

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: P1244875

Luminaire Tested: PRLX-MIN-L-940-23L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244875  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: Prenalux  
Catalog Number: PRLX-MIN-L-940-23L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 7  
Light Source: -  
Ballast/Driver: -

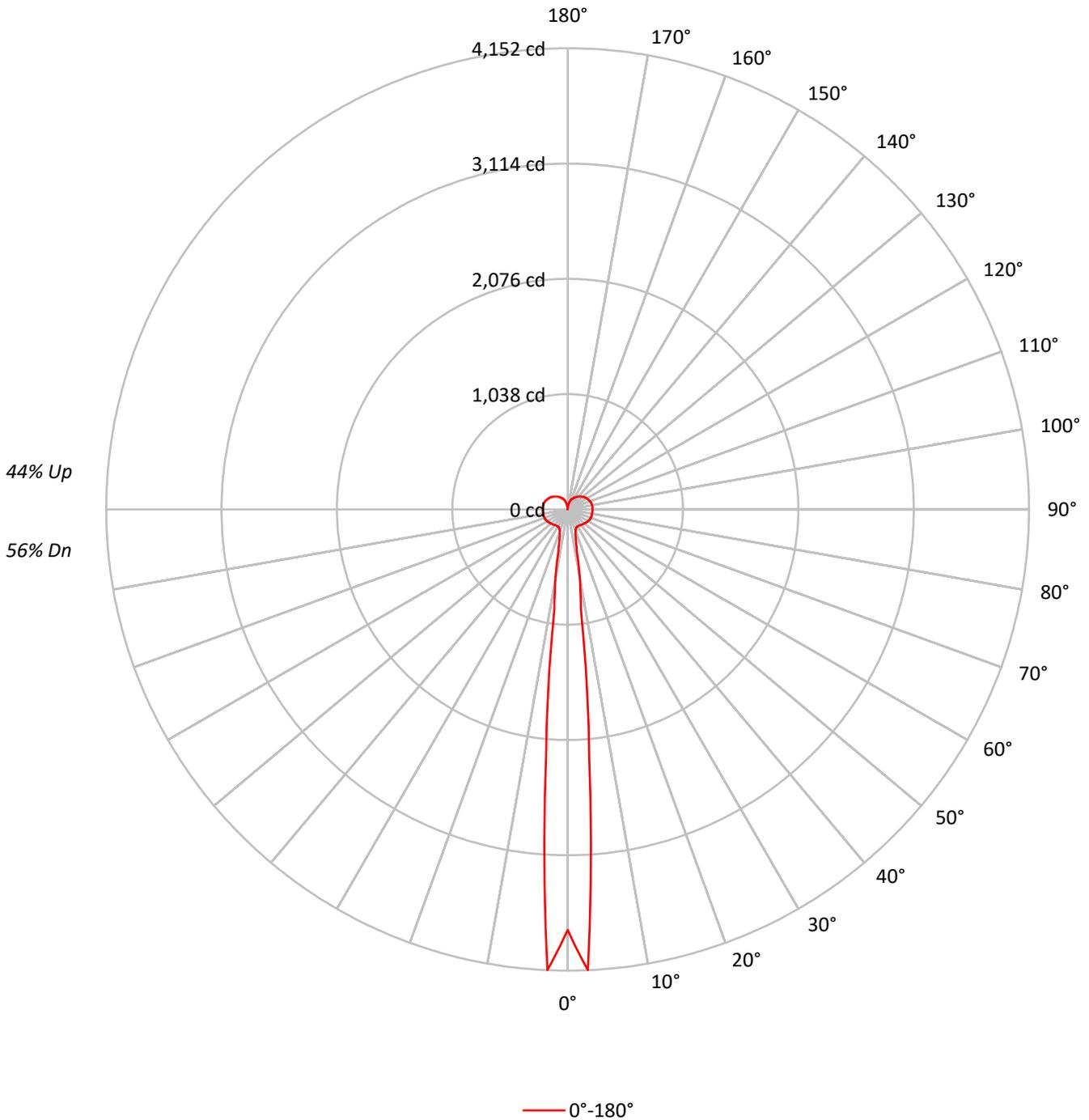
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2611.1 lumens  
Efficiency: N/A  
Efficacy: 44.9 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 58.2  
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

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

	0°
0°	119734
5°	54907
10°	12798
15°	4885
20°	3155
25°	2512
30°	2232
35°	2086
40°	2017
45°	1984
50°	1968
55°	1981
60°	1996
65°	2024
70°	2043
75°	2066
80°	2068
85°	2111

