

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: P1244984

Luminaire Tested: PRLX-MIN-S-940-02L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244984  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-S-940-02L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

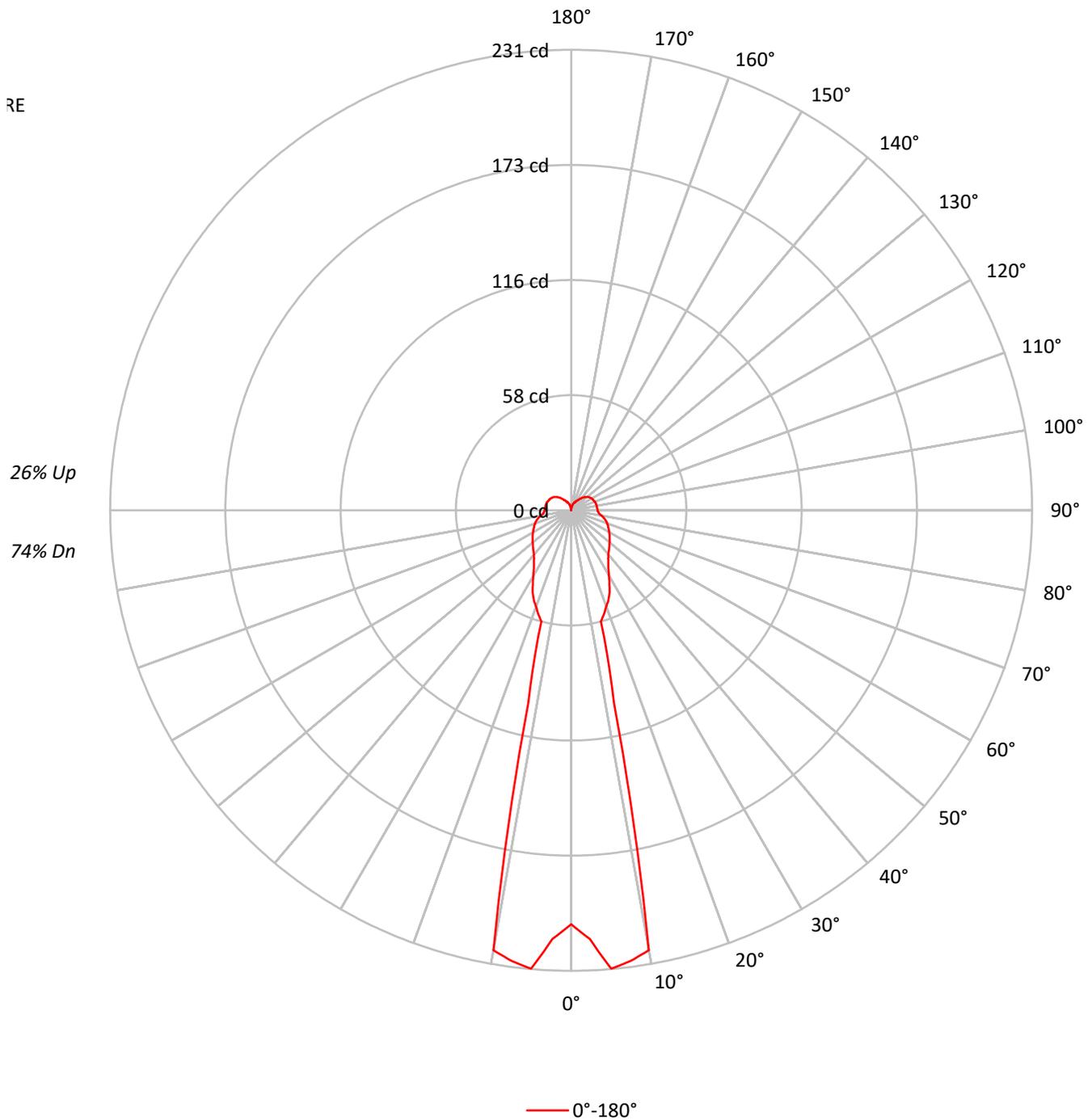
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 246.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38  
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' 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	97	97	97		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	63	58	64	58	53		58	53	49		52	48	45	42
4	78	66	58	52	74	63	56	50	58	51	46		52	47	43		47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41		48	43	38		44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37		44	39	35		40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31		38	33	29		35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27		34	29	26		32	27	24	23

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

	0°
0°	5723
5°	5691
10°	5035
15°	1199
20°	1000
25°	841
30°	669
35°	552
40°	481
45°	438
50°	405
55°	380
60°	356
65°	335
70°	321
75°	301
80°	277
85°	258

