

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: P1244866

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

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244866  
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-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

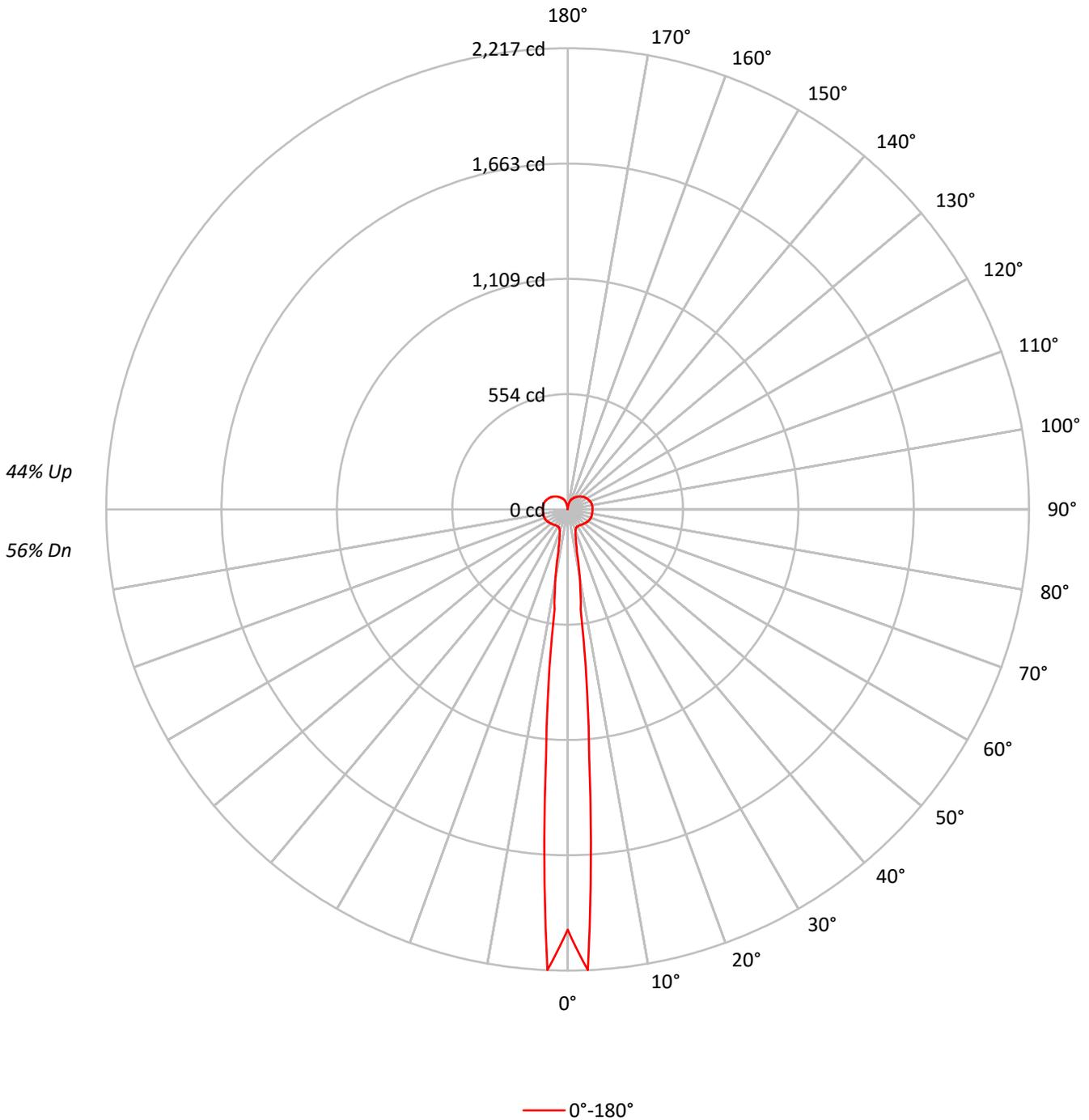
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1394.2 lumens  
Efficiency: N/A  
Efficacy: 45.7 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°	63924
5°	29313
10°	6834
15°	2609
20°	1685
25°	1341
30°	1192
35°	1114
40°	1077
45°	1060
50°	1051
55°	1058
60°	1066
65°	1081
70°	1091
75°	1103
80°	1104
85°	1127

