

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: P1244797

Luminaire Tested: PRLX-MIN-L-927-16L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244797  
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-927-16L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

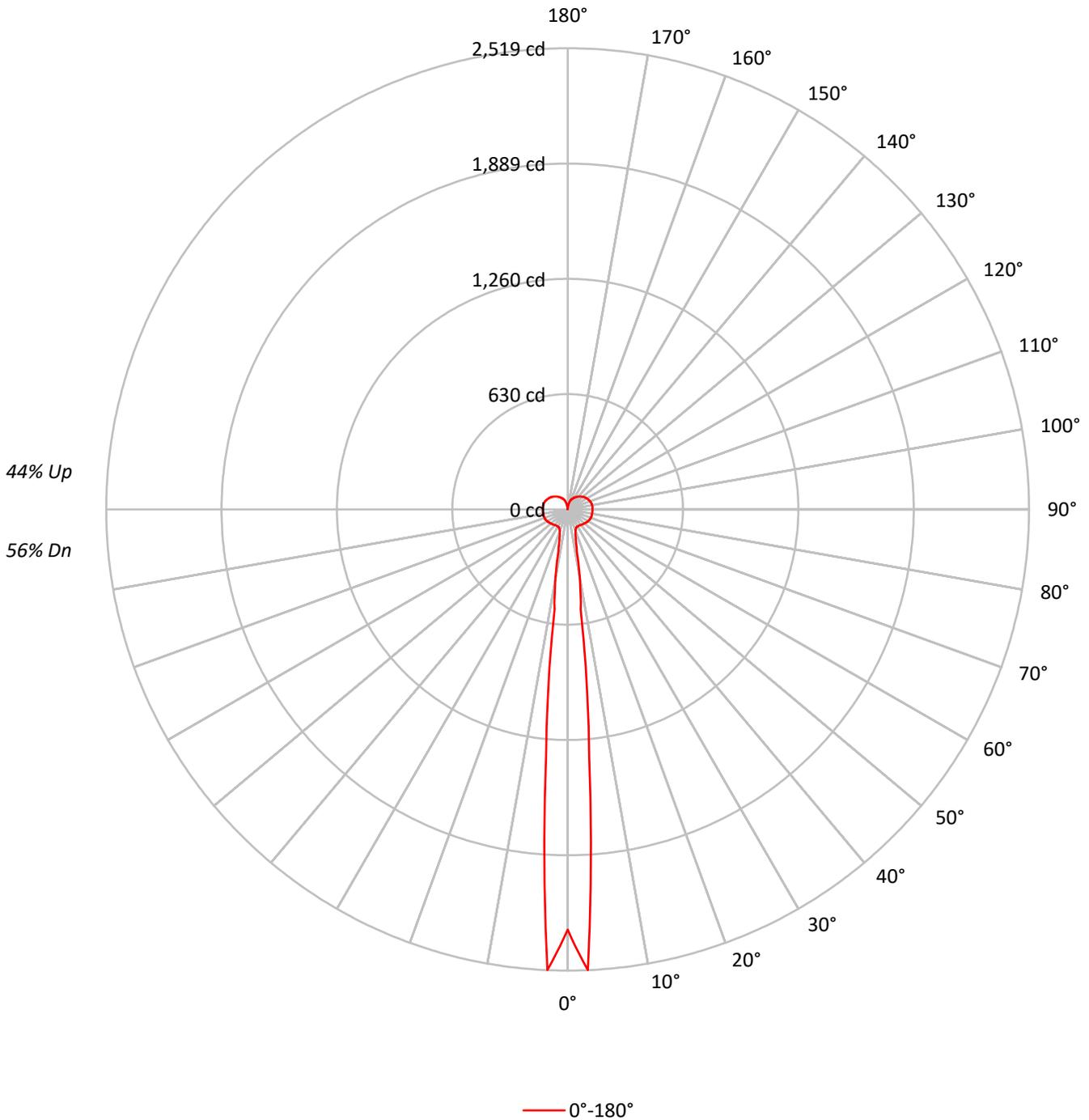
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1584.0 lumens  
Efficiency: N/A  
Efficacy: 40.8 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): 38.8  
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	37	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°	72637
5°	33309
10°	7764
15°	2964
20°	1915
25°	1523
30°	1354
35°	1266
40°	1223
45°	1204
50°	1194
55°	1202
60°	1210
65°	1228
70°	1240
75°	1253
80°	1254
85°	1280

