

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: P1244987

Luminaire Tested: PRLX-MIN-S-940-05L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244987  
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-940-05L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE  
LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

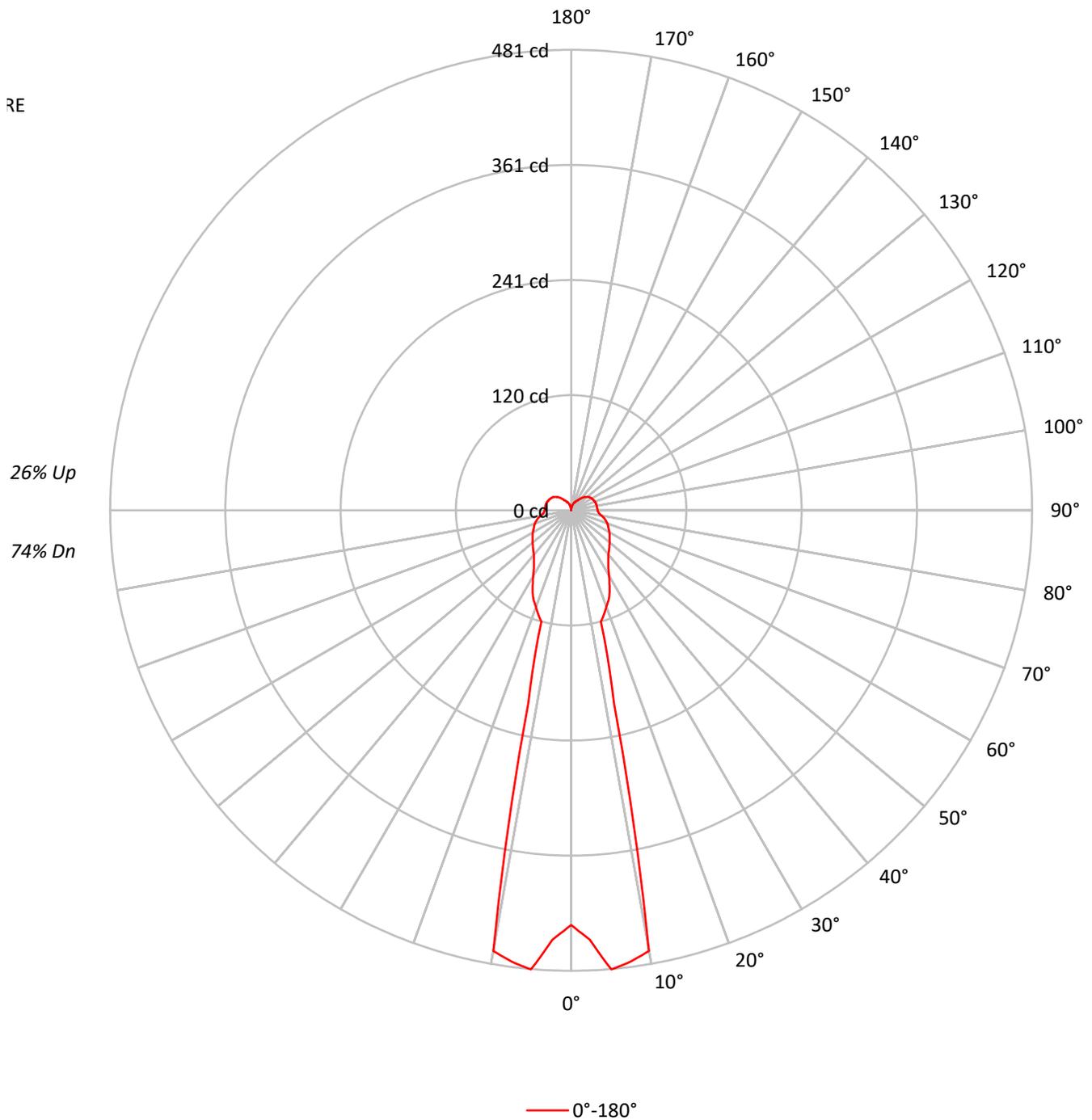
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 513.0 lumens  
Efficiency: N/A  
Efficacy: 46.2 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): 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	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	67	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°	11934
5°	11871
10°	10499
15°	2500
20°	2089
25°	1754
30°	1394
35°	1152
40°	1004
45°	916
50°	843
55°	790
60°	743
65°	700
70°	670
75°	627
80°	575
85°	537

