

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: P1244864

Luminaire Tested: PRLX-MIN-L-940-12L-U-NL

Issue Date: 1/30/2026

**Test Information**

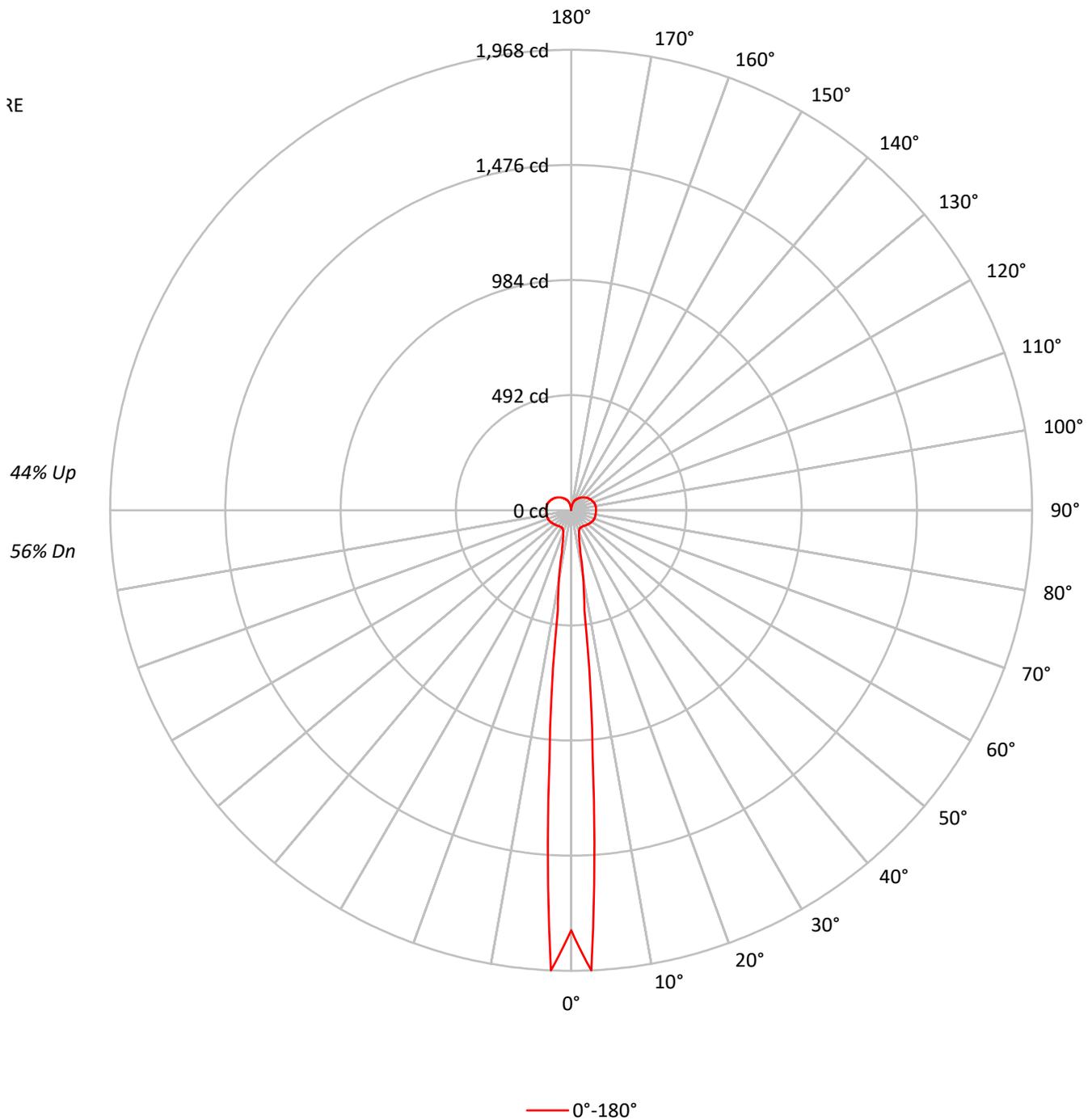
Test Method: LM-79-2019  
Report Number: P1244864  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-L-940-12L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1238.0 lumens  
Efficiency: N/A  
Efficacy: 40.6 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): 30.5  
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	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°	56771
5°	26033
10°	6069
15°	2316
20°	1496
25°	1191
30°	1058
35°	989
40°	956
45°	941
50°	933
55°	940
60°	947
65°	960
70°	969
75°	980
80°	981
85°	1001

