

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: P1244999

Luminaire Tested: PRLX-NIM-L-927-02L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244999  
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-927-02L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

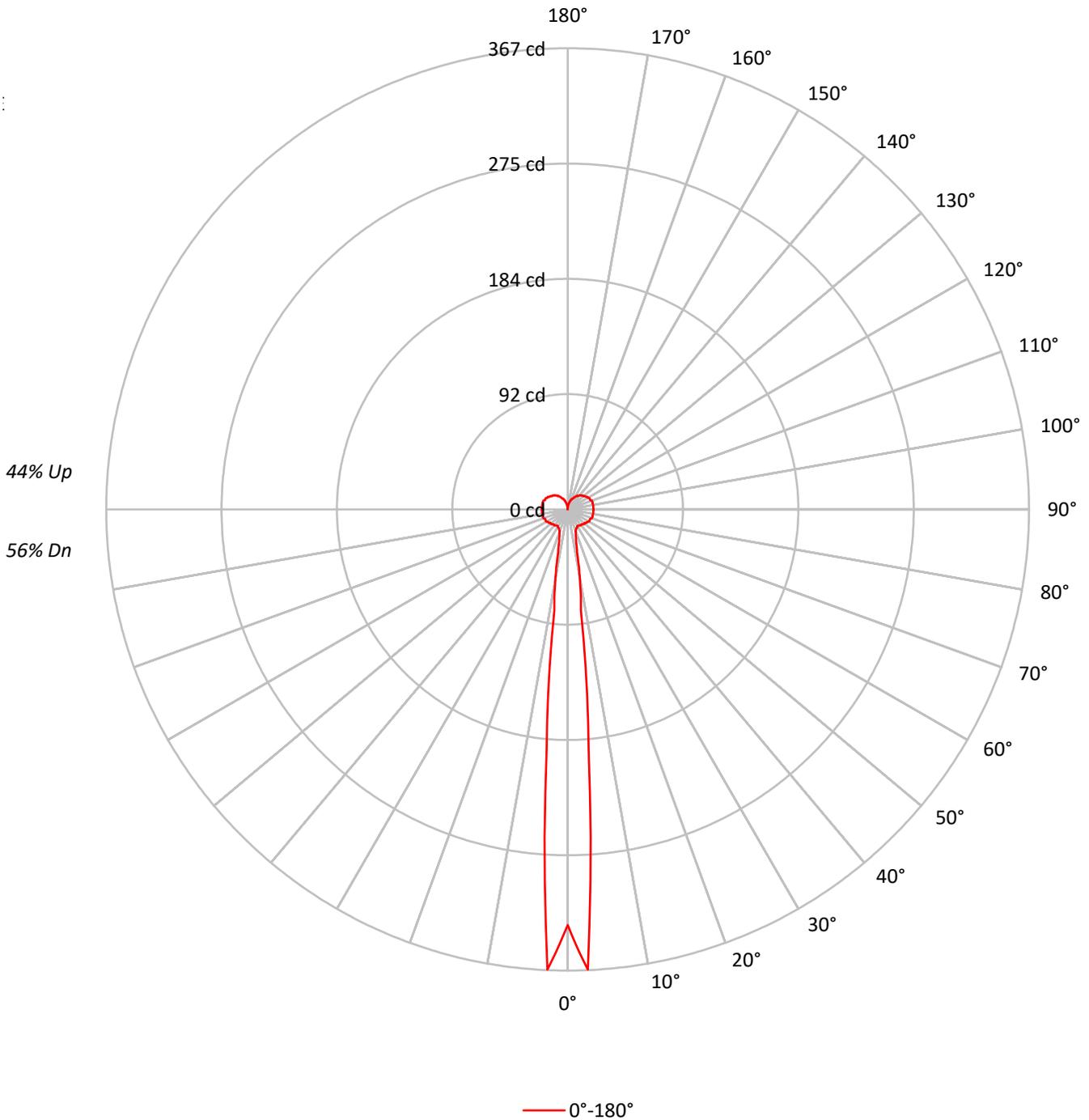
Lumens per Lamp: N/A  
Luminaire Lumens: 238.8 lumens  
Efficiency: N/A  
Efficacy: 42.6 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 5.6  
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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CATALOG NUMBER: PRLX-NIM-L-927-02L-U-LF

### 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°	10462
5°	4738
10°	1129
15°	448
20°	284
25°	226
30°	194
35°	180
40°	180
45°	171
50°	175
55°	179
60°	184
65°	181
70°	189
75°	189
80°	190
85°	193