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 916 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.9	8.8
10°-20°	47.4	9.2
20°-30°	43.2	8.4
30°-40°	42.7	8.3
40°-50°	43.5	8.5
50°-60°	44.0	8.6
60°-70°	42.6	8.3
70°-80°	38.5	7.5
80°-90°	31.7	6.2
90°-100°	29.7	5.8
100°-110°	28.4	5.5
110°-120°	25.4	4.9
120°-130°	21.0	4.1
130°-140°	15.0	2.9
140°-150°	8.6	1.7
150°-160°	4.5	0.9
160°-170°	1.7	0.3
170°-180°	0.1	0.0
0°-30°	135.5	26.4
0°-40°	178.2	34.7
0°-60°	265.7	51.8
0°-90°	378.6	73.8
90°-120°	83.4	16.3
90°-150°	128.1	25.0
90°-180°	134.0	26.1
0°-180°	513.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	433	
5°	481	45
15°	120	47
25°	95	43
35°	68	43
45°	56	43
55°	49	44
65°	43	43
75°	36	39
85°	29	24
90°	28	15
95°	27	22
105°	27	28
115°	26	25
125°	24	21
135°	19	15
145°	13	9
155°	9	4
165°	6	2
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	433.1
2.5°	448.8
5°	481.4
7.5°	475.5
10°	467.3
12.5°	206.7
15°	120.3
17.5°	114.0
20°	107.3
22.5°	101.8
25°	95.1
27.5°	86.5
30°	79.0
32.5°	72.3
35°	67.6
37.5°	63.7
40°	60.5
42.5°	58.2
45°	56.2
47.5°	54.2
50°	52.3
52.5°	50.7
55°	49.1
57.5°	47.6
60°	46.0
62.5°	44.4
65°	42.8
67.5°	41.7
70°	40.1
72.5°	38.5
75°	36.5
77.5°	34.6
80°	32.2
82.5°	29.9
85°	28.7
87.5°	27.9
90°	27.5
92.5°	27.5
95°	27.1
97.5°	27.1
100°	27.1
102.5°	27.1
105°	26.7
107.5°	26.7
110°	26.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	25.9
115°	25.5
117.5°	25.2
120°	24.8
122.5°	24.0
125°	23.6
127.5°	22.8
130°	21.6
132.5°	20.8
135°	19.3
137.5°	18.1
140°	16.5
142.5°	14.9
145°	13.4
147.5°	12.2
150°	11.4
152.5°	10.6
155°	9.4
157.5°	8.6
160°	7.9
162.5°	7.1
165°	5.9
167.5°	4.7
170°	3.1
172.5°	1.6
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	7.9	9.0	8.6	9.8	10.6	7.9	9.0	8.6	9.8	10.6
	3H	10.2	11.2	10.9	12.0	12.9	10.2	11.2	10.9	12.0	12.9
	4H	11.2	12.2	12.0	13.0	13.9	11.2	12.2	12.0	13.0	13.9
	6H	12.2	13.1	12.9	13.9	14.8	12.2	13.1	12.9	13.9	14.8
	8H	12.6	13.5	13.4	14.3	15.2	12.6	13.5	13.4	14.3	15.2
	12H	13.0	13.9	13.8	14.7	15.6	13.0	13.9	13.8	14.7	15.6
4H	2H	8.5	9.5	9.2	10.2	11.1	8.5	9.5	9.2	10.2	11.1
	3H	11.0	11.8	11.8	12.6	13.6	11.0	11.8	11.8	12.6	13.6
	4H	12.2	13.0	13.0	13.8	14.7	12.2	13.0	13.0	13.8	14.7
	6H	13.3	14.0	14.1	14.8	15.8	13.3	14.0	14.1	14.8	15.8
	8H	13.8	14.5	14.6	15.3	16.3	13.8	14.5	14.6	15.3	16.3
	12H	14.3	14.9	15.1	15.7	16.7	14.3	14.9	15.1	15.7	16.7
8H	4H	12.6	13.2	13.4	14.0	15.0	12.6	13.2	13.4	14.0	15.0
	6H	13.9	14.4	14.7	15.3	16.3	13.9	14.4	14.7	15.3	16.3
	8H	14.5	15.0	15.3	15.9	16.9	14.5	15.0	15.3	15.9	16.9
	12H	15.2	15.6	16.0	16.5	17.5	15.2	15.6	16.0	16.5	17.5
12H	4H	12.6	13.2	13.4	14.1	15.1	12.6	13.2	13.4	14.1	15.1
	6H	14.0	14.5	14.8	15.3	16.4	14.0	14.5	14.8	15.3	16.4
	8H	14.7	15.1	15.5	16.0	17.0	14.7	15.1	15.5	16.0	17.0

(END OF REPORT)