

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: P1245486

Luminaire Tested: PRLX-UNA-S-935-12L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245486
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-935-12L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

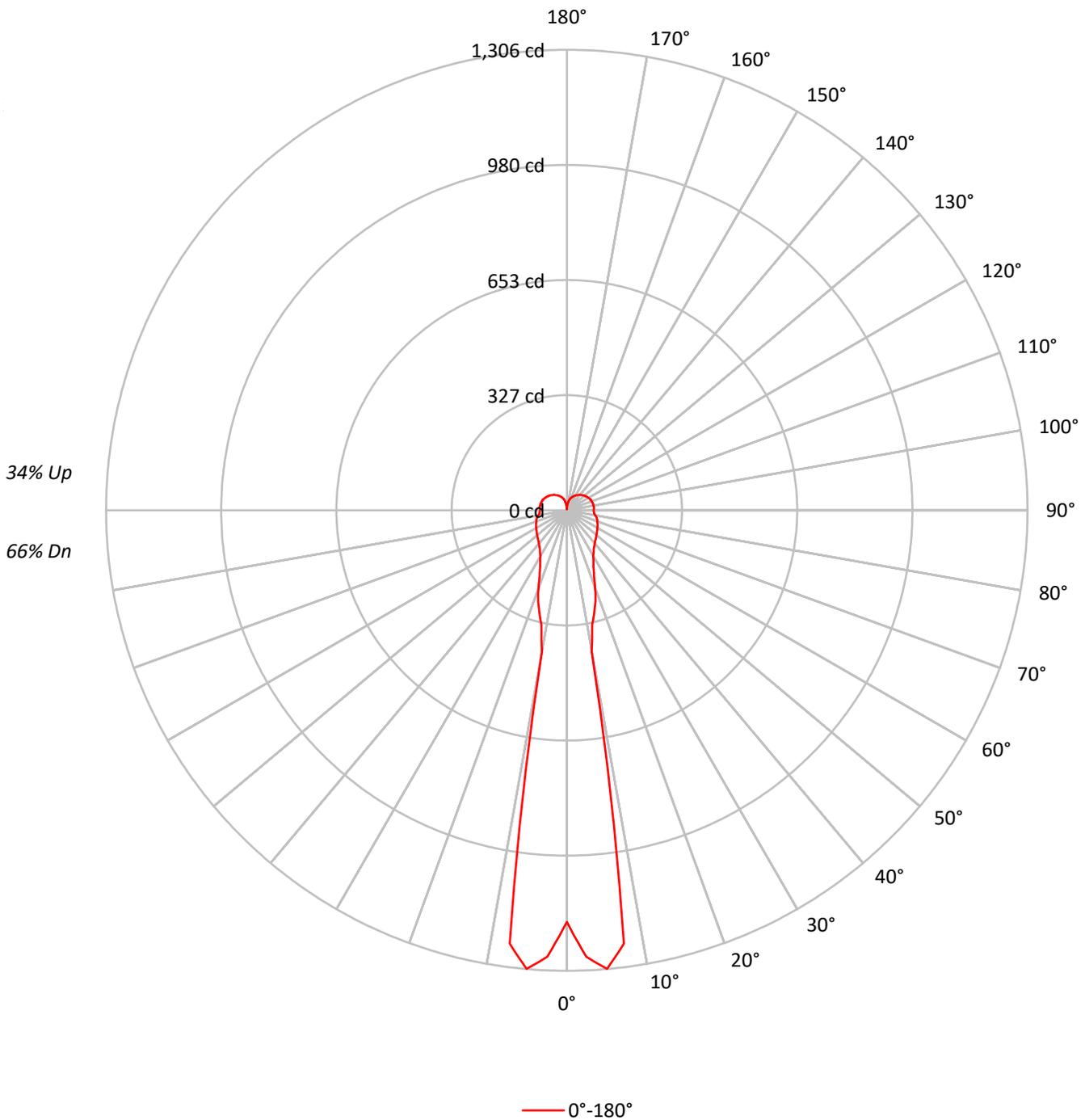
Lumens per Lamp: N/A
Luminaire Lumens: 1221.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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	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°	57179
5°	53057
10°	14212
15°	9269
20°	6519
25°	4553
30°	3547
35°	2970
40°	2606
45°	2355
50°	2160
55°	2010
60°	1902
65°	1810
70°	1731
75°	1667
80°	1574
85°	1530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2355 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	8.4
10°-20°	84.5	6.9
20°-30°	83.9	6.9
30°-40°	84.3	6.9
40°-50°	89.5	7.3
50°-60°	93.8	7.7
60°-70°	95.2	7.8
70°-80°	92.8	7.6
80°-90°	84.9	7.0
90°-100°	83.9	6.9
100°-110°	80.4	6.6
110°-120°	72.7	6.0
120°-130°	60.9	5.0
130°-140°	47.3	3.9
140°-150°	33.2	2.7
150°-160°	20.3	1.7
160°-170°	9.3	0.8
170°-180°	1.5	0.1
0°-30°	271.1	22.2
0°-40°	355.3	29.1
0°-60°	538.6	44.1
0°-90°	811.4	66.5
90°-120°	237.0	19.4
90°-150°	378.4	31.0
90°-180°	410.0	33.6
0°-180°	1221.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1167	
5°	1306	103
15°	300	84
25°	178	84
35°	133	84
45°	116	89
55°	104	94
65°	96	95
75°	88	93
85°	77	64
90°	76	42
95°	77	63
105°	76	80
115°	73	73
125°	68	61
135°	61	47
145°	53	33
155°	43	20
165°	33	9
175°	12	2
180°	3	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1167.2
2.5°	1267.3
5°	1305.5
7.5°	1239.4
10°	406.6
12.5°	332.3
15°	300.3
17.5°	270.4
20°	234.3
22.5°	201.2
25°	178.5
27.5°	163.1
30°	149.6
32.5°	141.4
35°	133.1
37.5°	128.0
40°	122.8
42.5°	118.7
45°	115.6
47.5°	112.5
50°	109.4
52.5°	107.3
55°	104.2
57.5°	102.2
60°	100.1
62.5°	98.0
65°	96.0
67.5°	93.9
70°	91.8
72.5°	90.8
75°	87.7
77.5°	85.7
80°	81.5
82.5°	78.4
85°	77.4
87.5°	76.4
90°	76.4
92.5°	76.4
95°	77.4
97.5°	77.4
100°	76.4
102.5°	76.4
105°	76.4
107.5°	75.3
110°	75.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.3
115°	73.3
117.5°	72.2
120°	71.2
122.5°	69.1
125°	68.1
127.5°	66.0
130°	65.0
132.5°	63.0
135°	60.9
137.5°	58.8
140°	56.8
142.5°	54.7
145°	52.6
147.5°	50.6
150°	48.5
152.5°	46.4
155°	43.3
157.5°	41.3
160°	38.2
162.5°	36.1
165°	33.0
167.5°	28.9
170°	23.7
172.5°	18.6
175°	12.4
177.5°	6.2
180°	3.1



