

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: P1244892

Luminaire Tested: PRLX-MIN-M-927-07L-U-OW

Issue Date: 1/30/2026

**Test Information**

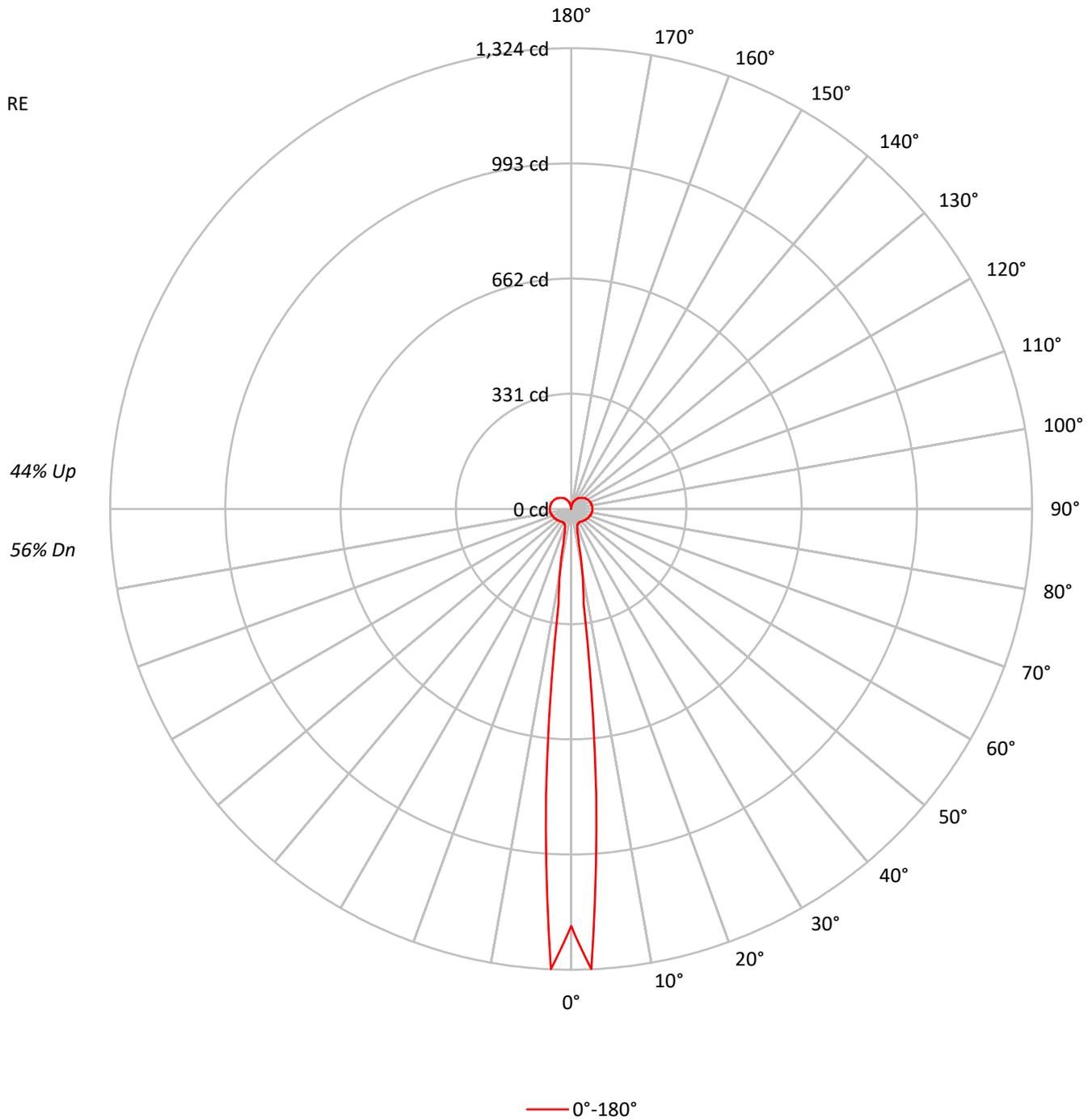
Test Method: LM-79-2019  
Report Number: P1244892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-M-927-07L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 705.0 lumens  
Efficiency: N/A  
Efficacy: 24.4 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse  
  
Input Watts (W): 28.9  
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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	84	79	88	82	78	73	70	66	63		59	56	53		48	46	44	39
2	86	76	69	62	79	71	64	58	60	55	50		50	46	42		41	38	35	31
3	78	67	58	51	71	62	54	48	52	46	41		44	39	35		36	32	29	25
4	71	59	50	43	65	55	47	41	47	40	35		39	34	30		32	28	25	22
5	66	53	44	37	60	49	41	35	42	36	31		36	31	27		29	26	22	19
6	61	48	39	33	56	45	37	31	38	32	27		33	28	24		27	23	20	17
7	57	44	35	29	52	41	33	28	35	29	25		30	25	22		25	21	19	16
8	53	40	32	27	49	38	30	25	33	27	22		28	23	20		24	20	17	15
9	50	37	29	24	46	35	28	23	31	25	21		26	22	18		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	20	17		21	18	15	13

