

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: P1245062

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

Issue Date: 1/30/2026

**Test Information**

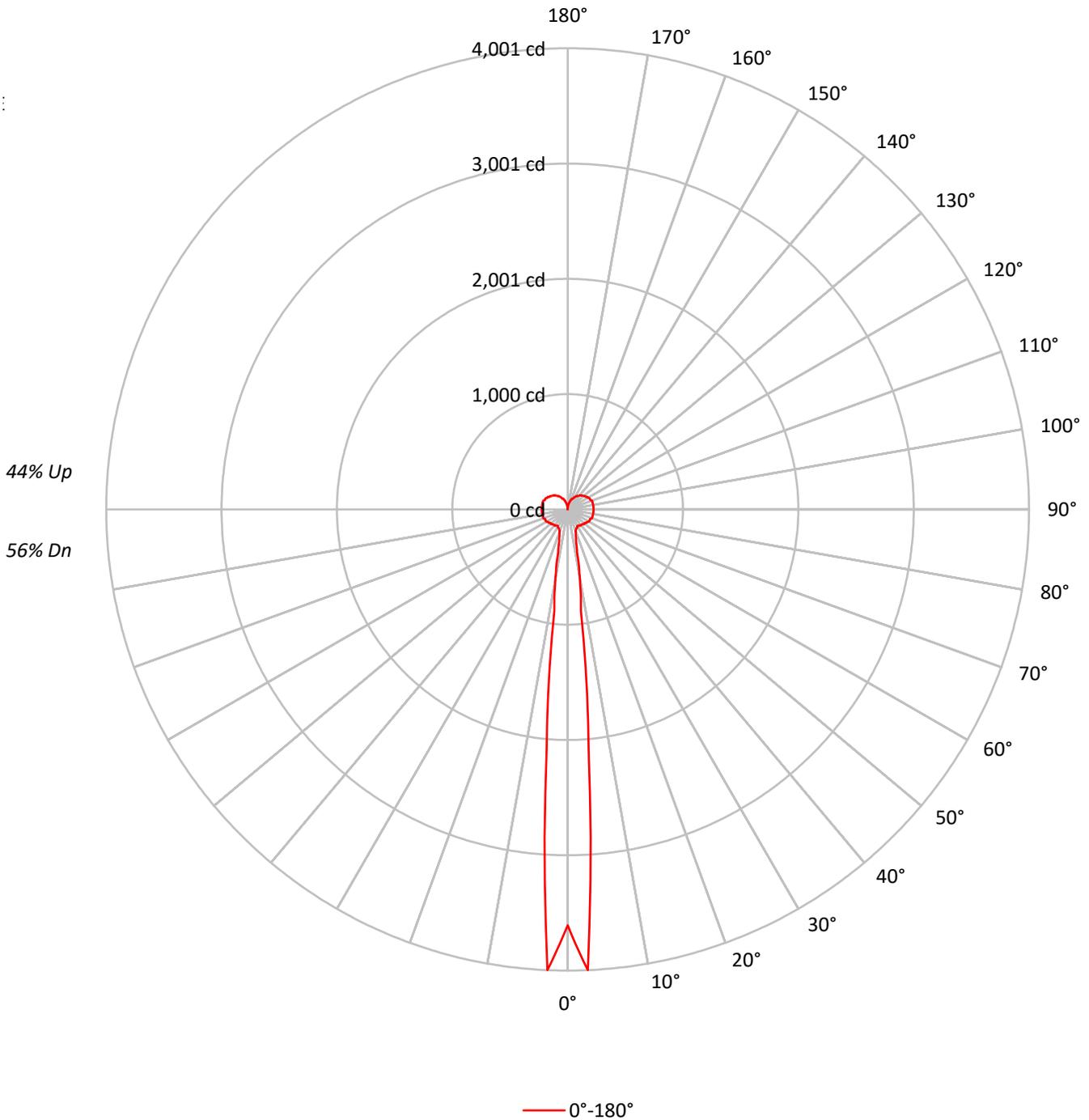
Test Method: LM-79-2019  
Report Number: P1245062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-930-27L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE  
LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2607.7 lumens  
Efficiency: N/A  
Efficacy: 37.6 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 (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		
RC	80					70						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°	114163
5°	51693
10°	12310
15°	4880
20°	3092
25°	2472
30°	2120
35°	1967
40°	1971
45°	1872
50°	1907
55°	1954
60°	2013
65°	1981
70°	2067
75°	2065
80°	2079
85°	2110

