

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: P1244992

Luminaire Tested: PRLX-MIN-S-940-07L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244992  
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-940-07L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

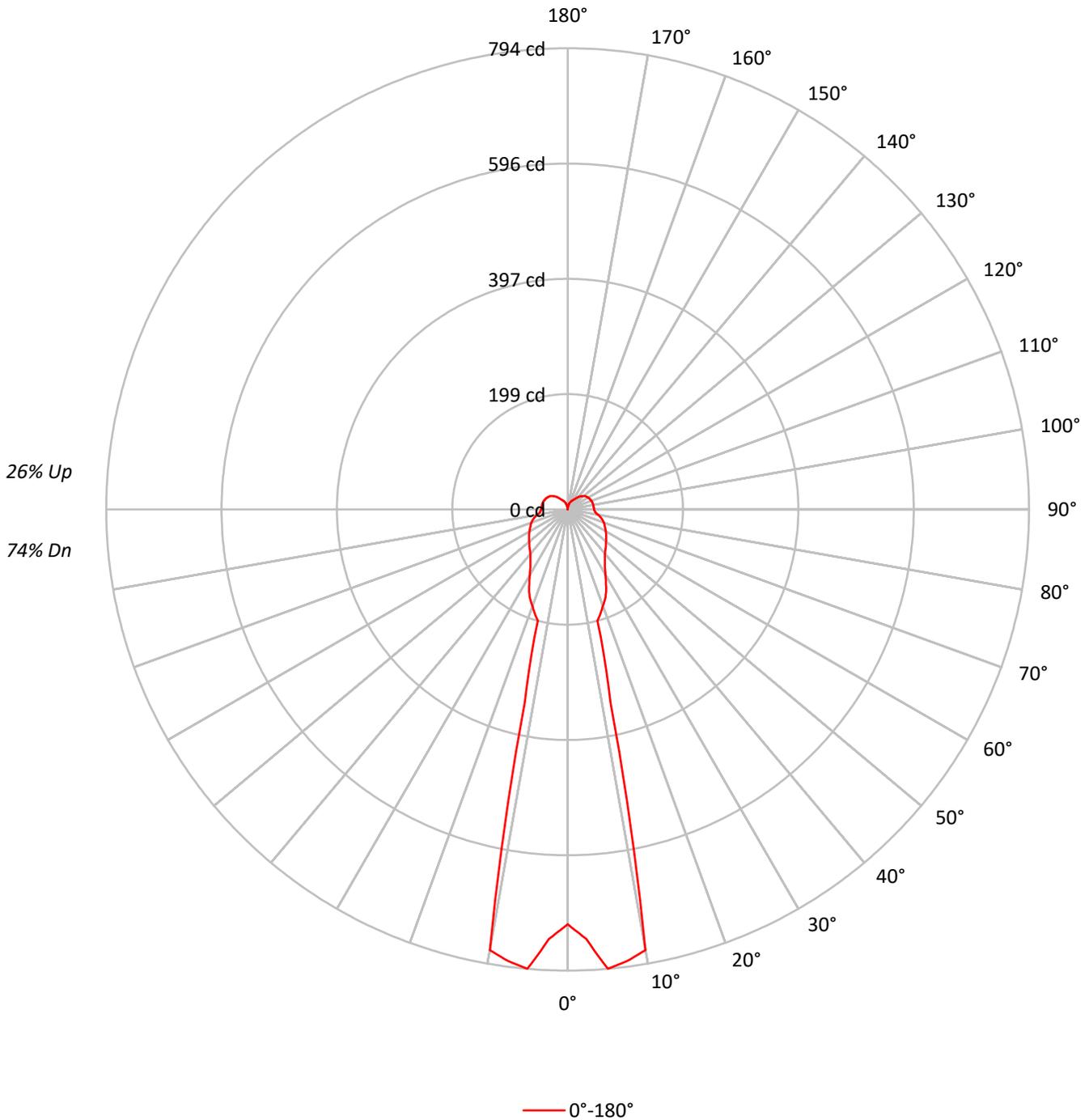
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 846.0 lumens  
Efficiency: N/A  
Efficacy: 52.2 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): 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

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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°	19680
5°	19576
10°	17313
15°	4121
20°	3443
25°	2891
30°	2299
35°	1900
40°	1656
45°	1510
50°	1390
55°	1303
60°	1225
65°	1155
70°	1104
75°	1037
80°	948
85°	885