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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	10.5	11.5	11.2	12.4	13.4	10.5	11.5	11.2	12.4	13.4
	3H	12.9	13.9	13.7	14.7	15.8	12.9	13.9	13.7	14.7	15.8
	4H	14.1	15.0	14.9	15.8	16.9	14.1	15.0	14.9	15.8	16.9
	6H	15.2	16.1	16.0	16.9	18.0	15.2	16.1	16.0	16.9	18.0
	8H	15.7	16.5	16.5	17.4	18.5	15.7	16.5	16.5	17.4	18.5
	12H	16.2	17.0	17.0	17.8	18.9	16.2	17.0	17.0	17.8	18.9
4H	2H	11.1	12.0	11.9	12.9	13.9	11.1	12.0	11.9	12.9	13.9
	3H	13.7	14.6	14.6	15.4	16.5	13.7	14.6	14.6	15.4	16.5
	4H	15.1	15.8	15.9	16.7	17.8	15.1	15.8	15.9	16.7	17.8
	6H	16.3	17.0	17.2	17.9	19.0	16.3	17.0	17.2	17.9	19.0
	8H	16.9	17.6	17.8	18.4	19.6	16.9	17.6	17.8	18.4	19.6
	12H	17.5	18.1	18.4	19.0	20.1	17.5	18.1	18.4	19.0	20.1
8H	4H	15.5	16.1	16.4	17.0	18.1	15.5	16.1	16.4	17.0	18.1
	6H	17.0	17.5	17.8	18.4	19.5	17.0	17.5	17.8	18.4	19.5
	8H	17.7	18.2	18.6	19.1	20.2	17.7	18.2	18.6	19.1	20.2
	12H	18.4	18.9	19.4	19.8	21.0	18.4	18.9	19.4	19.8	21.0
12H	4H	15.6	16.1	16.4	17.0	18.2	15.6	16.1	16.4	17.0	18.2
	6H	17.1	17.6	18.0	18.5	19.6	17.1	17.6	18.0	18.5	19.6
	8H	17.9	18.3	18.8	19.2	20.4	17.9	18.3	18.8	19.2	20.4

(END OF REPORT)