

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: P1245271

Luminaire Tested: PRLX-NIM-S-940-05L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245271  
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-940-05L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

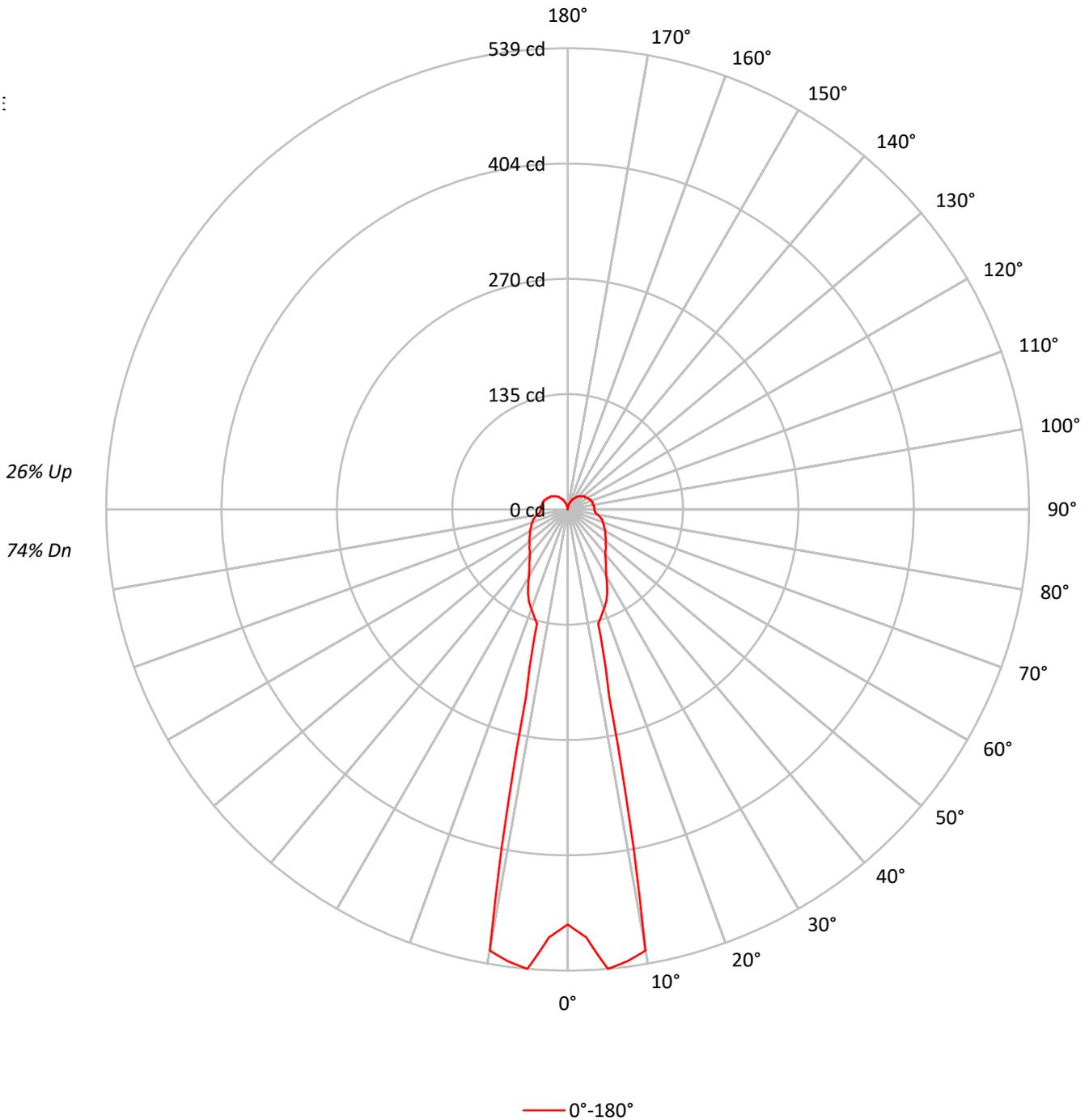
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 576.0 lumens  
Efficiency: N/A  
Efficacy: 51.9 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): 11.1  
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°	15347
5°	15145
10°	13316
15°	3232
20°	2697
25°	2246
30°	1775
35°	1472
40°	1258
45°	1139
50°	1031
55°	952
60°	899
65°	833
70°	791
75°	754
80°	680
85°	648

