

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: P1244944

Luminaire Tested: PRLX-MIN-S-927-05L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244944  
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-927-05L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

**Summary**

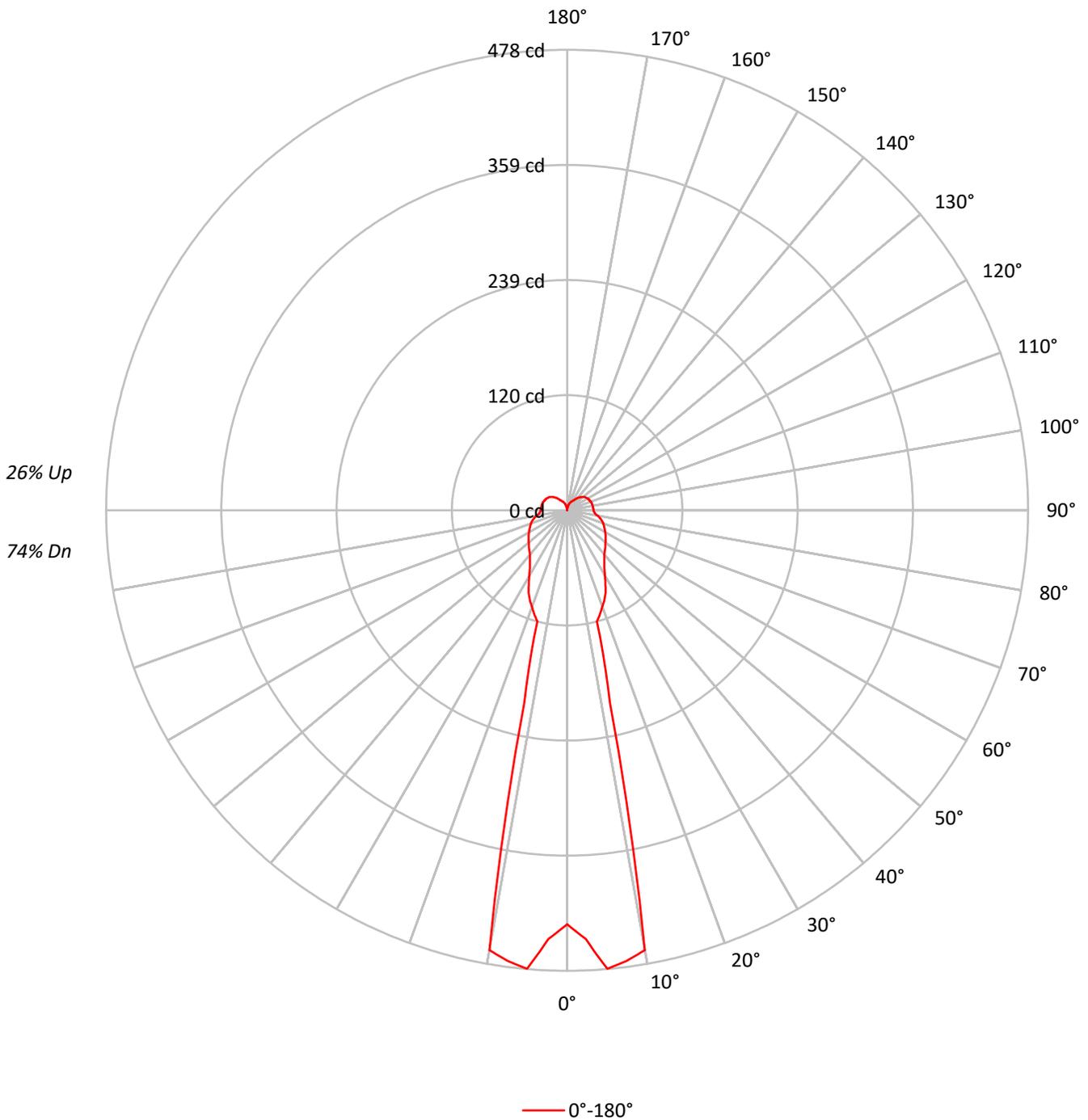
Lumens per Lamp: N/A  
Luminaire Lumens: 509.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38  
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')  
CIE Type: Semi-Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (Ain): 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°	11841
5°	11779
10°	10416
15°	2479
20°	2071
25°	1741
30°	1383
35°	1143
40°	996
45°	909
50°	837
55°	783
60°	737
65°	695
70°	665
75°	624
80°	571
85°	533

