

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: P1245208

Luminaire Tested: PRLX-NIM-S-927-02L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245208  
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-927-02L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

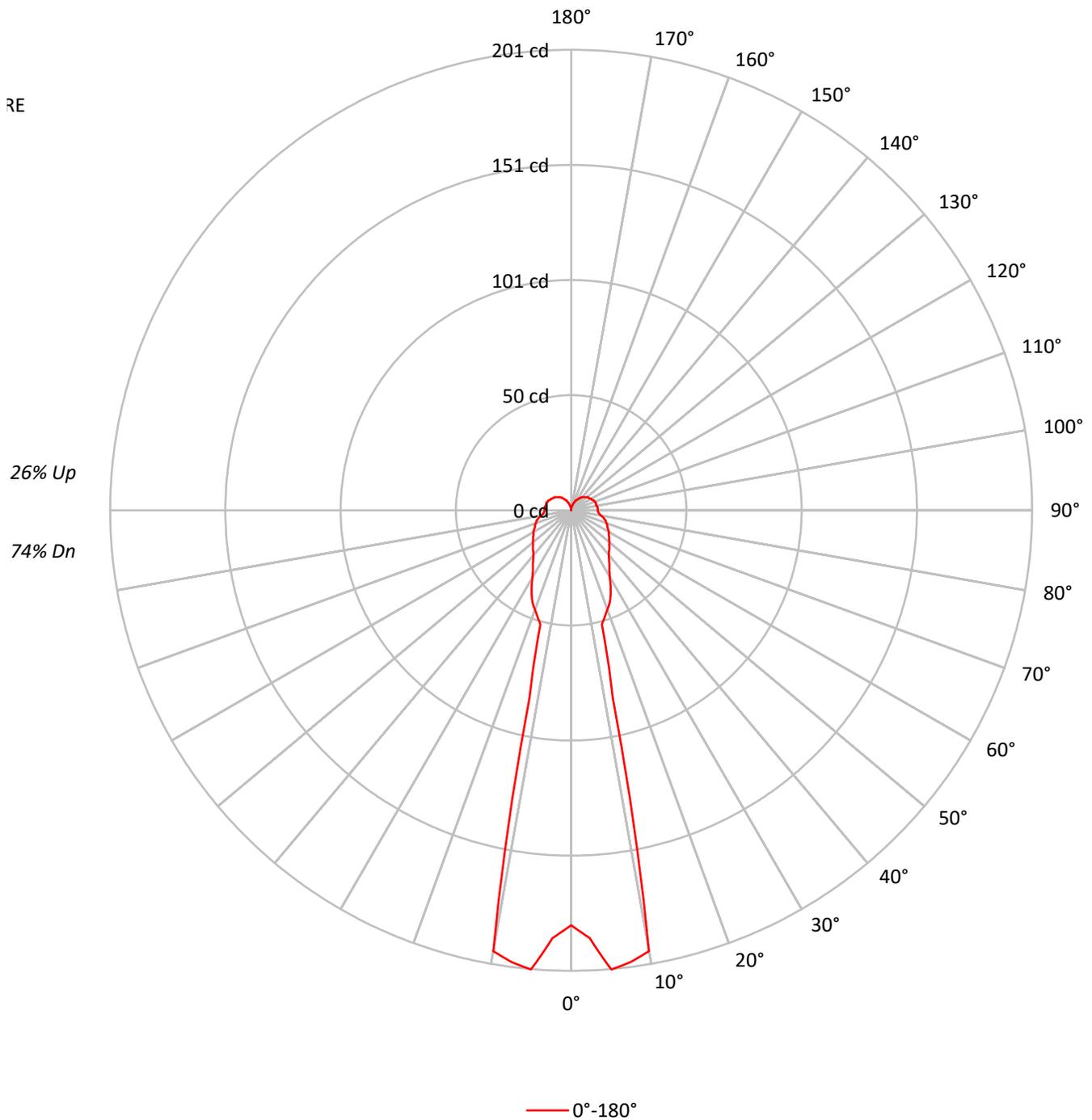
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 214.9 lumens  
Efficiency: N/A  
Efficacy: 34.1 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	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	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°	5729
5°	5652
10°	4970
15°	1208
20°	1006
25°	838
30°	662
35°	550
40°	470
45°	424
50°	385
55°	356
60°	336
65°	310
70°	296
75°	281
80°	254
85°	241

