0	13.8	13.8	14.6	15.7	13.0	13.8	13.8	14.6	15.7
	4H	14.3	15.0	15.1	15.9	17.0	14.3	15.0	15.1	15.9	17.0
	6H	15.6	16.2	16.4	17.1	18.2	15.6	16.2	16.4	17.1	18.2
	8H	16.2	16.8	17.0	17.7	18.8	16.2	16.8	17.0	17.7	18.8
	12H	16.8	17.3	17.6	18.2	19.3	16.8	17.3	17.6	18.2	19.3
8H	4H	14.7	15.3	15.6	16.2	17.3	14.7	15.3	15.6	16.2	17.3
	6H	16.2	16.7	17.1	17.6	18.7	16.2	16.7	17.1	17.6	18.7
	8H	16.9	17.4	17.8	18.3	19.4	16.9	17.4	17.8	18.3	19.4
	12H	17.7	18.1	18.6	19.0	20.2	17.7	18.1	18.6	19.0	20.2
12H	4H	14.8	15.3	15.7	16.3	17.4	14.8	15.3	15.7	16.3	17.4
	6H	16.3	16.8	17.2	17.7	18.9	16.3	16.8	17.2	17.7	18.9
	8H	17.1	17.5	18.0	18.5	19.6	17.1	17.5	18.0	18.5	19.6

(END OF REPORT)