

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: P1245059

Luminaire Tested: PRLX-NIM-L-930-27L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245059  
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-930-27L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

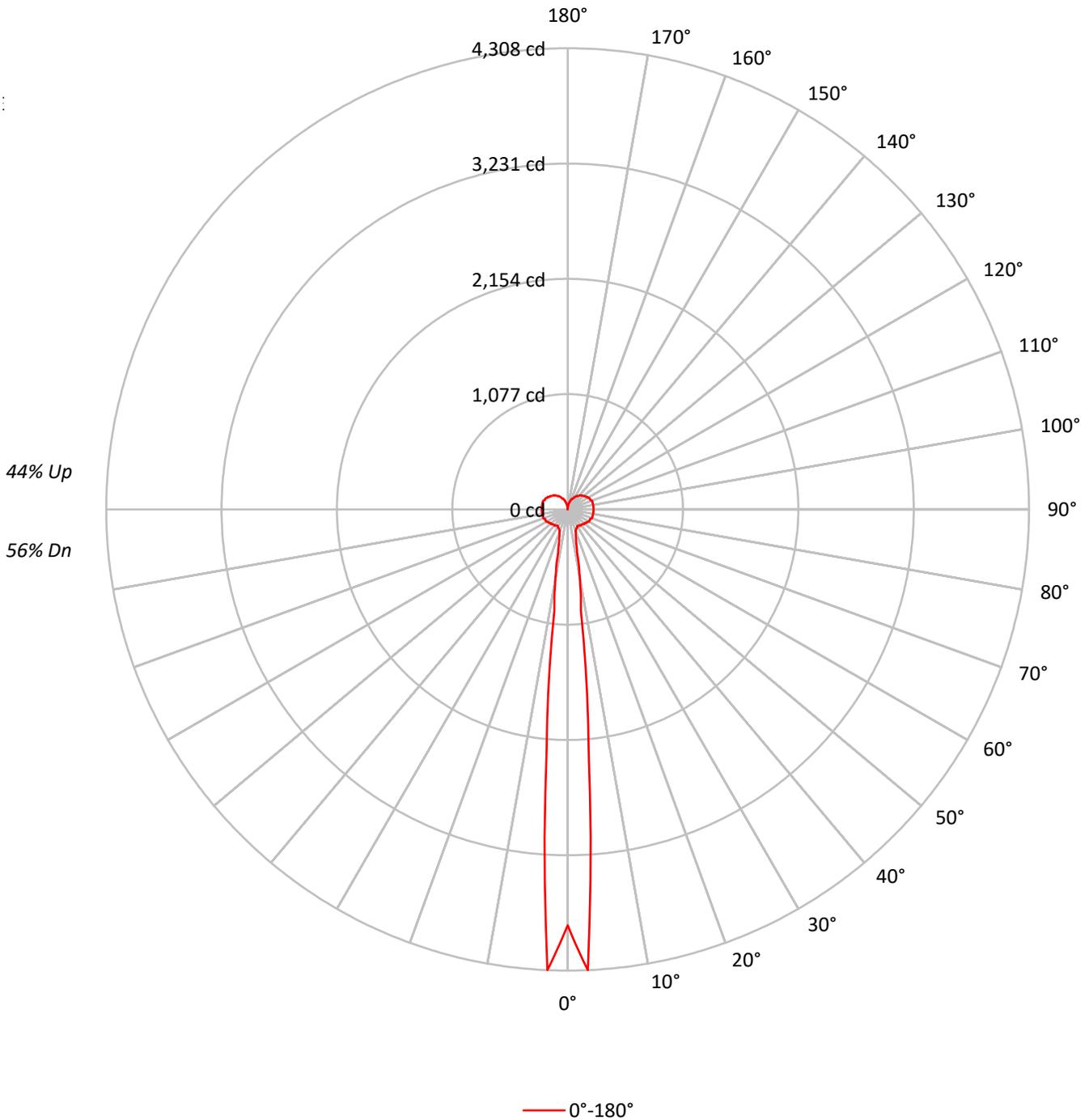
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2808.0 lumens  
Efficiency: N/A  
Efficacy: 40.5 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): 69.4  
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	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°	122920
5°	55657
10°	13253
15°	5255
20°	3330
25°	2662
30°	2282
35°	2118
40°	2122
45°	2016
50°	2053
55°	2104
60°	2168
65°	2133
70°	2226
75°	2224
80°	2239
85°	2272

