

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: P1244947

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244947  
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: Prenalux  
Catalog Number: PRLX-MIN-S-927-07L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

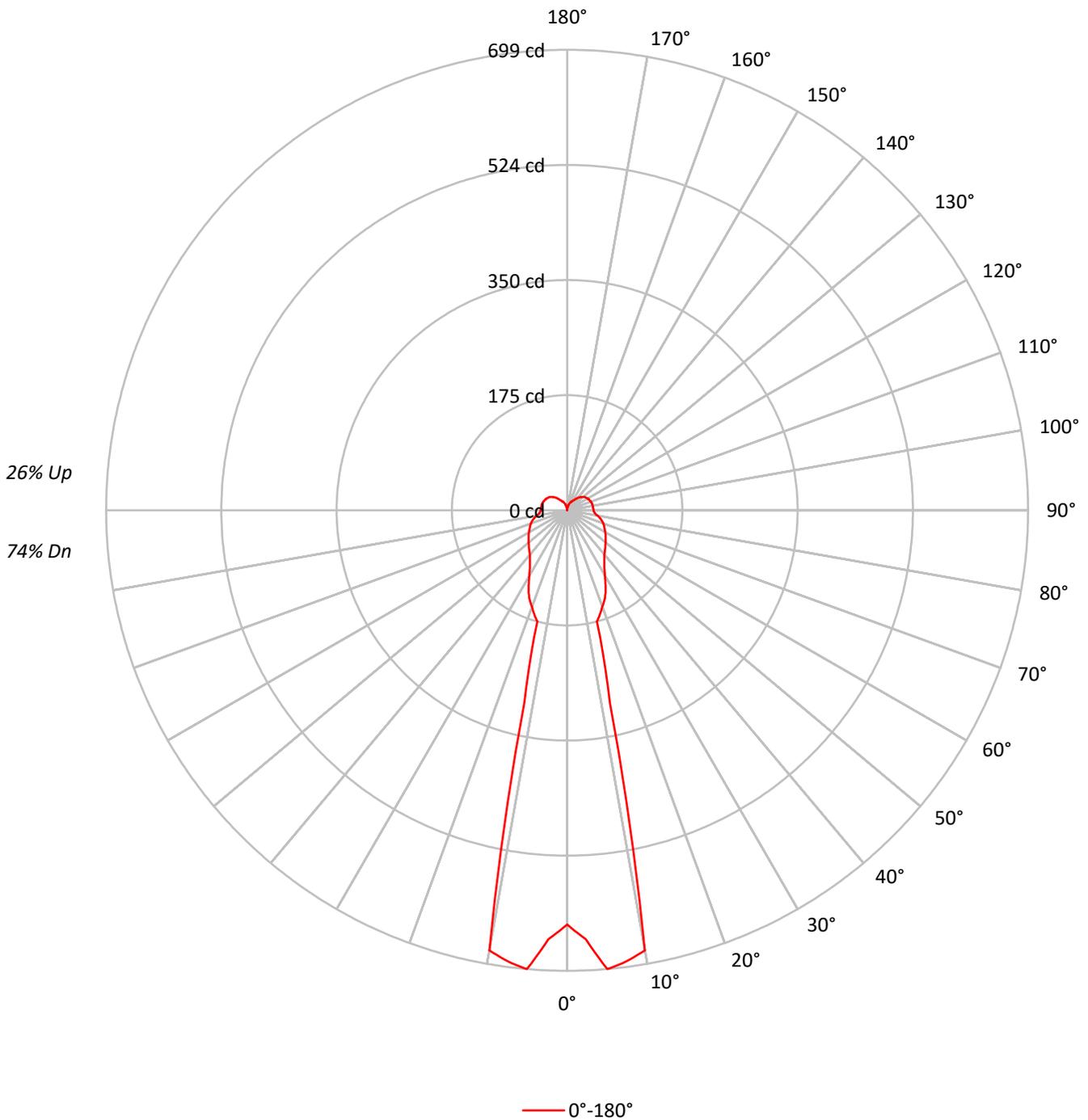
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 745.0 lumens  
Efficiency: N/A  
Efficacy: 46.0 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): 16.2  
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

TEST NUMBER: P1244947

CATALOG NUMBER: PRLX-MIN-S-927-07L-U-PS

### 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°	17330
5°	17239
10°	15246
15°	3628
20°	3033
25°	2546
30°	2024
35°	1673
40°	1459
45°	1330
50°	1224
55°	1147
60°	1079
65°	1018
70°	972
75°	913
80°	835
85°	780

