

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: P1245000

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

Issue Date: 1/30/2026

**Test Information**

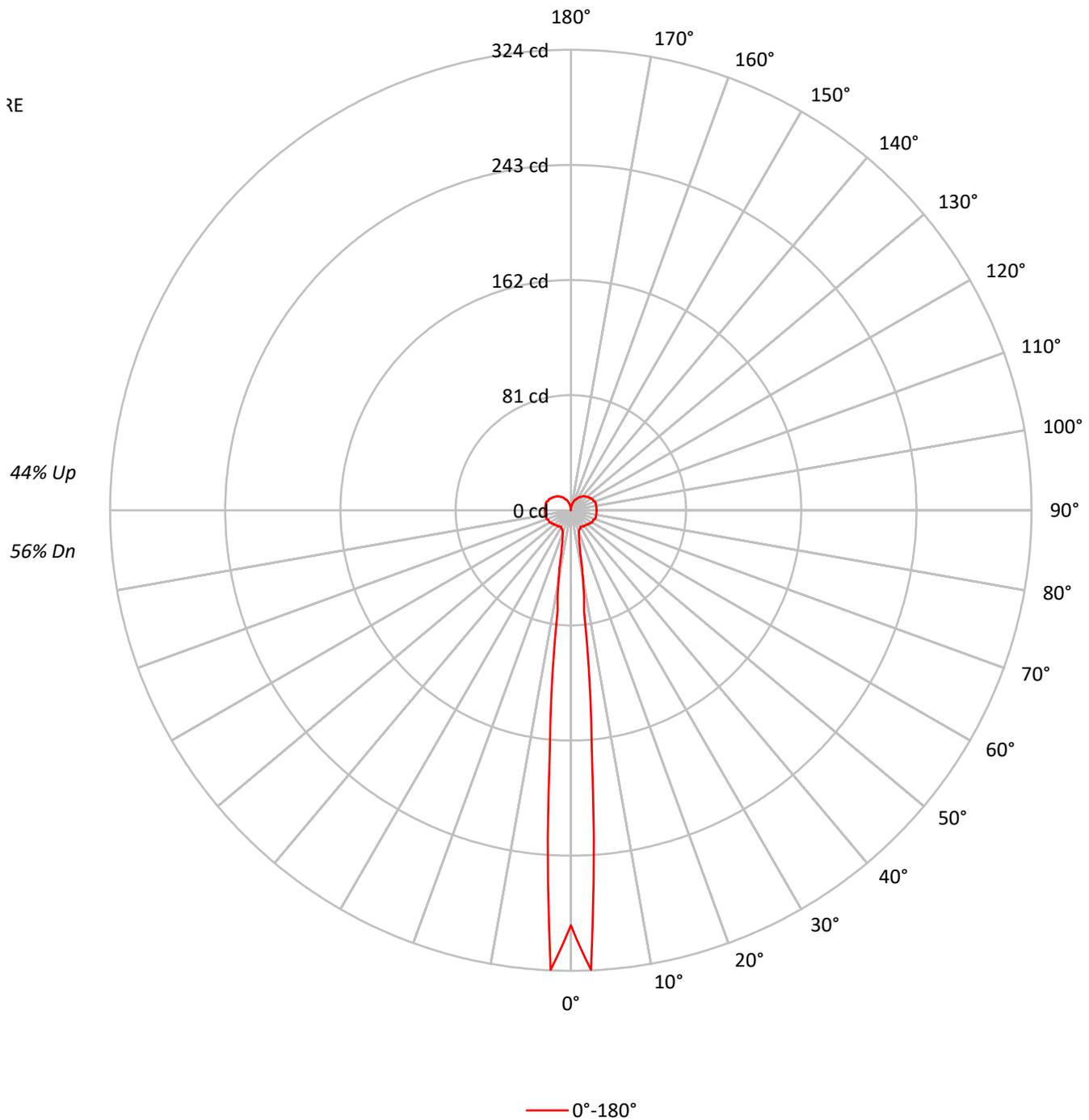
Test Method: LM-79-2019  
Report Number: P1245000  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-927-02L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 210.8 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): 5.6  
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°	9238
5°	4183
10°	997
15°	395
20°	250
25°	200
30°	171
35°	159
40°	159
45°	151
50°	154
55°	158
60°	163
65°	160
70°	167
75°	167
80°	168
85°	170