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 197 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	5.9
10°-20°	8.0	3.3
20°-30°	7.7	3.2
30°-40°	9.9	4.2
40°-50°	13.0	5.5
50°-60°	16.4	6.9
60°-70°	19.5	8.2
70°-80°	21.7	9.1
80°-90°	22.4	9.4
90°-100°	22.4	9.4
100°-110°	21.7	9.1
110°-120°	19.4	8.1
120°-130°	15.9	6.7
130°-140°	12.1	5.1
140°-150°	8.2	3.4
150°-160°	4.5	1.9
160°-170°	1.8	0.8
170°-180°	0.2	0.1
0°-30°	29.7	12.5
0°-40°	39.7	16.6
0°-60°	69.1	28.9
0°-90°	132.6	55.5
90°-120°	63.4	26.6
90°-150°	99.7	41.7
90°-180°	106.0	44.4
0°-180°	238.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	331	
5°	192	14
15°	26	8
25°	16	8
35°	15	10
45°	16	13
55°	18	16
65°	20	19
75°	20	22
85°	20	17
90°	20	11
95°	20	17
105°	20	22
115°	20	19
125°	18	16
135°	15	12
145°	13	8
155°	9	4
165°	6	2
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	330.7
2.5°	366.6
5°	192.1
7.5°	81.1
10°	55.5
12.5°	34.9
15°	25.7
17.5°	21.6
20°	18.5
22.5°	17.5
25°	16.4
27.5°	16.4
30°	15.4
32.5°	15.4
35°	15.4
37.5°	16.4
40°	16.4
42.5°	16.4
45°	16.4
47.5°	17.5
50°	17.5
52.5°	17.5
55°	18.5
57.5°	18.5
60°	19.5
62.5°	19.5
65°	19.5
67.5°	19.5
70°	20.5
72.5°	20.5
75°	20.5
77.5°	20.5
80°	20.5
82.5°	20.5
85°	20.5
87.5°	20.5
90°	20.5
92.5°	20.5
95°	20.5
97.5°	20.5
100°	20.5
102.5°	20.5
105°	20.5
107.5°	20.5
110°	20.5

TEST NUMBER: P1244999

CATALOG NUMBER: PRLX-NIM-L-927-02L-U-LF

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	19.5
115°	19.5
117.5°	19.5
120°	18.5
122.5°	18.5
125°	17.5
127.5°	17.5
130°	16.4
132.5°	16.4
135°	15.4
137.5°	15.4
140°	14.4
142.5°	13.4
145°	13.4
147.5°	12.3
150°	11.3
152.5°	10.3
155°	9.2
157.5°	9.2
160°	8.2
162.5°	7.2
165°	6.2
167.5°	5.1
170°	4.1
172.5°	3.1
175°	1.0
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	1.5	2.5	2.4	3.4	4.6	1.5	2.5	2.4	3.4	4.6
	3H	4.5	5.5	5.4	6.4	7.6	4.5	5.5	5.4	6.4	7.6
	4H	6.0	6.9	6.9	7.9	9.1	6.0	6.9	6.9	7.9	9.1
	6H	7.5	8.3	8.4	9.3	10.5	7.5	8.3	8.4	9.3	10.5
	8H	8.1	9.0	9.1	9.9	11.1	8.1	9.0	9.1	9.9	11.1
	12H	8.8	9.6	9.7	10.5	11.8	8.8	9.6	9.7	10.5	11.8
4H	2H	2.3	3.2	3.2	4.1	5.3	2.3	3.2	3.2	4.1	5.3
	3H	5.5	6.3	6.4	7.3	8.5	5.5	6.3	6.4	7.3	8.5
	4H	7.1	7.9	8.1	8.8	10.1	7.1	7.9	8.1	8.8	10.1
	6H	8.7	9.4	9.7	10.4	11.6	8.7	9.4	9.7	10.4	11.6
	8H	9.5	10.1	10.5	11.1	12.4	9.5	10.1	10.5	11.1	12.4
	12H	10.3	10.8	11.2	11.8	13.1	10.3	10.8	11.2	11.8	13.1
8H	4H	7.7	8.3	8.6	9.3	10.5	7.7	8.3	8.6	9.3	10.5
	6H	9.5	10.0	10.4	11.0	12.3	9.5	10.0	10.4	11.0	12.3
	8H	10.4	10.9	11.4	11.9	13.1	10.4	10.9	11.4	11.9	13.1
	12H	11.3	11.8	12.3	12.7	14.1	11.3	11.8	12.3	12.7	14.1
12H	4H	7.8	8.4	8.7	9.3	10.6	7.8	8.4	8.7	9.3	10.6
	6H	9.6	10.1	10.6	11.1	12.4	9.6	10.1	10.6	11.1	12.4
	8H	10.6	11.1	11.6	12.1	13.4	10.6	11.1	11.6	12.1	13.4

(END OF REPORT)