

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: P1245265

Luminaire Tested: PRLX-NIM-S-935-12L-U-NR

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-935-12L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

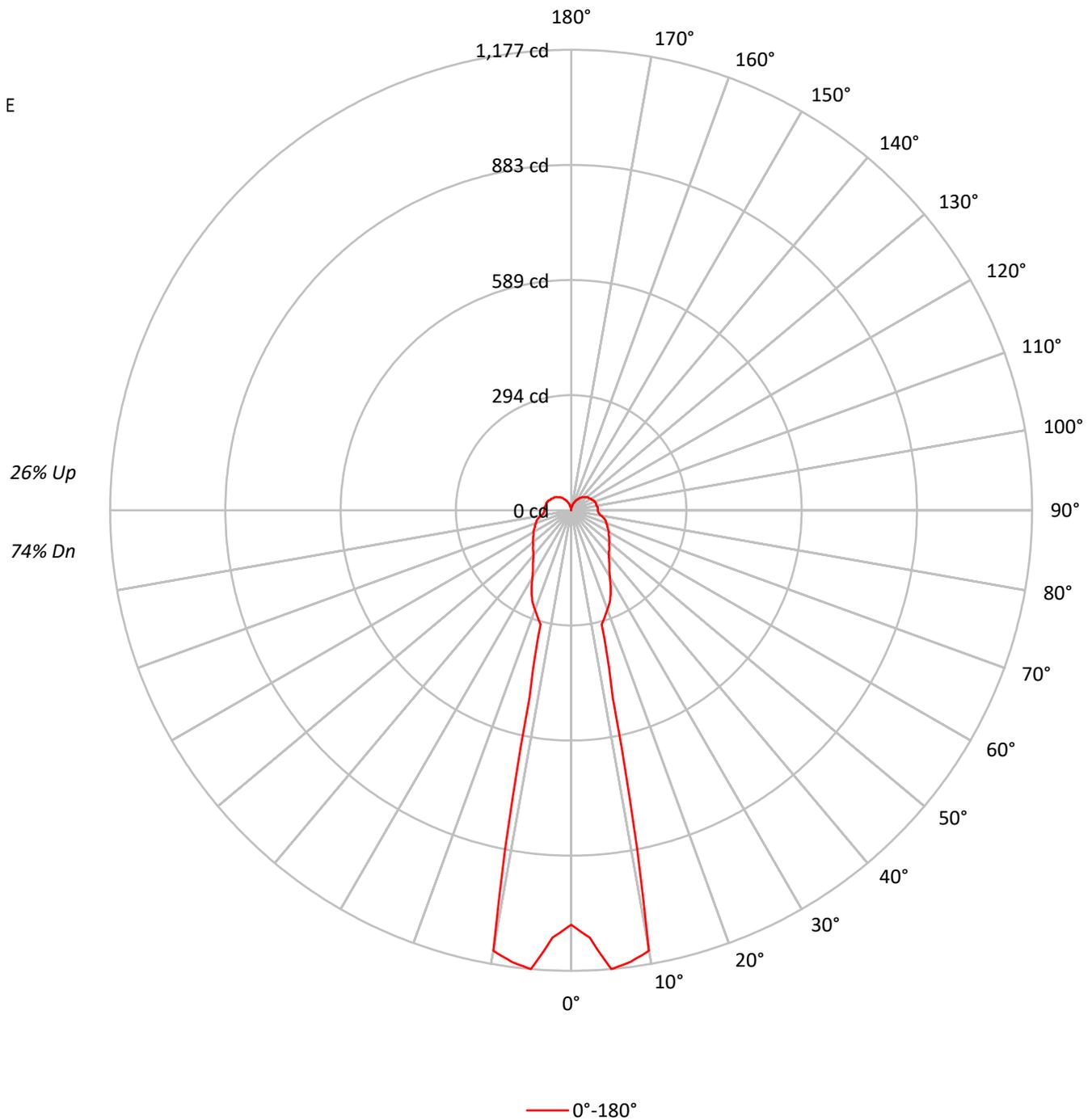
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1258.0 lumens  
Efficiency: N/A  
Efficacy: 43.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')  
CIE Type: Semi-Direct

Input Watts (W): 28.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	96	96	96		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	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	33516
5°	33073
10°	29081
15°	7060
20°	5890
25°	4904
30°	3875
35°	3214
40°	2746
45°	2486
50°	2251
55°	2080
60°	1964
65°	1821
70°	1729
75°	1648
80°	1485
85°	1414