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 438 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.5	8.8
10°-20°	22.7	9.2
20°-30°	20.7	8.4
30°-40°	20.5	8.3
40°-50°	20.8	8.5
50°-60°	21.1	8.6
60°-70°	20.4	8.3
70°-80°	18.5	7.5
80°-90°	15.2	6.2
90°-100°	14.3	5.8
100°-110°	13.6	5.5
110°-120°	12.2	4.9
120°-130°	10.1	4.1
130°-140°	7.2	2.9
140°-150°	4.1	1.7
150°-160°	2.1	0.9
160°-170°	0.8	0.3
170°-180°	0.1	0.0
0°-30°	65.0	26.4
0°-40°	85.4	34.7
0°-60°	127.4	51.8
0°-90°	181.5	73.8
90°-120°	40.0	16.3
90°-150°	61.4	25.0
90°-180°	64.0	26.0
0°-180°	246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	208	
5°	231	22
15°	58	23
25°	46	21
35°	32	20
45°	27	21
55°	24	21
65°	20	20
75°	18	18
85°	14	12
90°	13	7
95°	13	11
105°	13	14
115°	12	12
125°	11	10
135°	9	7
145°	6	4
155°	4	2
165°	3	1
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	207.7
2.5°	215.2
5°	230.8
7.5°	228.0
10°	224.1
12.5°	99.1
15°	57.7
17.5°	54.6
20°	51.4
22.5°	48.8
25°	45.6
27.5°	41.5
30°	37.9
32.5°	34.7
35°	32.4
37.5°	30.5
40°	29.0
42.5°	27.9
45°	26.9
47.5°	26.0
50°	25.1
52.5°	24.3
55°	23.6
57.5°	22.8
60°	22.0
62.5°	21.3
65°	20.5
67.5°	20.0
70°	19.2
72.5°	18.5
75°	17.5
77.5°	16.6
80°	15.5
82.5°	14.3
85°	13.8
87.5°	13.4
90°	13.2
92.5°	13.2
95°	13.0
97.5°	13.0
100°	13.0
102.5°	13.0
105°	12.8
107.5°	12.8
110°	12.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	12.4
115°	12.2
117.5°	12.1
120°	11.9
122.5°	11.5
125°	11.3
127.5°	10.9
130°	10.4
132.5°	10.0
135°	9.2
137.5°	8.7
140°	7.9
142.5°	7.2
145°	6.4
147.5°	5.8
150°	5.5
152.5°	5.1
155°	4.5
157.5°	4.1
160°	3.8
162.5°	3.4
165°	2.8
167.5°	2.3
170°	1.5
172.5°	0.8
175°	0.2
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	5.3	6.4	6.0	7.2	8.1	5.3	6.4	6.0	7.2	8.1
	3H	7.6	8.7	8.3	9.4	10.3	7.6	8.7	8.3	9.4	10.3
	4H	8.7	9.7	9.4	10.4	11.4	8.7	9.7	9.4	10.4	11.4
	6H	9.6	10.6	10.4	11.3	12.3	9.6	10.6	10.4	11.3	12.3
	8H	10.1	10.9	10.8	11.7	12.7	10.1	10.9	10.8	11.7	12.7
	12H	10.5	11.3	11.2	12.1	13.1	10.5	11.3	11.2	12.1	13.1
4H	2H	5.9	6.9	6.6	7.7	8.6	5.9	6.9	6.6	7.7	8.6
	3H	8.4	9.3	9.2	10.1	11.0	8.4	9.3	9.2	10.1	11.0
	4H	9.6	10.4	10.4	11.2	12.2	9.6	10.4	10.4	11.2	12.2
	6H	10.8	11.5	11.6	12.3	13.3	10.8	11.5	11.6	12.3	13.3
	8H	11.3	11.9	12.1	12.7	13.7	11.3	11.9	12.1	12.7	13.7
	12H	11.8	12.4	12.6	13.2	14.2	11.8	12.4	12.6	13.2	14.2
8H	4H	10.0	10.7	10.8	11.5	12.5	10.0	10.7	10.8	11.5	12.5
	6H	11.3	11.9	12.1	12.7	13.7	11.3	11.9	12.1	12.7	13.7
	8H	11.9	12.5	12.8	13.3	14.3	11.9	12.5	12.8	13.3	14.3
	12H	12.6	13.1	13.4	13.9	15.0	12.6	13.1	13.4	13.9	15.0
12H	4H	10.1	10.7	10.9	11.5	12.5	10.1	10.7	10.9	11.5	12.5
	6H	11.4	11.9	12.3	12.8	13.8	11.4	11.9	12.3	12.8	13.8
	8H	12.1	12.6	13.0	13.4	14.5	12.1	12.6	13.0	13.4	14.5

(END OF REPORT)