

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: P1244935

Luminaire Tested: PRLX-MIN-M-940-06L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244935  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-M-940-06L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

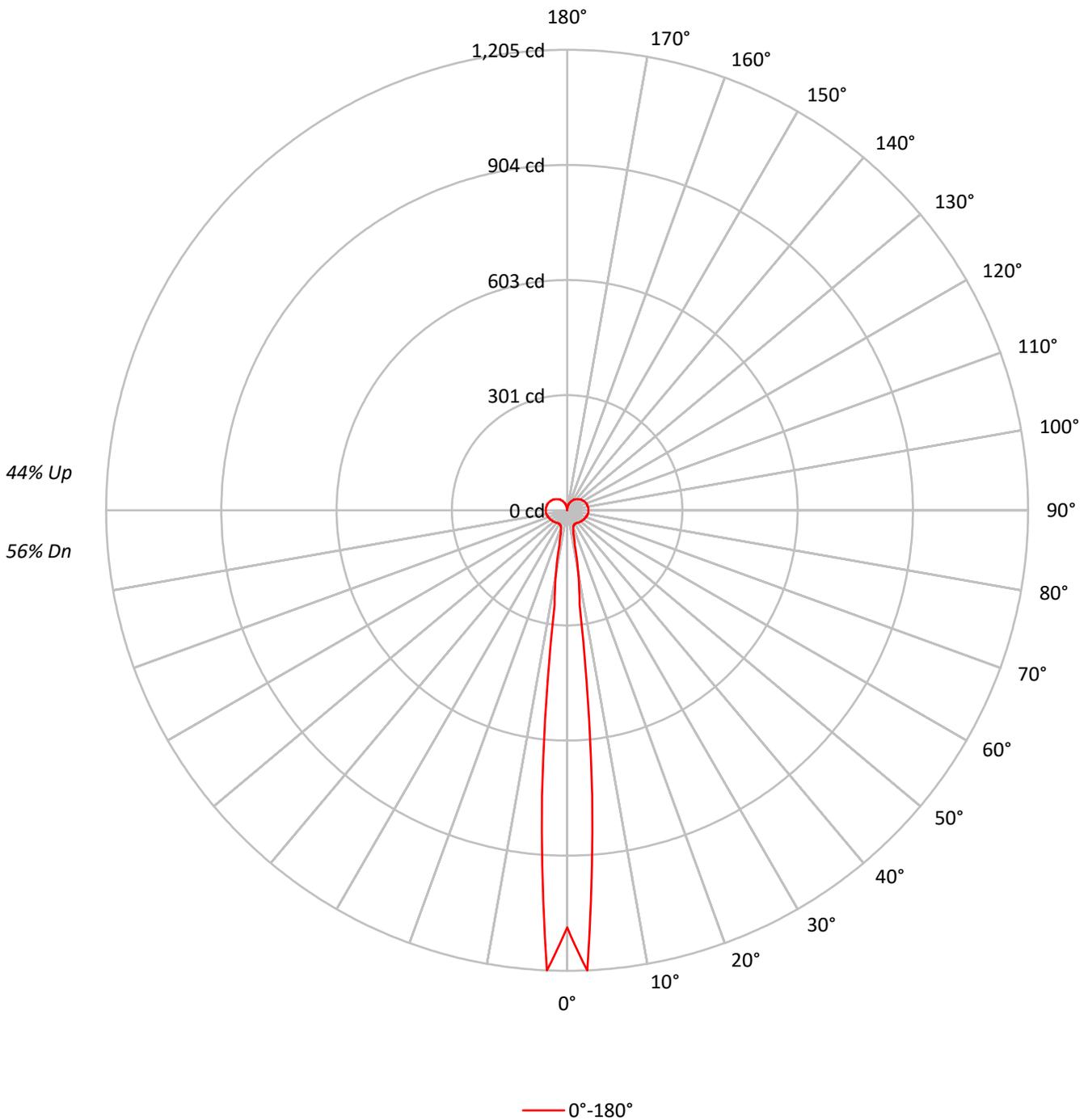
Lumens per Lamp: N/A  
Luminaire Lumens: 642.1 lumens  
Efficiency: N/A  
Efficacy: 30.1 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 21.3  
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	30
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	19	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	55911
5°	28262
10°	5065
15°	1611
20°	1010
25°	818
30°	712
35°	655
40°	633
45°	620
50°	612
55°	609
60°	610
65°	617
70°	627
75°	643
80°	654
85°	670