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1510 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	8.8
10°-20°	78.2	9.2
20°-30°	71.2	8.4
30°-40°	70.4	8.3
40°-50°	71.7	8.5
50°-60°	72.6	8.6
60°-70°	70.3	8.3
70°-80°	63.5	7.5
80°-90°	52.3	6.2
90°-100°	49.1	5.8
100°-110°	46.8	5.5
110°-120°	41.8	4.9
120°-130°	34.6	4.1
130°-140°	24.7	2.9
140°-150°	14.2	1.7
150°-160°	7.4	0.9
160°-170°	2.8	0.3
170°-180°	0.2	0.0
0°-30°	223.4	26.4
0°-40°	293.9	34.7
0°-60°	438.1	51.8
0°-90°	624.3	73.8
90°-120°	137.7	16.3
90°-150°	211.2	25.0
90°-180°	222.0	26.2
0°-180°	846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	714	
5°	794	74
15°	198	78
25°	157	71
35°	112	70
45°	93	72
55°	81	73
65°	71	70
75°	60	64
85°	47	40
90°	45	25
95°	45	37
105°	44	47
115°	42	42
125°	39	35
135°	32	25
145°	22	14
155°	16	7
165°	10	3
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	714.2
2.5°	740.1
5°	793.9
7.5°	784.2
10°	770.6
12.5°	340.9
15°	198.3
17.5°	187.9
20°	176.9
22.5°	167.9
25°	156.8
27.5°	142.6
30°	130.3
32.5°	119.2
35°	111.5
37.5°	105.0
40°	99.8
42.5°	95.9
45°	92.7
47.5°	89.4
50°	86.2
52.5°	83.6
55°	81.0
57.5°	78.4
60°	75.8
62.5°	73.2
65°	70.6
67.5°	68.7
70°	66.1
72.5°	63.5
75°	60.3
77.5°	57.0
80°	53.1
82.5°	49.3
85°	47.3
87.5°	46.0
90°	45.4
92.5°	45.4
95°	44.7
97.5°	44.7
100°	44.7
102.5°	44.7
105°	44.1
107.5°	44.1
110°	43.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	42.8
115°	42.1
117.5°	41.5
120°	40.8
122.5°	39.5
125°	38.9
127.5°	37.6
130°	35.6
132.5°	34.3
135°	31.8
137.5°	29.8
140°	27.2
142.5°	24.6
145°	22.0
147.5°	20.1
150°	18.8
152.5°	17.5
155°	15.6
157.5°	14.3
160°	13.0
162.5°	11.7
165°	9.7
167.5°	7.8
170°	5.2
172.5°	2.6
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	9.6	10.7	10.3	11.5	12.4	9.6	10.7	10.3	11.5	12.4
	3H	11.9	13.0	12.6	13.7	14.6	11.9	13.0	12.6	13.7	14.6
	4H	13.0	14.0	13.7	14.7	15.6	13.0	14.0	13.7	14.7	15.6
	6H	13.9	14.9	14.7	15.6	16.6	13.9	14.9	14.7	15.6	16.6
	8H	14.3	15.2	15.1	16.0	17.0	14.3	15.2	15.1	16.0	17.0
	12H	14.8	15.6	15.5	16.4	17.4	14.8	15.6	15.5	16.4	17.4
4H	2H	10.2	11.2	10.9	11.9	12.9	10.2	11.2	10.9	11.9	12.9
	3H	12.7	13.6	13.5	14.4	15.3	12.7	13.6	13.5	14.4	15.3
	4H	13.9	14.7	14.7	15.5	16.5	13.9	14.7	14.7	15.5	16.5
	6H	15.0	15.7	15.8	16.6	17.5	15.0	15.7	15.8	16.6	17.5
	8H	15.6	16.2	16.3	17.0	18.0	15.6	16.2	16.3	17.0	18.0
	12H	16.1	16.6	16.9	17.5	18.5	16.1	16.6	16.9	17.5	18.5
8H	4H	14.3	15.0	15.1	15.8	16.8	14.3	15.0	15.1	15.8	16.8
	6H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
	8H	16.2	16.7	17.1	17.6	18.6	16.2	16.7	17.1	17.6	18.6
	12H	16.9	17.3	17.7	18.2	19.2	16.9	17.3	17.7	18.2	19.2
12H	4H	14.4	15.0	15.2	15.8	16.8	14.4	15.0	15.2	15.8	16.8
	6H	15.7	16.2	16.6	17.1	18.1	15.7	16.2	16.6	17.1	18.1
	8H	16.4	16.9	17.3	17.7	18.8	16.4	16.9	17.3	17.7	18.8

(END OF REPORT)