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2323 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.7	5.9
10°-20°	93.6	3.3
20°-30°	91.0	3.2
30°-40°	116.8	4.2
40°-50°	153.2	5.5
50°-60°	192.4	6.9
60°-70°	229.1	8.2
70°-80°	255.3	9.1
80°-90°	263.3	9.4
90°-100°	263.3	9.4
100°-110°	255.3	9.1
110°-120°	227.7	8.1
120°-130°	186.9	6.7
130°-140°	142.8	5.1
140°-150°	96.1	3.4
150°-160°	52.8	1.9
160°-170°	21.2	0.8
170°-180°	2.6	0.1
0°-30°	349.4	12.4
0°-40°	466.1	16.6
0°-60°	811.7	28.9
0°-90°	1559.4	55.5
90°-120°	746.2	26.6
90°-150°	1172.0	41.7
90°-180°	1249.0	44.5
0°-180°	2808.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3885	
5°	2256	165
15°	302	94
25°	193	91
35°	181	117
45°	193	153
55°	217	192
65°	229	229
75°	241	255
85°	241	197
90°	241	132
95°	241	197
105°	241	255
115°	229	228
125°	205	187
135°	181	143
145°	157	96
155°	109	53
165°	72	21
175°	12	3
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3885.4
2.5°	4307.7
5°	2256.4
7.5°	953.2
10°	651.6
12.5°	410.3
15°	301.7
17.5°	253.4
20°	217.2
22.5°	205.1
25°	193.1
27.5°	193.1
30°	181.0
32.5°	181.0
35°	181.0
37.5°	193.1
40°	193.1
42.5°	193.1
45°	193.1
47.5°	205.1
50°	205.1
52.5°	205.1
55°	217.2
57.5°	217.2
60°	229.3
62.5°	229.3
65°	229.3
67.5°	229.3
70°	241.3
72.5°	241.3
75°	241.3
77.5°	241.3
80°	241.3
82.5°	241.3
85°	241.3
87.5°	241.3
90°	241.3
92.5°	241.3
95°	241.3
97.5°	241.3
100°	241.3
102.5°	241.3
105°	241.3
107.5°	241.3
110°	241.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	229.3
115°	229.3
117.5°	229.3
120°	217.2
122.5°	217.2
125°	205.1
127.5°	205.1
130°	193.1
132.5°	193.1
135°	181.0
137.5°	181.0
140°	168.9
142.5°	156.9
145°	156.9
147.5°	144.8
150°	132.7
152.5°	120.7
155°	108.6
157.5°	108.6
160°	96.5
162.5°	84.5
165°	72.4
167.5°	60.3
170°	48.3
172.5°	36.2
175°	12.1
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	10.0	11.1	10.9	12.0	13.2	10.0	11.1	10.9	12.0	13.2
	3H	13.1	14.0	14.0	15.0	16.2	13.1	14.0	14.0	15.0	16.2
	4H	14.6	15.5	15.5	16.4	17.6	14.6	15.5	15.5	16.4	17.6
	6H	16.0	16.9	16.9	17.8	19.0	16.0	16.9	16.9	17.8	19.0
	8H	16.7	17.5	17.6	18.5	19.7	16.7	17.5	17.6	18.5	19.7
	12H	17.4	18.2	18.3	19.1	20.4	17.4	18.2	18.3	19.1	20.4
4H	2H	10.8	11.7	11.7	12.7	13.9	10.8	11.7	11.7	12.7	13.9
	3H	14.1	14.9	15.0	15.8	17.1	14.1	14.9	15.0	15.8	17.1
	4H	15.7	16.5	16.6	17.4	18.7	15.7	16.5	16.6	17.4	18.7
	6H	17.3	18.0	18.2	18.9	20.2	17.3	18.0	18.2	18.9	20.2
	8H	18.1	18.7	19.0	19.7	20.9	18.1	18.7	19.0	19.7	20.9
	12H	18.8	19.4	19.8	20.4	21.7	18.8	19.4	19.8	20.4	21.7
8H	4H	16.2	16.9	17.2	17.8	19.1	16.2	16.9	17.2	17.8	19.1
	6H	18.0	18.6	19.0	19.6	20.8	18.0	18.6	19.0	19.6	20.8
	8H	18.9	19.4	19.9	20.4	21.7	18.9	19.4	19.9	20.4	21.7
	12H	19.9	20.3	20.9	21.3	22.6	19.9	20.3	20.9	21.3	22.6
12H	4H	16.3	16.9	17.3	17.9	19.2	16.3	16.9	17.3	17.9	19.2
	6H	18.2	18.7	19.2	19.7	21.0	18.2	18.7	19.2	19.7	21.0
	8H	19.2	19.6	20.2	20.6	22.0	19.2	19.6	20.2	20.6	22.0

(END OF REPORT)