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 681 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	7.5
10°-20°	21.0	3.3
20°-30°	19.8	3.1
30°-40°	26.1	4.1
40°-50°	34.3	5.3
50°-60°	42.6	6.6
60°-70°	50.3	7.8
70°-80°	57.0	8.9
80°-90°	60.6	9.4
90°-100°	60.6	9.4
100°-110°	57.3	8.9
110°-120°	51.0	8.0
120°-130°	42.1	6.6
130°-140°	31.9	5.0
140°-150°	21.8	3.4
150°-160°	12.3	1.9
160°-170°	4.9	0.8
170°-180°	0.4	0.1
0°-30°	88.9	13.8
0°-40°	115.0	17.9
0°-60°	191.9	29.9
0°-90°	359.8	56.0
90°-120°	168.9	26.3
90°-150°	264.6	41.2
90°-180°	282.0	43.9
0°-180°	642.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1091	
5°	750	48
15°	64	21
25°	43	20
35°	41	26
45°	44	34
55°	48	43
65°	51	50
75°	54	57
85°	56	45
90°	56	30
95°	56	45
105°	54	57
115°	52	51
125°	47	42
135°	41	32
145°	35	22
155°	27	12
165°	17	5
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1091.0
2.5°	1205.4
5°	750.4
7.5°	248.8
10°	169.1
12.5°	92.6
15°	64.4
17.5°	53.1
20°	46.7
22.5°	44.3
25°	42.7
27.5°	41.1
30°	41.1
32.5°	41.1
35°	41.1
37.5°	41.9
40°	42.7
42.5°	43.5
45°	44.3
47.5°	45.1
50°	45.9
52.5°	46.7
55°	47.5
57.5°	48.3
60°	49.1
62.5°	49.9
65°	50.7
67.5°	51.5
70°	52.3
72.5°	53.1
75°	53.9
77.5°	54.8
80°	54.8
82.5°	55.6
85°	55.6
87.5°	55.6
90°	55.6
92.5°	55.6
95°	55.6
97.5°	55.6
100°	54.8
102.5°	54.8
105°	53.9
107.5°	53.9
110°	53.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	52.3
115°	51.5
117.5°	50.7
120°	49.1
122.5°	48.3
125°	46.7
127.5°	45.9
130°	44.3
132.5°	42.7
135°	41.1
137.5°	39.5
140°	37.8
142.5°	36.2
145°	34.6
147.5°	33.0
150°	30.6
152.5°	28.2
155°	26.6
157.5°	24.2
160°	21.7
162.5°	20.1
165°	16.9
167.5°	13.7
170°	9.7
172.5°	5.6
175°	1.6
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	5.7	6.7	6.5	7.6	8.8	5.7	6.7	6.5	7.6	8.8
	3H	8.7	9.6	9.6	10.6	11.8	8.7	9.6	9.6	10.6	11.8
	4H	10.2	11.1	11.1	12.0	13.2	10.2	11.1	11.1	12.0	13.2
	6H	11.7	12.5	12.6	13.5	14.7	11.7	12.5	12.6	13.5	14.7
	8H	12.4	13.2	13.3	14.1	15.4	12.4	13.2	13.3	14.1	15.4
	12H	13.1	13.8	14.0	14.8	16.0	13.1	13.8	14.0	14.8	16.0
4H	2H	6.4	7.3	7.3	8.3	9.5	6.4	7.3	7.3	8.3	9.5
	3H	9.6	10.4	10.6	11.4	12.6	9.6	10.4	10.6	11.4	12.6
	4H	11.3	12.0	12.2	13.0	14.2	11.3	12.0	12.2	13.0	14.2
	6H	12.9	13.6	13.9	14.6	15.8	12.9	13.6	13.9	14.6	15.8
	8H	13.7	14.4	14.7	15.3	16.6	13.7	14.4	14.7	15.3	16.6
	12H	14.5	15.1	15.5	16.1	17.4	14.5	15.1	15.5	16.1	17.4
8H	4H	11.8	12.4	12.8	13.4	14.7	11.8	12.4	12.8	13.4	14.7
	6H	13.7	14.2	14.6	15.2	16.5	13.7	14.2	14.6	15.2	16.5
	8H	14.6	15.1	15.6	16.1	17.4	14.6	15.1	15.6	16.1	17.4
	12H	15.6	16.0	16.6	17.0	18.3	15.6	16.0	16.6	17.0	18.3
12H	4H	11.9	12.5	12.9	13.5	14.8	11.9	12.5	12.9	13.5	14.8
	6H	13.9	14.3	14.8	15.3	16.6	13.9	14.3	14.8	15.3	16.6
	8H	14.9	15.3	15.9	16.3	17.6	14.9	15.3	15.9	16.3	17.6

(END OF REPORT)