

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: P1244945

Luminaire Tested: PRLX-MIN-S-927-07L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244945  
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-927-07L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

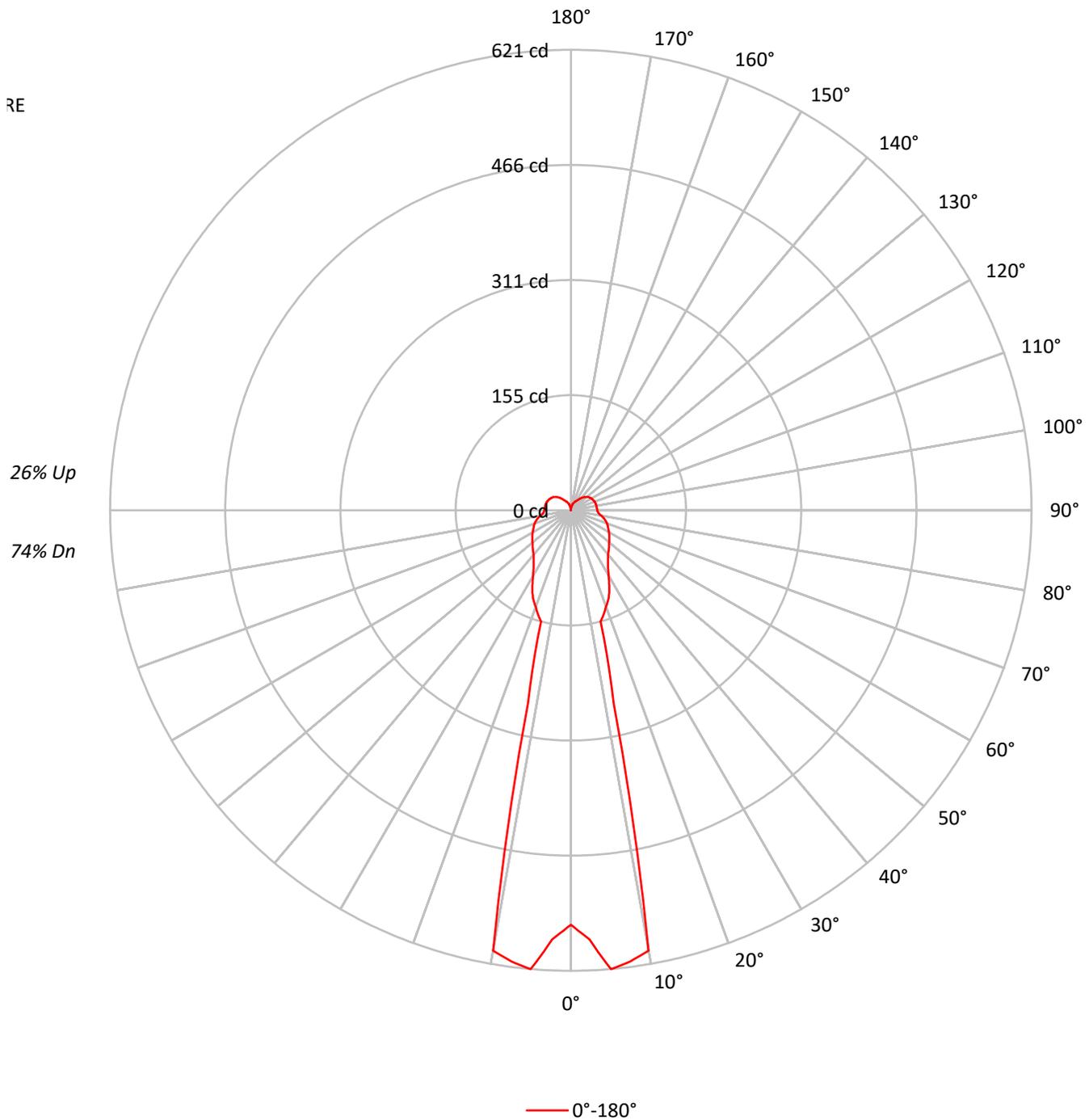
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 662.0 lumens  
Efficiency: N/A  
Efficacy: 40.9 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): 16.2  
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°	15401
5°	15318
10°	13548
15°	3225
20°	2694
25°	2262
30°	1798
35°	1486
40°	1296
45°	1181
50°	1087
55°	1020
60°	958
65°	905
70°	864
75°	811
80°	742
85°	692