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2158 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.0	5.9
10°-20°	86.9	3.3
20°-30°	84.5	3.2
30°-40°	108.4	4.2
40°-50°	142.3	5.5
50°-60°	178.6	6.9
60°-70°	212.8	8.2
70°-80°	237.1	9.1
80°-90°	244.5	9.4
90°-100°	244.5	9.4
100°-110°	237.1	9.1
110°-120°	211.4	8.1
120°-130°	173.6	6.7
130°-140°	132.6	5.1
140°-150°	89.2	3.4
150°-160°	49.0	1.9
160°-170°	19.7	0.8
170°-180°	2.4	0.1
0°-30°	324.4	12.4
0°-40°	432.9	16.6
0°-60°	753.8	28.9
0°-90°	1448.1	55.5
90°-120°	693.0	26.6
90°-150°	1088.4	41.7
90°-180°	1160.0	44.5
0°-180°	2607.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3609	
5°	2096	153
15°	280	87
25°	179	85
35°	168	108
45°	179	142
55°	202	179
65°	213	213
75°	224	237
85°	224	183
90°	224	123
95°	224	183
105°	224	237
115°	213	211
125°	190	174
135°	168	133
145°	146	89
155°	101	49
165°	67	20
175°	11	2
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3608.6
2.5°	4000.9
5°	2095.7
7.5°	885.3
10°	605.2
12.5°	381.0
15°	280.2
17.5°	235.3
20°	201.7
22.5°	190.5
25°	179.3
27.5°	179.3
30°	168.1
32.5°	168.1
35°	168.1
37.5°	179.3
40°	179.3
42.5°	179.3
45°	179.3
47.5°	190.5
50°	190.5
52.5°	190.5
55°	201.7
57.5°	201.7
60°	212.9
62.5°	212.9
65°	212.9
67.5°	212.9
70°	224.1
72.5°	224.1
75°	224.1
77.5°	224.1
80°	224.1
82.5°	224.1
85°	224.1
87.5°	224.1
90°	224.1
92.5°	224.1
95°	224.1
97.5°	224.1
100°	224.1
102.5°	224.1
105°	224.1
107.5°	224.1
110°	224.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	212.9
115°	212.9
117.5°	212.9
120°	201.7
122.5°	201.7
125°	190.5
127.5°	190.5
130°	179.3
132.5°	179.3
135°	168.1
137.5°	168.1
140°	156.9
142.5°	145.7
145°	145.7
147.5°	134.5
150°	123.3
152.5°	112.1
155°	100.9
157.5°	100.9
160°	89.7
162.5°	78.4
165°	67.2
167.5°	56.0
170°	44.8
172.5°	33.6
175°	11.2
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	9.8	10.8	10.7	11.7	12.9	9.8	10.8	10.7	11.7	12.9
	3H	12.8	13.8	13.7	14.7	15.9	12.8	13.8	13.7	14.7	15.9
	4H	14.3	15.2	15.2	16.2	17.4	14.3	15.2	15.2	16.2	17.4
	6H	15.8	16.6	16.7	17.6	18.8	15.8	16.6	16.7	17.6	18.8
	8H	16.5	17.3	17.4	18.2	19.4	16.5	17.3	17.4	18.2	19.4
	12H	17.1	17.9	18.0	18.8	20.1	17.1	17.9	18.0	18.8	20.1
4H	2H	10.6	11.5	11.5	12.4	13.6	10.6	11.5	11.5	12.4	13.6
	3H	13.8	14.6	14.8	15.6	16.8	13.8	14.6	14.8	15.6	16.8
	4H	15.5	16.2	16.4	17.2	18.4	15.5	16.2	16.4	17.2	18.4
	6H	17.1	17.7	18.0	18.7	19.9	17.1	17.7	18.0	18.7	19.9
	8H	17.8	18.4	18.8	19.4	20.7	17.8	18.4	18.8	19.4	20.7
	12H	18.6	19.2	19.6	20.1	21.4	18.6	19.2	19.6	20.1	21.4
8H	4H	16.0	16.6	16.9	17.6	18.8	16.0	16.6	16.9	17.6	18.8
	6H	17.8	18.3	18.7	19.3	20.6	17.8	18.3	18.7	19.3	20.6
	8H	18.7	19.2	19.7	20.2	21.5	18.7	19.2	19.7	20.2	21.5
	12H	19.6	20.1	20.6	21.1	22.4	19.6	20.1	20.6	21.1	22.4
12H	4H	16.1	16.7	17.1	17.7	18.9	16.1	16.7	17.1	17.7	18.9
	6H	18.0	18.4	18.9	19.4	20.7	18.0	18.4	18.9	19.4	20.7
	8H	19.0	19.4	19.9	20.4	21.7	19.0	19.4	19.9	20.4	21.7

(END OF REPORT)