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1330 cd/sqm



TEST NUMBER: P1244947

CATALOG NUMBER: PRLX-MIN-S-927-07L-U-PS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.2	8.8
10°-20°	68.8	9.2
20°-30°	62.7	8.4
30°-40°	62.0	8.3
40°-50°	63.1	8.5
50°-60°	63.9	8.6
60°-70°	61.9	8.3
70°-80°	55.9	7.5
80°-90°	46.1	6.2
90°-100°	43.2	5.8
100°-110°	41.2	5.5
110°-120°	36.8	4.9
120°-130°	30.5	4.1
130°-140°	21.8	2.9
140°-150°	12.5	1.7
150°-160°	6.5	0.9
160°-170°	2.5	0.3
170°-180°	0.2	0.0
0°-30°	196.8	26.4
0°-40°	258.8	34.7
0°-60°	385.9	51.8
0°-90°	549.8	73.8
90°-120°	121.2	16.3
90°-150°	186.1	25.0
90°-180°	195.0	26.2
0°-180°	745.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	629	
5°	699	65
15°	175	69
25°	138	63
35°	98	62
45°	82	63
55°	71	64
65°	62	62
75°	53	56
85°	42	35
90°	40	22
95°	39	32
105°	39	41
115°	37	37
125°	34	30
135°	28	22
145°	19	13
155°	14	7
165°	9	2
175°	1	0
180°	0	

TEST NUMBER: P1244947

CATALOG NUMBER: PRLX-MIN-S-927-07L-U-PS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	628.9
2.5°	651.7
5°	699.1
7.5°	690.6
10°	678.6
12.5°	300.2
15°	174.6
17.5°	165.5
20°	155.8
22.5°	147.8
25°	138.1
27.5°	125.6
30°	114.7
32.5°	105.0
35°	98.2
37.5°	92.5
40°	87.9
42.5°	84.5
45°	81.6
47.5°	78.8
50°	75.9
52.5°	73.6
55°	71.3
57.5°	69.1
60°	66.8
62.5°	64.5
65°	62.2
67.5°	60.5
70°	58.2
72.5°	55.9
75°	53.1
77.5°	50.2
80°	46.8
82.5°	43.4
85°	41.7
87.5°	40.5
90°	39.9
92.5°	39.9
95°	39.4
97.5°	39.4
100°	39.4
102.5°	39.4
105°	38.8
107.5°	38.8
110°	38.2



TEST NUMBER: P1244947

CATALOG NUMBER: PRLX-MIN-S-927-07L-U-PS

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	37.7
115°	37.1
117.5°	36.5
120°	36.0
122.5°	34.8
125°	34.2
127.5°	33.1
130°	31.4
132.5°	30.2
135°	28.0
137.5°	26.3
140°	24.0
142.5°	21.7
145°	19.4
147.5°	17.7
150°	16.6
152.5°	15.4
155°	13.7
157.5°	12.6
160°	11.4
162.5°	10.3
165°	8.6
167.5°	6.8
170°	4.6
172.5°	2.3
175°	0.6
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	9.2	10.3	9.9	11.0	11.9	9.2	10.3	9.9	11.0	11.9
	3H	11.5	12.5	12.2	13.3	14.2	11.5	12.5	12.2	13.3	14.2
	4H	12.5	13.5	13.3	14.3	15.2	12.5	13.5	13.3	14.3	15.2
	6H	13.5	14.4	14.2	15.2	16.1	13.5	14.4	14.2	15.2	16.1
	8H	13.9	14.8	14.7	15.6	16.5	13.9	14.8	14.7	15.6	16.5
	12H	14.3	15.2	15.1	15.9	16.9	14.3	15.2	15.1	15.9	16.9
4H	2H	9.8	10.8	10.5	11.5	12.4	9.8	10.8	10.5	11.5	12.4
	3H	12.3	13.1	13.0	13.9	14.9	12.3	13.1	13.0	13.9	14.9
	4H	13.5	14.3	14.3	15.1	16.0	13.5	14.3	14.3	15.1	16.0
	6H	14.6	15.3	15.4	16.1	17.1	14.6	15.3	15.4	16.1	17.1
	8H	15.1	15.8	15.9	16.6	17.6	15.1	15.8	15.9	16.6	17.6
	12H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
8H	4H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
	6H	15.2	15.7	16.0	16.6	17.6	15.2	15.7	16.0	16.6	17.6
	8H	15.8	16.3	16.6	17.2	18.2	15.8	16.3	16.6	17.2	18.2
	12H	16.5	16.9	17.3	17.7	18.8	16.5	16.9	17.3	17.7	18.8
12H	4H	13.9	14.5	14.7	15.4	16.4	13.9	14.5	14.7	15.4	16.4
	6H	15.3	15.8	16.1	16.6	17.7	15.3	15.8	16.1	16.6	17.7
	8H	16.0	16.4	16.8	17.3	18.3	16.0	16.4	16.8	17.3	18.3

(END OF REPORT)