

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: P1245015

Luminaire Tested: PRLX-NIM-L-927-16L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-927-16L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

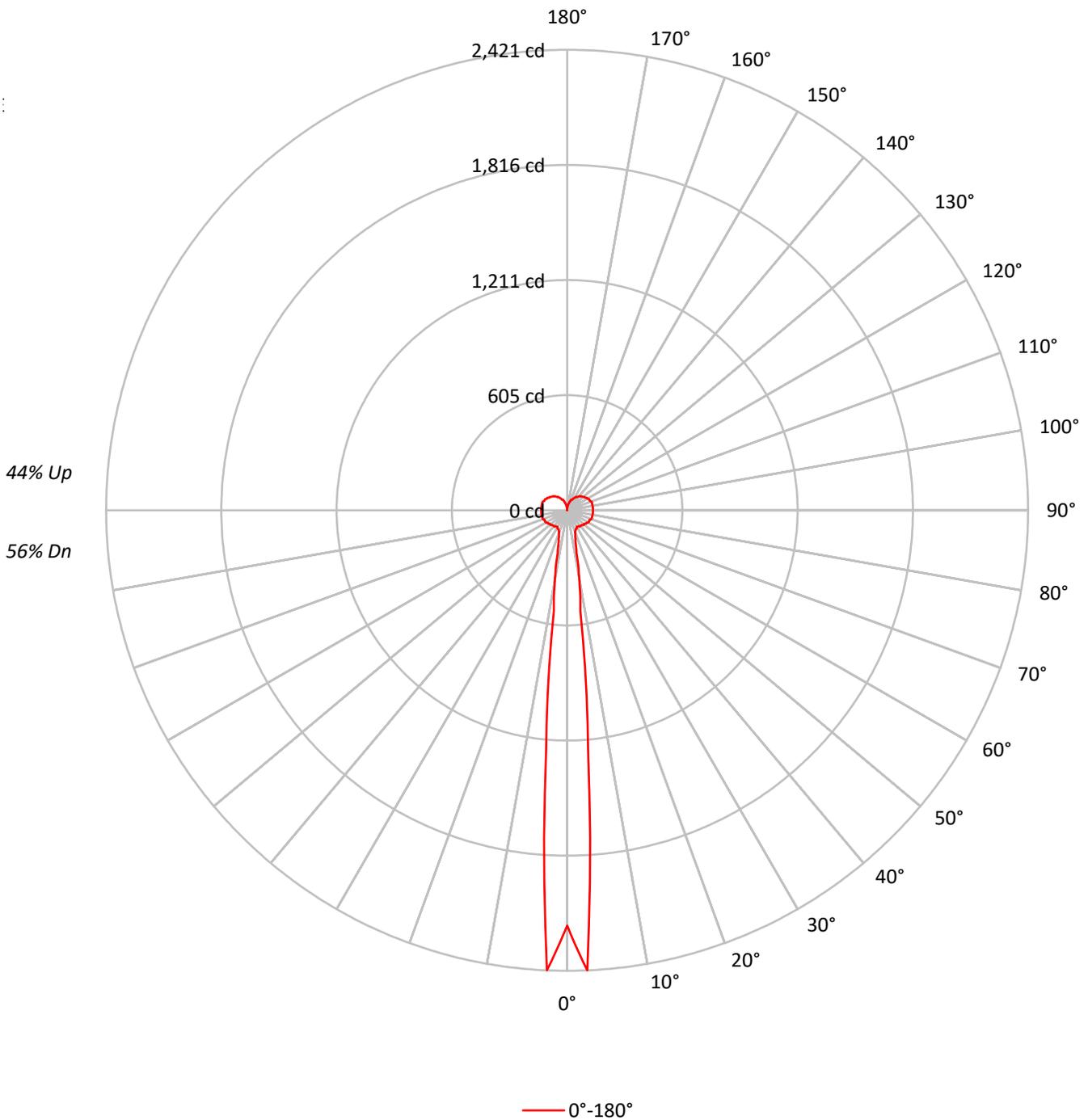
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1577.9 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

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

	0°
0°	69075
5°	31277
10°	7448
15°	2952
20°	1872
25°	1496
30°	1282
35°	1190
40°	1193
45°	1133
50°	1154
55°	1183
60°	1218
65°	1198
70°	1251
75°	1250
80°	1258
85°	1277