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1309 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.8	6.1
10°-20°	53.3	3.4
20°-30°	52.0	3.3
30°-40°	68.2	4.3
40°-50°	89.4	5.6
50°-60°	111.3	7.0
60°-70°	130.9	8.3
70°-80°	143.1	9.0
80°-90°	148.1	9.3
90°-100°	148.3	9.4
100°-110°	140.9	8.9
110°-120°	124.7	7.9
120°-130°	102.7	6.5
130°-140°	77.5	4.9
140°-150°	52.4	3.3
150°-160°	30.7	1.9
160°-170°	12.6	0.8
170°-180°	1.2	0.1
0°-30°	202.1	12.8
0°-40°	270.3	17.1
0°-60°	471.0	29.7
0°-90°	893.1	56.4
90°-120°	413.9	26.1
90°-150°	646.4	40.8
90°-180°	691.0	43.6
0°-180°	1584.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2296	
5°	1350	97
15°	170	53
25°	110	52
35°	108	68
45°	115	89
55°	124	111
65°	132	131
75°	136	143
85°	136	111
90°	136	75
95°	136	111
105°	134	141
115°	126	125
125°	114	103
135°	100	77
145°	83	52
155°	66	31
165°	44	13
175°	6	1
180°	1	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2296.0
2.5°	2518.7
5°	1350.4
7.5°	549.5
10°	381.7
12.5°	233.8
15°	170.2
17.5°	141.6
20°	124.9
22.5°	116.1
25°	110.5
27.5°	108.2
30°	107.4
32.5°	107.4
35°	108.2
37.5°	109.0
40°	111.3
42.5°	112.9
45°	115.3
47.5°	117.7
50°	119.3
52.5°	121.7
55°	124.1
57.5°	126.5
60°	128.0
62.5°	130.4
65°	132.0
67.5°	133.6
70°	134.4
72.5°	135.2
75°	136.0
77.5°	135.2
80°	135.2
82.5°	135.2
85°	136.0
87.5°	136.0
90°	136.0
92.5°	136.0
95°	136.0
97.5°	136.0
100°	135.2
102.5°	134.4
105°	133.6
107.5°	132.0
110°	130.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	128.0
115°	125.7
117.5°	123.3
120°	120.1
122.5°	117.7
125°	114.5
127.5°	111.3
130°	107.4
132.5°	104.2
135°	100.2
137.5°	95.4
140°	91.5
142.5°	87.5
145°	82.7
147.5°	78.7
150°	74.8
152.5°	70.0
155°	66.0
157.5°	61.2
160°	56.5
162.5°	50.9
165°	44.5
167.5°	35.8
170°	24.7
172.5°	15.1
175°	6.4
177.5°	1.6
180°	0.8



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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	8.3	9.3	9.1	10.2	11.4	8.3	9.3	9.1	10.2	11.4
	3H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	4H	12.7	13.6	13.6	14.5	15.7	12.7	13.6	13.6	14.5	15.7
	6H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	8H	14.8	15.6	15.7	16.5	17.7	14.8	15.6	15.7	16.5	17.7
	12H	15.4	16.2	16.3	17.1	18.4	15.4	16.2	16.3	17.1	18.4
4H	2H	9.0	10.0	9.9	10.9	12.1	9.0	10.0	9.9	10.9	12.1
	3H	12.2	13.0	13.1	14.0	15.2	12.2	13.0	13.1	14.0	15.2
	4H	13.8	14.5	14.7	15.5	16.7	13.8	14.5	14.7	15.5	16.7
	6H	15.4	16.0	16.3	17.0	18.2	15.4	16.0	16.3	17.0	18.2
	8H	16.1	16.7	17.1	17.7	19.0	16.1	16.7	17.1	17.7	19.0
	12H	16.9	17.4	17.8	18.4	19.7	16.9	17.4	17.8	18.4	19.7
8H	4H	14.3	14.9	15.2	15.9	17.2	14.3	14.9	15.2	15.9	17.2
	6H	16.1	16.6	17.0	17.6	18.9	16.1	16.6	17.0	17.6	18.9
	8H	17.0	17.5	17.9	18.5	19.7	17.0	17.5	17.9	18.5	19.7
	12H	17.9	18.3	18.9	19.3	20.6	17.9	18.3	18.9	19.3	20.6
12H	4H	14.4	15.0	15.4	16.0	17.2	14.4	15.0	15.4	16.0	17.2
	6H	16.2	16.7	17.2	17.7	19.0	16.2	16.7	17.2	17.7	19.0
	8H	17.2	17.7	18.2	18.7	20.0	17.2	17.7	18.2	18.7	20.0

(END OF REPORT)