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1139 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.3	8.7
10°-20°	53.3	9.3
20°-30°	49.7	8.6
30°-40°	48.9	8.5
40°-50°	48.8	8.5
50°-60°	48.5	8.4
60°-70°	46.7	8.1
70°-80°	42.5	7.4
80°-90°	35.4	6.1
90°-100°	33.9	5.9
100°-110°	31.7	5.5
110°-120°	27.8	4.8
120°-130°	22.7	3.9
130°-140°	16.9	2.9
140°-150°	10.9	1.9
150°-160°	5.7	1.0
160°-170°	2.0	0.3
170°-180°	0.2	0.0
0°-30°	153.3	26.6
0°-40°	202.2	35.1
0°-60°	299.5	52.0
0°-90°	424.2	73.6
90°-120°	93.5	16.2
90°-150°	144.1	25.0
90°-180°	152.0	26.4
0°-180°	576.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	485	
5°	539	50
15°	138	53
25°	109	50
35°	78	49
45°	63	49
55°	54	49
65°	47	47
75°	40	43
85°	32	27
90°	31	17
95°	31	25
105°	30	32
115°	28	28
125°	25	23
135°	22	17
145°	18	11
155°	12	6
165°	6	2
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	485.1
2.5°	500.6
5°	539.1
7.5°	532.8
10°	523.5
12.5°	224.4
15°	138.1
17.5°	130.9
20°	123.6
22.5°	117.4
25°	109.1
27.5°	99.7
30°	90.4
32.5°	83.1
35°	77.9
37.5°	72.7
40°	68.6
42.5°	65.4
45°	63.4
47.5°	60.2
50°	58.2
52.5°	56.1
55°	54.0
57.5°	51.9
60°	50.9
62.5°	48.8
65°	46.7
67.5°	45.7
70°	43.6
72.5°	42.6
75°	40.5
77.5°	38.4
80°	35.3
82.5°	33.2
85°	32.2
87.5°	31.2
90°	31.2
92.5°	31.2
95°	31.2
97.5°	31.2
100°	30.1
102.5°	30.1
105°	30.1
107.5°	30.1
110°	29.1



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	29.1
115°	28.0
117.5°	27.0
120°	27.0
122.5°	26.0
125°	24.9
127.5°	24.9
130°	23.9
132.5°	22.9
135°	21.8
137.5°	20.8
140°	19.7
142.5°	18.7
145°	17.7
147.5°	15.6
150°	14.5
152.5°	13.5
155°	12.5
157.5°	10.4
160°	9.3
162.5°	8.3
165°	6.2
167.5°	5.2
170°	4.2
172.5°	2.1
175°	1.0
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	8.4	9.5	9.1	10.3	11.1	8.4	9.5	9.1	10.3	11.1
	3H	10.7	11.7	11.4	12.5	13.4	10.7	11.7	11.4	12.5	13.4
	4H	11.8	12.7	12.5	13.5	14.4	11.8	12.7	12.5	13.5	14.4
	6H	12.7	13.6	13.5	14.4	15.4	12.7	13.6	13.5	14.4	15.4
	8H	13.1	14.0	13.9	14.8	15.8	13.1	14.0	13.9	14.8	15.8
	12H	13.6	14.4	14.3	15.2	16.2	13.6	14.4	14.3	15.2	16.2
4H	2H	9.0	10.0	9.7	10.7	11.6	9.0	10.0	9.7	10.7	11.6
	3H	11.5	12.3	12.3	13.1	14.1	11.5	12.3	12.3	13.1	14.1
	4H	12.7	13.5	13.5	14.3	15.3	12.7	13.5	13.5	14.3	15.3
	6H	13.8	14.5	14.6	15.4	16.3	13.8	14.5	14.6	15.4	16.3
	8H	14.4	15.0	15.1	15.8	16.8	14.4	15.0	15.1	15.8	16.8
	12H	14.9	15.5	15.7	16.3	17.3	14.9	15.5	15.7	16.3	17.3
8H	4H	13.1	13.8	13.9	14.6	15.6	13.1	13.8	13.9	14.6	15.6
	6H	14.4	15.0	15.2	15.8	16.8	14.4	15.0	15.2	15.8	16.8
	8H	15.0	15.5	15.9	16.4	17.4	15.0	15.5	15.9	16.4	17.4
	12H	15.7	16.2	16.6	17.0	18.1	15.7	16.2	16.6	17.0	18.1
12H	4H	13.2	13.8	14.0	14.6	15.6	13.2	13.8	14.0	14.6	15.6
	6H	14.5	15.0	15.4	15.9	16.9	14.5	15.0	15.4	15.9	16.9
	8H	15.2	15.7	16.1	16.5	17.6	15.2	15.7	16.1	16.5	17.6

(END OF REPORT)