

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: P1245267

Luminaire Tested: PRLX-NIM-S-940-02L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245267  
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-940-02L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

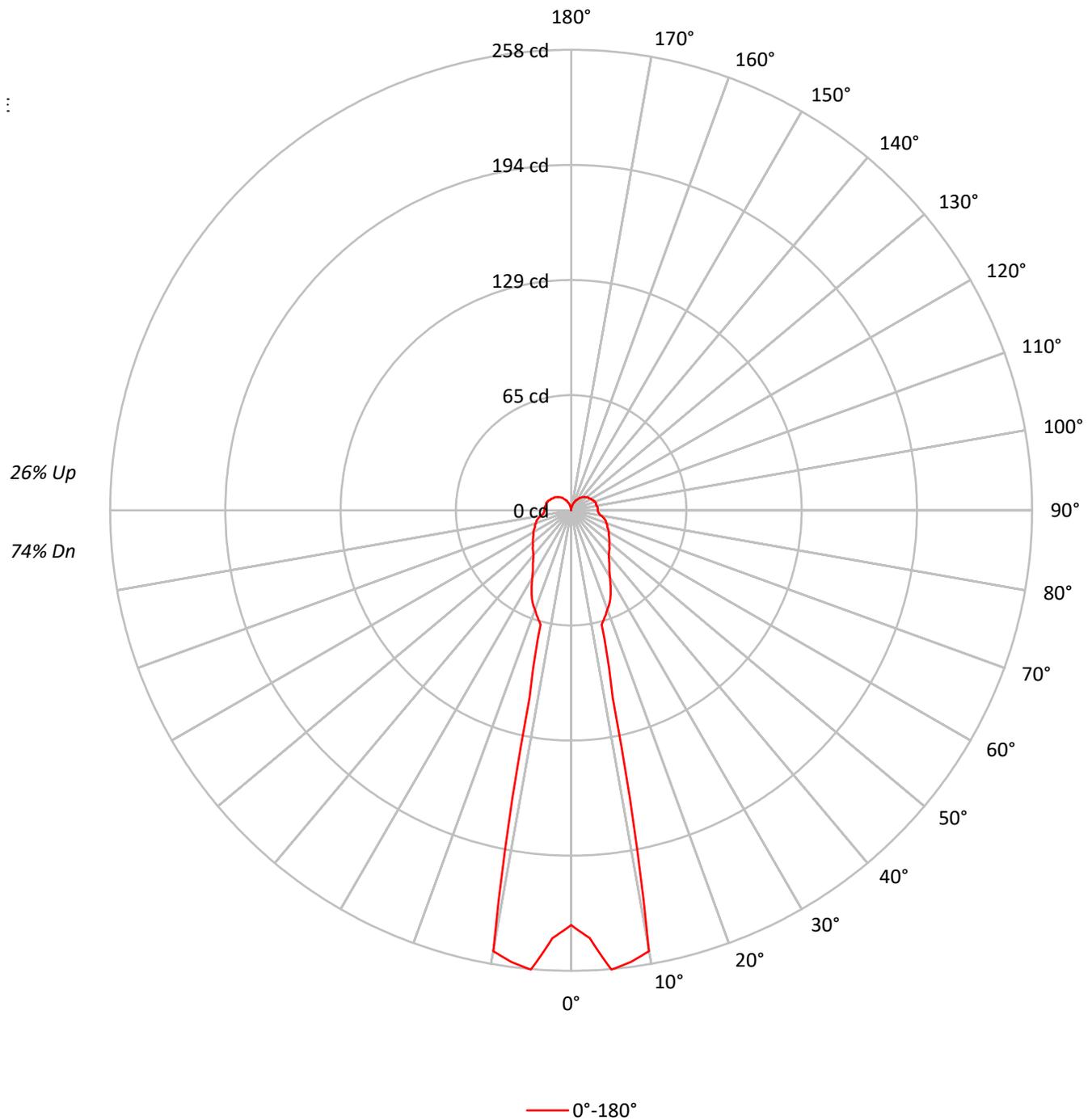
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 275.9 lumens  
Efficiency: N/A  
Efficacy: 43.8 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): 6.3  
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	74	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	28		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°	7352
5°	7256
10°	6379
15°	1549
20°	1292
25°	1077
30°	850
35°	705
40°	602
45°	546
50°	494
55°	456
60°	431
65°	399
70°	379
75°	361
80°	326
85°	310