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1023 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.7	6.1
10°-20°	41.7	3.4
20°-30°	40.6	3.3
30°-40°	53.3	4.3
40°-50°	69.9	5.6
50°-60°	87.0	7.0
60°-70°	102.3	8.3
70°-80°	111.9	9.0
80°-90°	115.7	9.3
90°-100°	115.9	9.4
100°-110°	110.1	8.9
110°-120°	97.5	7.9
120°-130°	80.2	6.5
130°-140°	60.5	4.9
140°-150°	40.9	3.3
150°-160°	24.0	1.9
160°-170°	9.9	0.8
170°-180°	1.0	0.1
0°-30°	158.0	12.8
0°-40°	211.2	17.1
0°-60°	368.1	29.7
0°-90°	698.0	56.4
90°-120°	323.5	26.1
90°-150°	505.2	40.8
90°-180°	540.0	43.6
0°-180°	1238.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1794	
5°	1055	76
15°	133	42
25°	86	41
35°	84	53
45°	90	70
55°	97	87
65°	103	102
75°	106	112
85°	106	87
90°	106	58
95°	106	87
105°	104	110
115°	98	97
125°	90	80
135°	78	61
145°	65	41
155°	52	24
165°	35	10
175°	5	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1794.5
2.5°	1968.5
5°	1055.4
7.5°	429.5
10°	298.4
12.5°	182.7
15°	133.0
17.5°	110.6
20°	97.6
22.5°	90.8
25°	86.4
27.5°	84.5
30°	83.9
32.5°	83.9
35°	84.5
37.5°	85.2
40°	87.0
42.5°	88.3
45°	90.1
47.5°	92.0
50°	93.2
52.5°	95.1
55°	97.0
57.5°	98.8
60°	100.1
62.5°	101.9
65°	103.2
67.5°	104.4
70°	105.0
72.5°	105.7
75°	106.3
77.5°	105.7
80°	105.7
82.5°	105.7
85°	106.3
87.5°	106.3
90°	106.3
92.5°	106.3
95°	106.3
97.5°	106.3
100°	105.7
102.5°	105.0
105°	104.4
107.5°	103.2
110°	101.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	100.1
115°	98.2
117.5°	96.3
120°	93.9
122.5°	92.0
125°	89.5
127.5°	87.0
130°	83.9
132.5°	81.4
135°	78.3
137.5°	74.6
140°	71.5
142.5°	68.4
145°	64.6
147.5°	61.5
150°	58.4
152.5°	54.7
155°	51.6
157.5°	47.9
160°	44.1
162.5°	39.8
165°	34.8
167.5°	28.0
170°	19.3
172.5°	11.8
175°	5.0
177.5°	1.2
180°	0.6



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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	7.4	8.4	8.3	9.4	10.5	7.4	8.4	8.3	9.4	10.5
	3H	10.4	11.4	11.3	12.3	13.5	10.4	11.4	11.3	12.3	13.5
	4H	11.8	12.8	12.7	13.7	14.9	11.8	12.8	12.7	13.7	14.9
	6H	13.2	14.1	14.2	15.0	16.2	13.2	14.1	14.2	15.0	16.2
	8H	13.9	14.7	14.8	15.7	16.9	13.9	14.7	14.8	15.7	16.9
	12H	14.6	15.3	15.5	16.3	17.5	14.6	15.3	15.5	16.3	17.5
4H	2H	8.2	9.1	9.1	10.0	11.2	8.2	9.1	9.1	10.0	11.2
	3H	11.4	12.2	12.3	13.1	14.3	11.4	12.2	12.3	13.1	14.3
	4H	12.9	13.7	13.9	14.6	15.9	12.9	13.7	13.9	14.6	15.9
	6H	14.5	15.2	15.4	16.1	17.4	14.5	15.2	15.4	16.1	17.4
	8H	15.3	15.9	16.2	16.9	18.1	15.3	15.9	16.2	16.9	18.1
	12H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
8H	4H	13.5	14.1	14.4	15.0	16.3	13.5	14.1	14.4	15.0	16.3
	6H	15.2	15.7	16.2	16.8	18.0	15.2	15.7	16.2	16.8	18.0
	8H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	12H	17.1	17.5	18.0	18.5	19.8	17.1	17.5	18.0	18.5	19.8
12H	4H	13.6	14.1	14.5	15.1	16.4	13.6	14.1	14.5	15.1	16.4
	6H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2
	8H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1

(END OF REPORT)