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2486 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.8	8.7
10°-20°	116.5	9.3
20°-30°	108.5	8.6
30°-40°	106.8	8.5
40°-50°	106.5	8.5
50°-60°	105.9	8.4
60°-70°	102.1	8.1
70°-80°	92.9	7.4
80°-90°	77.3	6.1
90°-100°	74.0	5.9
100°-110°	69.3	5.5
110°-120°	60.8	4.8
120°-130°	49.6	3.9
130°-140°	37.0	2.9
140°-150°	23.8	1.9
150°-160°	12.4	1.0
160°-170°	4.3	0.3
170°-180°	0.4	0.0
0°-30°	334.8	26.6
0°-40°	441.6	35.1
0°-60°	654.0	52.0
0°-90°	926.4	73.6
90°-120°	204.1	16.2
90°-150°	314.6	25.0
90°-180°	332.0	26.4
0°-180°	1258.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1059	
5°	1177	110
15°	302	116
25°	238	108
35°	170	107
45°	138	106
55°	118	106
65°	102	102
75°	88	93
85°	70	59
90°	68	37
95°	68	55
105°	66	69
115°	61	61
125°	54	50
135°	48	37
145°	39	24
155°	27	12
165°	14	4
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1059.4
2.5°	1093.4
5°	1177.3
7.5°	1163.7
10°	1143.3
12.5°	490.0
15°	301.7
17.5°	285.8
20°	269.9
22.5°	256.3
25°	238.2
27.5°	217.8
30°	197.4
32.5°	181.5
35°	170.1
37.5°	158.8
40°	149.7
42.5°	142.9
45°	138.4
47.5°	131.6
50°	127.0
52.5°	122.5
55°	118.0
57.5°	113.4
60°	111.2
62.5°	106.6
65°	102.1
67.5°	99.8
70°	95.3
72.5°	93.0
75°	88.5
77.5°	83.9
80°	77.1
82.5°	72.6
85°	70.3
87.5°	68.1
90°	68.1
92.5°	68.1
95°	68.1
97.5°	68.1
100°	65.8
102.5°	65.8
105°	65.8
107.5°	65.8
110°	63.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	63.5
115°	61.2
117.5°	59.0
120°	59.0
122.5°	56.7
125°	54.4
127.5°	54.4
130°	52.2
132.5°	49.9
135°	47.6
137.5°	45.4
140°	43.1
142.5°	40.8
145°	38.6
147.5°	34.0
150°	31.8
152.5°	29.5
155°	27.2
157.5°	22.7
160°	20.4
162.5°	18.1
165°	13.6
167.5°	11.3
170°	9.1
172.5°	4.5
175°	2.3
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	11.1	12.2	11.8	13.0	13.9	11.1	12.2	11.8	13.0	13.9
	3H	13.4	14.4	14.1	15.2	16.1	13.4	14.4	14.1	15.2	16.1
	4H	14.5	15.5	15.2	16.2	17.2	14.5	15.5	15.2	16.2	17.2
	6H	15.4	16.4	16.2	17.1	18.1	15.4	16.4	16.2	17.1	18.1
	8H	15.9	16.7	16.6	17.5	18.5	15.9	16.7	16.6	17.5	18.5
	12H	16.3	17.1	17.1	17.9	18.9	16.3	17.1	17.1	17.9	18.9
4H	2H	11.7	12.7	12.4	13.4	14.4	11.7	12.7	12.4	13.4	14.4
	3H	14.2	15.1	15.0	15.9	16.8	14.2	15.1	15.0	15.9	16.8
	4H	15.4	16.2	16.2	17.0	18.0	15.4	16.2	16.2	17.0	18.0
	6H	16.6	17.3	17.4	18.1	19.1	16.6	17.3	17.4	18.1	19.1
	8H	17.1	17.7	17.9	18.5	19.5	17.1	17.7	17.9	18.5	19.5
	12H	17.6	18.2	18.4	19.0	20.0	17.6	18.2	18.4	19.0	20.0
8H	4H	15.8	16.5	16.6	17.3	18.3	15.8	16.5	16.6	17.3	18.3
	6H	17.1	17.7	17.9	18.5	19.5	17.1	17.7	17.9	18.5	19.5
	8H	17.8	18.3	18.6	19.1	20.1	17.8	18.3	18.6	19.1	20.1
	12H	18.4	18.9	19.3	19.7	20.8	18.4	18.9	19.3	19.7	20.8
12H	4H	15.9	16.5	16.7	17.3	18.3	15.9	16.5	16.7	17.3	18.3
	6H	17.2	17.7	18.1	18.6	19.6	17.2	17.7	18.1	18.6	19.6
	8H	18.0	18.4	18.8	19.2	20.3	18.0	18.4	18.8	19.2	20.3

(END OF REPORT)