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

	0°
0°	61399
5°	31038
10°	5562
15°	1769
20°	1109
25°	899
30°	782
35°	718
40°	696
45°	680
50°	671
55°	669
60°	670
65°	678
70°	690
75°	706
80°	718
85°	735

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 747 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.7	7.5
10°-20°	23.1	3.3
20°-30°	21.8	3.1
30°-40°	28.6	4.1
40°-50°	37.7	5.3
50°-60°	46.9	6.6
60°-70°	55.3	7.8
70°-80°	62.6	8.9
80°-90°	66.4	9.4
90°-100°	66.4	9.4
100°-110°	62.9	8.9
110°-120°	56.1	8.0
120°-130°	46.3	6.6
130°-140°	35.0	5.0
140°-150°	23.9	3.4
150°-160°	13.5	1.9
160°-170°	5.4	0.8
170°-180°	0.5	0.1
0°-30°	97.6	13.8
0°-40°	126.2	17.9
0°-60°	210.8	29.9
0°-90°	395.1	56.0
90°-120°	185.4	26.3
90°-150°	290.6	41.2
90°-180°	310.0	44.0
0°-180°	705.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1198	
5°	824	53
15°	71	23
25°	47	22
35°	45	29
45°	49	38
55°	52	47
65°	56	55
75°	59	63
85°	61	50
90°	61	33
95°	61	50
105°	59	63
115°	57	56
125°	51	46
135°	45	35
145°	38	24
155°	29	13
165°	19	5
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1198.1
2.5°	1323.6
5°	824.1
7.5°	273.2
10°	185.7
12.5°	101.7
15°	70.7
17.5°	58.4
20°	51.3
22.5°	48.6
25°	46.9
27.5°	45.1
30°	45.1
32.5°	45.1
35°	45.1
37.5°	46.0
40°	46.9
42.5°	47.7
45°	48.6
47.5°	49.5
50°	50.4
52.5°	51.3
55°	52.2
57.5°	53.1
60°	53.9
62.5°	54.8
65°	55.7
67.5°	56.6
70°	57.5
72.5°	58.4
75°	59.2
77.5°	60.1
80°	60.1
82.5°	61.0
85°	61.0
87.5°	61.0
90°	61.0
92.5°	61.0
95°	61.0
97.5°	61.0
100°	60.1
102.5°	60.1
105°	59.2
107.5°	59.2
110°	58.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	57.5
115°	56.6
117.5°	55.7
120°	53.9
122.5°	53.1
125°	51.3
127.5°	50.4
130°	48.6
132.5°	46.9
135°	45.1
137.5°	43.3
140°	41.6
142.5°	39.8
145°	38.0
147.5°	36.3
150°	33.6
152.5°	30.9
155°	29.2
157.5°	26.5
160°	23.9
162.5°	22.1
165°	18.6
167.5°	15.0
170°	10.6
172.5°	6.2
175°	1.8
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	6.0	7.0	6.9	7.9	9.1	6.0	7.0	6.9	7.9	9.1
	3H	9.0	10.0	9.9	10.9	12.1	9.0	10.0	9.9	10.9	12.1
	4H	10.5	11.4	11.4	12.3	13.6	10.5	11.4	11.4	12.3	13.6
	6H	12.0	12.8	12.9	13.8	15.0	12.0	12.8	12.9	13.8	15.0
	8H	12.7	13.5	13.6	14.5	15.7	12.7	13.5	13.6	14.5	15.7
	12H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
4H	2H	6.8	7.7	7.7	8.6	9.8	6.8	7.7	7.7	8.6	9.8
	3H	10.0	10.8	10.9	11.7	12.9	10.0	10.8	10.9	11.7	12.9
	4H	11.6	12.4	12.5	13.3	14.6	11.6	12.4	12.5	13.3	14.6
	6H	13.3	13.9	14.2	14.9	16.1	13.3	13.9	14.2	14.9	16.1
	8H	14.1	14.7	15.0	15.7	16.9	14.1	14.7	15.0	15.7	16.9
	12H	14.9	15.4	15.8	16.4	17.7	14.9	15.4	15.8	16.4	17.7
8H	4H	12.2	12.8	13.1	13.7	15.0	12.2	12.8	13.1	13.7	15.0
	6H	14.0	14.5	15.0	15.5	16.8	14.0	14.5	15.0	15.5	16.8
	8H	15.0	15.4	15.9	16.4	17.7	15.0	15.4	15.9	16.4	17.7
	12H	15.9	16.3	16.9	17.3	18.7	15.9	16.3	16.9	17.3	18.7
12H	4H	12.3	12.8	13.2	13.8	15.1	12.3	12.8	13.2	13.8	15.1
	6H	14.2	14.7	15.2	15.7	17.0	14.2	14.7	15.2	15.7	17.0
	8H	15.2	15.7	16.2	16.6	18.0	15.2	15.7	16.2	16.6	18.0

(END OF REPORT)