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2159 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.6	6.1
10°-20°	87.9	3.4
20°-30°	85.6	3.3
30°-40°	112.4	4.3
40°-50°	147.4	5.6
50°-60°	183.5	7.0
60°-70°	215.7	8.3
70°-80°	236.0	9.0
80°-90°	244.1	9.3
90°-100°	244.4	9.4
100°-110°	232.3	8.9
110°-120°	205.6	7.9
120°-130°	169.3	6.5
130°-140°	127.7	4.9
140°-150°	86.3	3.3
150°-160°	50.5	1.9
160°-170°	20.8	0.8
170°-180°	2.0	0.1
0°-30°	333.2	12.8
0°-40°	445.5	17.1
0°-60°	776.4	29.7
0°-90°	1472.2	56.4
90°-120°	682.3	26.1
90°-150°	1065.6	40.8
90°-180°	1139.0	43.6
0°-180°	2611.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3785	
5°	2226	160
15°	280	88
25°	182	86
35°	178	112
45°	190	147
55°	204	183
65°	218	216
75°	224	236
85°	224	183
90°	224	123
95°	224	183
105°	220	232
115°	207	206
125°	189	169
135°	165	128
145°	136	86
155°	109	51
165°	73	21
175°	10	2
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3784.7
2.5°	4151.7
5°	2226.0
7.5°	905.9
10°	629.2
12.5°	385.4
15°	280.5
17.5°	233.3
20°	205.8
22.5°	191.4
25°	182.2
27.5°	178.3
30°	177.0
32.5°	177.0
35°	178.3
37.5°	179.6
40°	183.5
42.5°	186.2
45°	190.1
47.5°	194.0
50°	196.6
52.5°	200.6
55°	204.5
57.5°	208.4
60°	211.1
62.5°	215.0
65°	217.6
67.5°	220.2
70°	221.5
72.5°	222.9
75°	224.2
77.5°	222.9
80°	222.9
82.5°	222.9
85°	224.2
87.5°	224.2
90°	224.2
92.5°	224.2
95°	224.2
97.5°	224.2
100°	222.9
102.5°	221.5
105°	220.2
107.5°	217.6
110°	215.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	211.1
115°	207.1
117.5°	203.2
120°	198.0
122.5°	194.0
125°	188.8
127.5°	183.5
130°	177.0
132.5°	171.7
135°	165.2
137.5°	157.3
140°	150.8
142.5°	144.2
145°	136.3
147.5°	129.8
150°	123.2
152.5°	115.4
155°	108.8
157.5°	100.9
160°	93.1
162.5°	83.9
165°	73.4
167.5°	59.0
170°	40.6
172.5°	24.9
175°	10.5
177.5°	2.6
180°	1.3



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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	10.0	11.0	10.9	12.0	13.1	10.0	11.0	10.9	12.0	13.1
	3H	13.0	14.0	13.9	14.9	16.1	13.0	14.0	13.9	14.9	16.1
	4H	14.4	15.3	15.3	16.3	17.5	14.4	15.3	15.3	16.3	17.5
	6H	15.8	16.7	16.7	17.6	18.8	15.8	16.7	16.7	17.6	18.8
	8H	16.5	17.3	17.4	18.3	19.5	16.5	17.3	17.4	18.3	19.5
	12H	17.2	17.9	18.1	18.9	20.1	17.2	17.9	18.1	18.9	20.1
4H	2H	10.8	11.7	11.7	12.6	13.8	10.8	11.7	11.7	12.6	13.8
	3H	13.9	14.7	14.9	15.7	16.9	13.9	14.7	14.9	15.7	16.9
	4H	15.5	16.3	16.5	17.2	18.5	15.5	16.3	16.5	17.2	18.5
	6H	17.1	17.8	18.0	18.7	20.0	17.1	17.8	18.0	18.7	20.0
	8H	17.9	18.5	18.8	19.4	20.7	17.9	18.5	18.8	19.4	20.7
	12H	18.6	19.2	19.6	20.2	21.4	18.6	19.2	19.6	20.2	21.4
8H	4H	16.0	16.7	17.0	17.6	18.9	16.0	16.7	17.0	17.6	18.9
	6H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6
	8H	18.7	19.2	19.7	20.2	21.5	18.7	19.2	19.7	20.2	21.5
	12H	19.6	20.1	20.6	21.1	22.4	19.6	20.1	20.6	21.1	22.4
12H	4H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
	6H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	8H	19.0	19.4	19.9	20.4	21.7	19.0	19.4	19.9	20.4	21.7

(END OF REPORT)