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1152 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.2	6.1
10°-20°	46.9	3.4
20°-30°	45.7	3.3
30°-40°	60.0	4.3
40°-50°	78.7	5.6
50°-60°	98.0	7.0
60°-70°	115.2	8.3
70°-80°	126.0	9.0
80°-90°	130.3	9.3
90°-100°	130.5	9.4
100°-110°	124.1	8.9
110°-120°	109.8	7.9
120°-130°	90.4	6.5
130°-140°	68.2	4.9
140°-150°	46.1	3.3
150°-160°	27.0	1.9
160°-170°	11.1	0.8
170°-180°	1.1	0.1
0°-30°	177.9	12.8
0°-40°	237.9	17.1
0°-60°	414.5	29.7
0°-90°	786.0	56.4
90°-120°	364.3	26.1
90°-150°	569.0	40.8
90°-180°	608.0	43.6
0°-180°	1394.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2021	
5°	1188	85
15°	150	47
25°	97	46
35°	95	60
45°	102	79
55°	109	98
65°	116	115
75°	120	126
85°	120	98
90°	120	66
95°	120	98
105°	118	124
115°	111	110
125°	101	90
135°	88	68
145°	73	46
155°	58	27
165°	39	11
175°	6	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2020.6
2.5°	2216.6
5°	1188.4
7.5°	483.6
10°	336.0
12.5°	205.8
15°	149.8
17.5°	124.6
20°	109.9
22.5°	102.2
25°	97.3
27.5°	95.2
30°	94.5
32.5°	94.5
35°	95.2
37.5°	95.9
40°	98.0
42.5°	99.4
45°	101.5
47.5°	103.6
50°	105.0
52.5°	107.1
55°	109.2
57.5°	111.3
60°	112.7
62.5°	114.8
65°	116.2
67.5°	117.6
70°	118.3
72.5°	119.0
75°	119.7
77.5°	119.0
80°	119.0
82.5°	119.0
85°	119.7
87.5°	119.7
90°	119.7
92.5°	119.7
95°	119.7
97.5°	119.7
100°	119.0
102.5°	118.3
105°	117.6
107.5°	116.2
110°	114.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	112.7
115°	110.6
117.5°	108.5
120°	105.7
122.5°	103.6
125°	100.8
127.5°	98.0
130°	94.5
132.5°	91.7
135°	88.2
137.5°	84.0
140°	80.5
142.5°	77.0
145°	72.8
147.5°	69.3
150°	65.8
152.5°	61.6
155°	58.1
157.5°	53.9
160°	49.7
162.5°	44.8
165°	39.2
167.5°	31.5
170°	21.7
172.5°	13.3
175°	5.6
177.5°	1.4
180°	0.7



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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	7.8	8.9	8.7	9.8	10.9	7.8	8.9	8.7	9.8	10.9
	3H	10.8	11.8	11.7	12.7	13.9	10.8	11.8	11.7	12.7	13.9
	4H	12.3	13.2	13.2	14.1	15.3	12.3	13.2	13.2	14.1	15.3
	6H	13.7	14.5	14.6	15.4	16.7	13.7	14.5	14.6	15.4	16.7
	8H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	12H	15.0	15.8	15.9	16.7	17.9	15.0	15.8	15.9	16.7	17.9
4H	2H	8.6	9.5	9.5	10.4	11.6	8.6	9.5	9.5	10.4	11.6
	3H	11.8	12.6	12.7	13.5	14.7	11.8	12.6	12.7	13.5	14.7
	4H	13.4	14.1	14.3	15.0	16.3	13.4	14.1	14.3	15.0	16.3
	6H	14.9	15.6	15.8	16.5	17.8	14.9	15.6	15.8	16.5	17.8
	8H	15.7	16.3	16.6	17.3	18.5	15.7	16.3	16.6	17.3	18.5
	12H	16.4	17.0	17.4	18.0	19.2	16.4	17.0	17.4	18.0	19.2
8H	4H	13.9	14.5	14.8	15.5	16.7	13.9	14.5	14.8	15.5	16.7
	6H	15.6	16.2	16.6	17.2	18.4	15.6	16.2	16.6	17.2	18.4
	8H	16.5	17.0	17.5	18.0	19.3	16.5	17.0	17.5	18.0	19.3
	12H	17.5	17.9	18.4	18.9	20.2	17.5	17.9	18.4	18.9	20.2
12H	4H	14.0	14.5	14.9	15.5	16.8	14.0	14.5	14.9	15.5	16.8
	6H	15.8	16.3	16.8	17.3	18.6	15.8	16.3	16.8	17.3	18.6
	8H	16.8	17.2	17.8	18.2	19.5	16.8	17.2	17.8	18.2	19.5

(END OF REPORT)