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 174 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.4	5.9
10°-20°	7.0	3.3
20°-30°	6.8	3.2
30°-40°	8.8	4.2
40°-50°	11.5	5.5
50°-60°	14.4	6.8
60°-70°	17.2	8.2
70°-80°	19.1	9.1
80°-90°	19.7	9.4
90°-100°	19.7	9.4
100°-110°	19.1	9.1
110°-120°	17.1	8.1
120°-130°	14.0	6.7
130°-140°	10.7	5.1
140°-150°	7.2	3.4
150°-160°	4.0	1.9
160°-170°	1.6	0.8
170°-180°	0.2	0.1
0°-30°	26.2	12.5
0°-40°	35.0	16.6
0°-60°	61.0	28.9
0°-90°	117.0	55.5
90°-120°	56.0	26.6
90°-150°	88.0	41.7
90°-180°	94.0	44.6
0°-180°	210.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	292	
5°	170	12
15°	23	7
25°	14	7
35°	14	9
45°	14	12
55°	16	14
65°	17	17
75°	18	19
85°	18	15
90°	18	10
95°	18	15
105°	18	19
115°	17	17
125°	15	14
135°	14	11
145°	12	7
155°	8	4
165°	5	2
175°	1	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	292.0
2.5°	323.7
5°	169.6
7.5°	71.6
10°	49.0
12.5°	30.8
15°	22.7
17.5°	19.0
20°	16.3
22.5°	15.4
25°	14.5
27.5°	14.5
30°	13.6
32.5°	13.6
35°	13.6
37.5°	14.5
40°	14.5
42.5°	14.5
45°	14.5
47.5°	15.4
50°	15.4
52.5°	15.4
55°	16.3
57.5°	16.3
60°	17.2
62.5°	17.2
65°	17.2
67.5°	17.2
70°	18.1
72.5°	18.1
75°	18.1
77.5°	18.1
80°	18.1
82.5°	18.1
85°	18.1
87.5°	18.1
90°	18.1
92.5°	18.1
95°	18.1
97.5°	18.1
100°	18.1
102.5°	18.1
105°	18.1
107.5°	18.1
110°	18.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	17.2
115°	17.2
117.5°	17.2
120°	16.3
122.5°	16.3
125°	15.4
127.5°	15.4
130°	14.5
132.5°	14.5
135°	13.6
137.5°	13.6
140°	12.7
142.5°	11.8
145°	11.8
147.5°	10.9
150°	10.0
152.5°	9.1
155°	8.2
157.5°	8.2
160°	7.3
162.5°	6.3
165°	5.4
167.5°	4.5
170°	3.6
172.5°	2.7
175°	0.9
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	1.0	2.1	1.9	3.0	4.2	1.0	2.1	1.9	3.0	4.2
	3H	4.1	5.0	5.0	6.0	7.2	4.1	5.0	5.0	6.0	7.2
	4H	5.6	6.5	6.5	7.4	8.6	5.6	6.5	6.5	7.4	8.6
	6H	7.0	7.9	7.9	8.8	10.0	7.0	7.9	7.9	8.8	10.0
	8H	7.7	8.5	8.6	9.5	10.7	7.7	8.5	8.6	9.5	10.7
	12H	8.4	9.2	9.3	10.1	11.4	8.4	9.2	9.3	10.1	11.4
4H	2H	1.8	2.7	2.7	3.7	4.9	1.8	2.7	2.7	3.7	4.9
	3H	5.1	5.9	6.0	6.8	8.1	5.1	5.9	6.0	6.8	8.1
	4H	6.7	7.5	7.6	8.4	9.7	6.7	7.5	7.6	8.4	9.7
	6H	8.3	9.0	9.2	9.9	11.2	8.3	9.0	9.2	9.9	11.2
	8H	9.1	9.7	10.0	10.7	11.9	9.1	9.7	10.0	10.7	11.9
	12H	9.8	10.4	10.8	11.4	12.7	9.8	10.4	10.8	11.4	12.7
8H	4H	7.2	7.9	8.2	8.8	10.1	7.2	7.9	8.2	8.8	10.1
	6H	9.0	9.6	10.0	10.6	11.8	9.0	9.6	10.0	10.6	11.8
	8H	9.9	10.4	10.9	11.4	12.7	9.9	10.4	10.9	11.4	12.7
	12H	10.9	11.3	11.9	12.3	13.6	10.9	11.3	11.9	12.3	13.6
12H	4H	7.3	7.9	8.3	8.9	10.2	7.3	7.9	8.3	8.9	10.2
	6H	9.2	9.7	10.2	10.7	12.0	9.2	9.7	10.2	10.7	12.0
	8H	10.2	10.6	11.2	11.6	13.0	10.2	10.6	11.2	11.6	13.0

(END OF REPORT)