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.6	5.9
10°-20°	52.6	3.3
20°-30°	51.2	3.2
30°-40°	65.6	4.2
40°-50°	86.1	5.5
50°-60°	108.1	6.9
60°-70°	128.7	8.2
70°-80°	143.5	9.1
80°-90°	147.9	9.4
90°-100°	147.9	9.4
100°-110°	143.5	9.1
110°-120°	127.9	8.1
120°-130°	105.1	6.7
130°-140°	80.2	5.1
140°-150°	54.0	3.4
150°-160°	29.7	1.9
160°-170°	11.9	0.8
170°-180°	1.5	0.1
0°-30°	196.3	12.4
0°-40°	261.9	16.6
0°-60°	456.2	28.9
0°-90°	876.3	55.5
90°-120°	419.3	26.6
90°-150°	658.6	41.7
90°-180°	702.0	44.5
0°-180°	1577.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2183	
5°	1268	93
15°	170	53
25°	108	51
35°	102	66
45°	108	86
55°	122	108
65°	129	129
75°	136	143
85°	136	111
90°	136	74
95°	136	111
105°	136	143
115°	129	128
125°	115	105
135°	102	80
145°	88	54
155°	61	30
165°	41	12
175°	7	1
180°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2183.4
2.5°	2420.8
5°	1268.0
7.5°	535.7
10°	366.2
12.5°	230.5
15°	169.5
17.5°	142.4
20°	122.1
22.5°	115.3
25°	108.5
27.5°	108.5
30°	101.7
32.5°	101.7
35°	101.7
37.5°	108.5
40°	108.5
42.5°	108.5
45°	108.5
47.5°	115.3
50°	115.3
52.5°	115.3
55°	122.1
57.5°	122.1
60°	128.8
62.5°	128.8
65°	128.8
67.5°	128.8
70°	135.6
72.5°	135.6
75°	135.6
77.5°	135.6
80°	135.6
82.5°	135.6
85°	135.6
87.5°	135.6
90°	135.6
92.5°	135.6
95°	135.6
97.5°	135.6
100°	135.6
102.5°	135.6
105°	135.6
107.5°	135.6
110°	135.6

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	128.8
115°	128.8
117.5°	128.8
120°	122.1
122.5°	122.1
125°	115.3
127.5°	115.3
130°	108.5
132.5°	108.5
135°	101.7
137.5°	101.7
140°	94.9
142.5°	88.2
145°	88.2
147.5°	81.4
150°	74.6
152.5°	67.8
155°	61.0
157.5°	61.0
160°	54.2
162.5°	47.5
165°	40.7
167.5°	33.9
170°	27.1
172.5°	20.3
175°	6.8
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	8.0	9.1	8.9	10.0	11.2	8.0	9.1	8.9	10.0	11.2
	3H	11.1	12.0	12.0	13.0	14.2	11.1	12.0	12.0	13.0	14.2
	4H	12.6	13.5	13.5	14.4	15.6	12.6	13.5	13.5	14.4	15.6
	6H	14.0	14.9	14.9	15.8	17.0	14.0	14.9	14.9	15.8	17.0
	8H	14.7	15.5	15.6	16.5	17.7	14.7	15.5	15.6	16.5	17.7
	12H	15.4	16.1	16.3	17.1	18.4	15.4	16.1	16.3	17.1	18.4
4H	2H	8.8	9.7	9.7	10.7	11.9	8.8	9.7	9.7	10.7	11.9
	3H	12.1	12.9	13.0	13.8	15.1	12.1	12.9	13.0	13.8	15.1
	4H	13.7	14.4	14.6	15.4	16.7	13.7	14.4	14.6	15.4	16.7
	6H	15.3	16.0	16.2	16.9	18.2	15.3	16.0	16.2	16.9	18.2
	8H	16.1	16.7	17.0	17.7	18.9	16.1	16.7	17.0	17.7	18.9
	12H	16.8	17.4	17.8	18.4	19.7	16.8	17.4	17.8	18.4	19.7
8H	4H	14.2	14.9	15.2	15.8	17.1	14.2	14.9	15.2	15.8	17.1
	6H	16.0	16.6	17.0	17.6	18.8	16.0	16.6	17.0	17.6	18.8
	8H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	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	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	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	17.6	18.2	18.6	20.0	17.2	17.6	18.2	18.6	20.0

(END OF REPORT)