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 424 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.8	8.7
10°-20°	19.9	9.3
20°-30°	18.5	8.6
30°-40°	18.3	8.5
40°-50°	18.2	8.5
50°-60°	18.1	8.4
60°-70°	17.4	8.1
70°-80°	15.9	7.4
80°-90°	13.2	6.1
90°-100°	12.6	5.9
100°-110°	11.8	5.5
110°-120°	10.4	4.9
120°-130°	8.5	3.9
130°-140°	6.3	2.9
140°-150°	4.1	1.9
150°-160°	2.1	1.0
160°-170°	0.7	0.3
170°-180°	0.1	0.0
0°-30°	57.2	26.6
0°-40°	75.5	35.1
0°-60°	111.8	52.0
0°-90°	158.3	73.6
90°-120°	34.8	16.2
90°-150°	53.7	25.0
90°-180°	57.0	26.5
0°-180°	214.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	181	
5°	201	19
15°	52	20
25°	41	19
35°	29	18
45°	24	18
55°	20	18
65°	17	17
75°	15	16
85°	12	10
90°	12	6
95°	12	9
105°	11	12
115°	10	10
125°	9	8
135°	8	6
145°	7	4
155°	5	2
165°	2	1
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	181.1
2.5°	186.9
5°	201.2
7.5°	198.9
10°	195.4
12.5°	83.7
15°	51.6
17.5°	48.8
20°	46.1
22.5°	43.8
25°	40.7
27.5°	37.2
30°	33.7
32.5°	31.0
35°	29.1
37.5°	27.1
40°	25.6
42.5°	24.4
45°	23.6
47.5°	22.5
50°	21.7
52.5°	20.9
55°	20.2
57.5°	19.4
60°	19.0
62.5°	18.2
65°	17.4
67.5°	17.1
70°	16.3
72.5°	15.9
75°	15.1
77.5°	14.3
80°	13.2
82.5°	12.4
85°	12.0
87.5°	11.6
90°	11.6
92.5°	11.6
95°	11.6
97.5°	11.6
100°	11.2
102.5°	11.2
105°	11.2
107.5°	11.2
110°	10.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	10.9
115°	10.5
117.5°	10.1
120°	10.1
122.5°	9.7
125°	9.3
127.5°	9.3
130°	8.9
132.5°	8.5
135°	8.1
137.5°	7.8
140°	7.4
142.5°	7.0
145°	6.6
147.5°	5.8
150°	5.4
152.5°	5.0
155°	4.7
157.5°	3.9
160°	3.5
162.5°	3.1
165°	2.3
167.5°	1.9
170°	1.6
172.5°	0.8
175°	0.4
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	5.0	6.1	5.7	6.8	7.7	5.0	6.1	5.7	6.8	7.7
	3H	7.3	8.3	8.0	9.1	10.0	7.3	8.3	8.0	9.1	10.0
	4H	8.3	9.3	9.1	10.1	11.0	8.3	9.3	9.1	10.1	11.0
	6H	9.3	10.2	10.1	11.0	11.9	9.3	10.2	10.1	11.0	11.9
	8H	9.7	10.6	10.5	11.4	12.3	9.7	10.6	10.5	11.4	12.3
	12H	10.1	11.0	10.9	11.8	12.7	10.1	11.0	10.9	11.8	12.7
4H	2H	5.5	6.5	6.3	7.3	8.2	5.5	6.5	6.3	7.3	8.2
	3H	8.1	8.9	8.8	9.7	10.7	8.1	8.9	8.8	9.7	10.7
	4H	9.3	10.1	10.1	10.9	11.9	9.3	10.1	10.1	10.9	11.9
	6H	10.4	11.1	11.2	11.9	12.9	10.4	11.1	11.2	11.9	12.9
	8H	10.9	11.6	11.7	12.4	13.4	10.9	11.6	11.7	12.4	13.4
	12H	11.4	12.0	12.3	12.9	13.9	11.4	12.0	12.3	12.9	13.9
8H	4H	9.7	10.3	10.5	11.2	12.1	9.7	10.3	10.5	11.2	12.1
	6H	11.0	11.5	11.8	12.4	13.4	11.0	11.5	11.8	12.4	13.4
	8H	11.6	12.1	12.5	13.0	14.0	11.6	12.1	12.5	13.0	14.0
	12H	12.3	12.7	13.1	13.6	14.6	12.3	12.7	13.1	13.6	14.6
12H	4H	9.7	10.3	10.6	11.2	12.2	9.7	10.3	10.6	11.2	12.2
	6H	11.1	11.6	11.9	12.4	13.5	11.1	11.6	11.9	12.4	13.5
	8H	11.8	12.3	12.7	13.1	14.2	11.8	12.3	12.7	13.1	14.2

(END OF REPORT)