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1181 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	8.8
10°-20°	61.2	9.2
20°-30°	55.7	8.4
30°-40°	55.1	8.3
40°-50°	56.1	8.5
50°-60°	56.8	8.6
60°-70°	55.0	8.3
70°-80°	49.7	7.5
80°-90°	40.9	6.2
90°-100°	38.4	5.8
100°-110°	36.6	5.5
110°-120°	32.8	4.9
120°-130°	27.1	4.1
130°-140°	19.4	2.9
140°-150°	11.1	1.7
150°-160°	5.8	0.9
160°-170°	2.2	0.3
170°-180°	0.2	0.0
0°-30°	174.8	26.4
0°-40°	229.9	34.7
0°-60°	342.8	51.8
0°-90°	488.5	73.8
90°-120°	107.8	16.3
90°-150°	165.3	25.0
90°-180°	173.0	26.1
0°-180°	662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	559	
5°	621	58
15°	155	61
25°	123	56
35°	87	55
45°	72	56
55°	63	57
65°	55	55
75°	47	50
85°	37	31
90°	36	20
95°	35	29
105°	34	37
115°	33	33
125°	30	27
135°	25	19
145°	17	11
155°	12	6
165°	8	2
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	558.9
2.5°	579.1
5°	621.2
7.5°	613.6
10°	603.0
12.5°	266.7
15°	155.2
17.5°	147.1
20°	138.4
22.5°	131.3
25°	122.7
27.5°	111.6
30°	101.9
32.5°	93.3
35°	87.2
37.5°	82.2
40°	78.1
42.5°	75.1
45°	72.5
47.5°	70.0
50°	67.4
52.5°	65.4
55°	63.4
57.5°	61.4
60°	59.3
62.5°	57.3
65°	55.3
67.5°	53.8
70°	51.7
72.5°	49.7
75°	47.2
77.5°	44.6
80°	41.6
82.5°	38.5
85°	37.0
87.5°	36.0
90°	35.5
92.5°	35.5
95°	35.0
97.5°	35.0
100°	35.0
102.5°	35.0
105°	34.5
107.5°	34.5
110°	34.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	33.5
115°	33.0
117.5°	32.5
120°	31.9
122.5°	30.9
125°	30.4
127.5°	29.4
130°	27.9
132.5°	26.9
135°	24.8
137.5°	23.3
140°	21.3
142.5°	19.3
145°	17.2
147.5°	15.7
150°	14.7
152.5°	13.7
155°	12.2
157.5°	11.2
160°	10.1
162.5°	9.1
165°	7.6
167.5°	6.1
170°	4.1
172.5°	2.0
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	8.7	9.9	9.5	10.6	11.5	8.7	9.9	9.5	10.6	11.5
	3H	11.1	12.1	11.8	12.9	13.8	11.1	12.1	11.8	12.9	13.8
	4H	12.1	13.1	12.9	13.9	14.8	12.1	13.1	12.9	13.9	14.8
	6H	13.1	14.0	13.8	14.8	15.7	13.1	14.0	13.8	14.8	15.7
	8H	13.5	14.4	14.3	15.2	16.1	13.5	14.4	14.3	15.2	16.1
	12H	13.9	14.8	14.7	15.5	16.5	13.9	14.8	14.7	15.5	16.5
4H	2H	9.3	10.3	10.1	11.1	12.0	9.3	10.3	10.1	11.1	12.0
	3H	11.9	12.7	12.6	13.5	14.5	11.9	12.7	12.6	13.5	14.5
	4H	13.1	13.9	13.8	14.7	15.6	13.1	13.9	13.8	14.7	15.6
	6H	14.2	14.9	15.0	15.7	16.7	14.2	14.9	15.0	15.7	16.7
	8H	14.7	15.4	15.5	16.2	17.2	14.7	15.4	15.5	16.2	17.2
	12H	15.2	15.8	16.0	16.6	17.6	15.2	15.8	16.0	16.6	17.6
8H	4H	13.5	14.1	14.3	14.9	15.9	13.5	14.1	14.3	14.9	15.9
	6H	14.8	15.3	15.6	16.2	17.2	14.8	15.3	15.6	16.2	17.2
	8H	15.4	15.9	16.2	16.7	17.7	15.4	15.9	16.2	16.7	17.7
	12H	16.0	16.5	16.9	17.3	18.4	16.0	16.5	16.9	17.3	18.4
12H	4H	13.5	14.1	14.3	15.0	15.9	13.5	14.1	14.3	15.0	15.9
	6H	14.9	15.4	15.7	16.2	17.3	14.9	15.4	15.7	16.2	17.3
	8H	15.6	16.0	16.4	16.9	17.9	15.6	16.0	16.4	16.9	17.9

(END OF REPORT)