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 546 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.1	8.7
10°-20°	25.6	9.3
20°-30°	23.8	8.6
30°-40°	23.4	8.5
40°-50°	23.4	8.5
50°-60°	23.3	8.4
60°-70°	22.4	8.1
70°-80°	20.4	7.4
80°-90°	16.9	6.1
90°-100°	16.2	5.9
100°-110°	15.2	5.5
110°-120°	13.3	4.8
120°-130°	10.9	3.9
130°-140°	8.1	2.9
140°-150°	5.3	1.9
150°-160°	2.7	1.0
160°-170°	0.9	0.3
170°-180°	0.1	0.0
0°-30°	73.4	26.6
0°-40°	96.9	35.1
0°-60°	143.5	52.0
0°-90°	203.2	73.7
90°-120°	44.7	16.2
90°-150°	68.9	25.0
90°-180°	73.0	26.5
0°-180°	275.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	232	
5°	258	24
15°	66	26
25°	52	24
35°	37	23
45°	30	23
55°	26	23
65°	22	22
75°	19	20
85°	15	13
90°	15	8
95°	15	12
105°	14	15
115°	13	13
125°	12	11
135°	10	8
145°	8	5
155°	6	3
165°	3	1
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	232.4
2.5°	239.9
5°	258.3
7.5°	255.3
10°	250.8
12.5°	107.5
15°	66.2
17.5°	62.7
20°	59.2
22.5°	56.2
25°	52.3
27.5°	47.8
30°	43.3
32.5°	39.8
35°	37.3
37.5°	34.8
40°	32.8
42.5°	31.4
45°	30.4
47.5°	28.9
50°	27.9
52.5°	26.9
55°	25.9
57.5°	24.9
60°	24.4
62.5°	23.4
65°	22.4
67.5°	21.9
70°	20.9
72.5°	20.4
75°	19.4
77.5°	18.4
80°	16.9
82.5°	15.9
85°	15.4
87.5°	14.9
90°	14.9
92.5°	14.9
95°	14.9
97.5°	14.9
100°	14.4
102.5°	14.4
105°	14.4
107.5°	14.4
110°	13.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	13.9
115°	13.4
117.5°	12.9
120°	12.9
122.5°	12.4
125°	11.9
127.5°	11.9
130°	11.4
132.5°	10.9
135°	10.5
137.5°	10.0
140°	9.5
142.5°	9.0
145°	8.5
147.5°	7.5
150°	7.0
152.5°	6.5
155°	6.0
157.5°	5.0
160°	4.5
162.5°	4.0
165°	3.0
167.5°	2.5
170°	2.0
172.5°	1.0
175°	0.5
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	5.8	7.0	6.5	7.7	8.6	5.8	7.0	6.5	7.7	8.6
	3H	8.1	9.2	8.9	9.9	10.8	8.1	9.2	8.9	9.9	10.8
	4H	9.2	10.2	9.9	11.0	11.9	9.2	10.2	9.9	11.0	11.9
	6H	10.2	11.1	10.9	11.9	12.8	10.2	11.1	10.9	11.9	12.8
	8H	10.6	11.5	11.4	12.3	13.2	10.6	11.5	11.4	12.3	13.2
	12H	11.0	11.9	11.8	12.6	13.6	11.0	11.9	11.8	12.6	13.6
4H	2H	6.4	7.4	7.2	8.2	9.1	6.4	7.4	7.2	8.2	9.1
	3H	8.9	9.8	9.7	10.6	11.5	8.9	9.8	9.7	10.6	11.5
	4H	10.2	10.9	10.9	11.7	12.7	10.2	10.9	10.9	11.7	12.7
	6H	11.3	12.0	12.1	12.8	13.8	11.3	12.0	12.1	12.8	13.8
	8H	11.8	12.5	12.6	13.3	14.3	11.8	12.5	12.6	13.3	14.3
	12H	12.3	12.9	13.1	13.7	14.7	12.3	12.9	13.1	13.7	14.7
8H	4H	10.6	11.2	11.4	12.0	13.0	10.6	11.2	11.4	12.0	13.0
	6H	11.9	12.4	12.7	13.3	14.3	11.9	12.4	12.7	13.3	14.3
	8H	12.5	13.0	13.3	13.8	14.8	12.5	13.0	13.3	13.8	14.8
	12H	13.2	13.6	14.0	14.4	15.5	13.2	13.6	14.0	14.4	15.5
12H	4H	10.6	11.2	11.4	12.0	13.0	10.6	11.2	11.4	12.0	13.0
	6H	12.0	12.5	12.8	13.3	14.4	12.0	12.5	12.8	13.3	14.4
	8H	12.7	13.1	13.5	14.0	15.0	12.7	13.1	13.5	14.0	15.0

(END OF REPORT)