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 909 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	8.8
10°-20°	47.0	9.2
20°-30°	42.8	8.4
30°-40°	42.4	8.3
40°-50°	43.1	8.5
50°-60°	43.7	8.6
60°-70°	42.3	8.3
70°-80°	38.2	7.5
80°-90°	31.5	6.2
90°-100°	29.5	5.8
100°-110°	28.1	5.5
110°-120°	25.2	4.9
120°-130°	20.8	4.1
130°-140°	14.9	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°	134.4	26.4
0°-40°	176.8	34.7
0°-60°	263.6	51.8
0°-90°	375.6	73.8
90°-120°	82.8	16.3
90°-150°	127.1	25.0
90°-180°	133.0	26.1
0°-180°	509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	430	
5°	478	45
15°	119	47
25°	94	43
35°	67	42
45°	56	43
55°	49	44
65°	42	42
75°	36	38
85°	28	24
90°	27	15
95°	27	22
105°	26	28
115°	25	25
125°	23	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°	429.7
2.5°	445.3
5°	477.7
7.5°	471.8
10°	463.6
12.5°	205.1
15°	119.3
17.5°	113.1
20°	106.4
22.5°	101.0
25°	94.4
27.5°	85.8
30°	78.4
32.5°	71.7
35°	67.1
37.5°	63.2
40°	60.0
42.5°	57.7
45°	55.8
47.5°	53.8
50°	51.9
52.5°	50.3
55°	48.7
57.5°	47.2
60°	45.6
62.5°	44.1
65°	42.5
67.5°	41.3
70°	39.8
72.5°	38.2
75°	36.3
77.5°	34.3
80°	32.0
82.5°	29.6
85°	28.5
87.5°	27.7
90°	27.3
92.5°	27.3
95°	26.9
97.5°	26.9
100°	26.9
102.5°	26.9
105°	26.5
107.5°	26.5
110°	26.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	25.7
115°	25.3
117.5°	25.0
120°	24.6
122.5°	23.8
125°	23.4
127.5°	22.6
130°	21.4
132.5°	20.7
135°	19.1
137.5°	17.9
140°	16.4
142.5°	14.8
145°	13.3
147.5°	12.1
150°	11.3
152.5°	10.5
155°	9.4
157.5°	8.6
160°	7.8
162.5°	7.0
165°	5.8
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	7.8	9.0	8.5	9.7	10.6	7.8	9.0	8.5	9.7	10.6
	3H	10.1	11.2	10.9	11.9	12.9	10.1	11.2	10.9	11.9	12.9
	4H	11.2	12.2	11.9	13.0	13.9	11.2	12.2	11.9	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	13.3	14.3	15.2	12.6	13.5	13.3	14.3	15.2
	12H	13.0	13.8	13.8	14.6	15.6	13.0	13.8	13.8	14.6	15.6
4H	2H	8.4	9.4	9.2	10.2	11.1	8.4	9.4	9.2	10.2	11.1
	3H	11.0	11.8	11.7	12.6	13.6	11.0	11.8	11.7	12.6	13.6
	4H	12.2	13.0	12.9	13.7	14.7	12.2	13.0	12.9	13.7	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	14.4	14.6	15.3	16.2	13.8	14.4	14.6	15.3	16.2
	12H	14.3	14.9	15.1	15.7	16.7	14.3	14.9	15.1	15.7	16.7
8H	4H	12.5	13.2	13.3	14.0	15.0	12.5	13.2	13.3	14.0	15.0
	6H	13.8	14.4	14.7	15.3	16.2	13.8	14.4	14.7	15.3	16.2
	8H	14.5	15.0	15.3	15.8	16.8	14.5	15.0	15.3	15.8	16.8
	12H	15.1	15.6	16.0	16.4	17.5	15.1	15.6	16.0	16.4	17.5
12H	4H	12.6	13.2	13.4	14.0	15.0	12.6	13.2	13.4	14.0	15.0
	6H	14.0	14.5	14.8	15.3	16.3	14.0	14.5	14.8	15.3	16.3
	8H	14.7	15.1	15.5	16.0	17.0	14.7	15.1	15.5	16.0	17.0

(END OF REPORT)