

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: P1245453

Luminaire Tested: PRLX-UNA-S-927-09L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-S-927-09L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

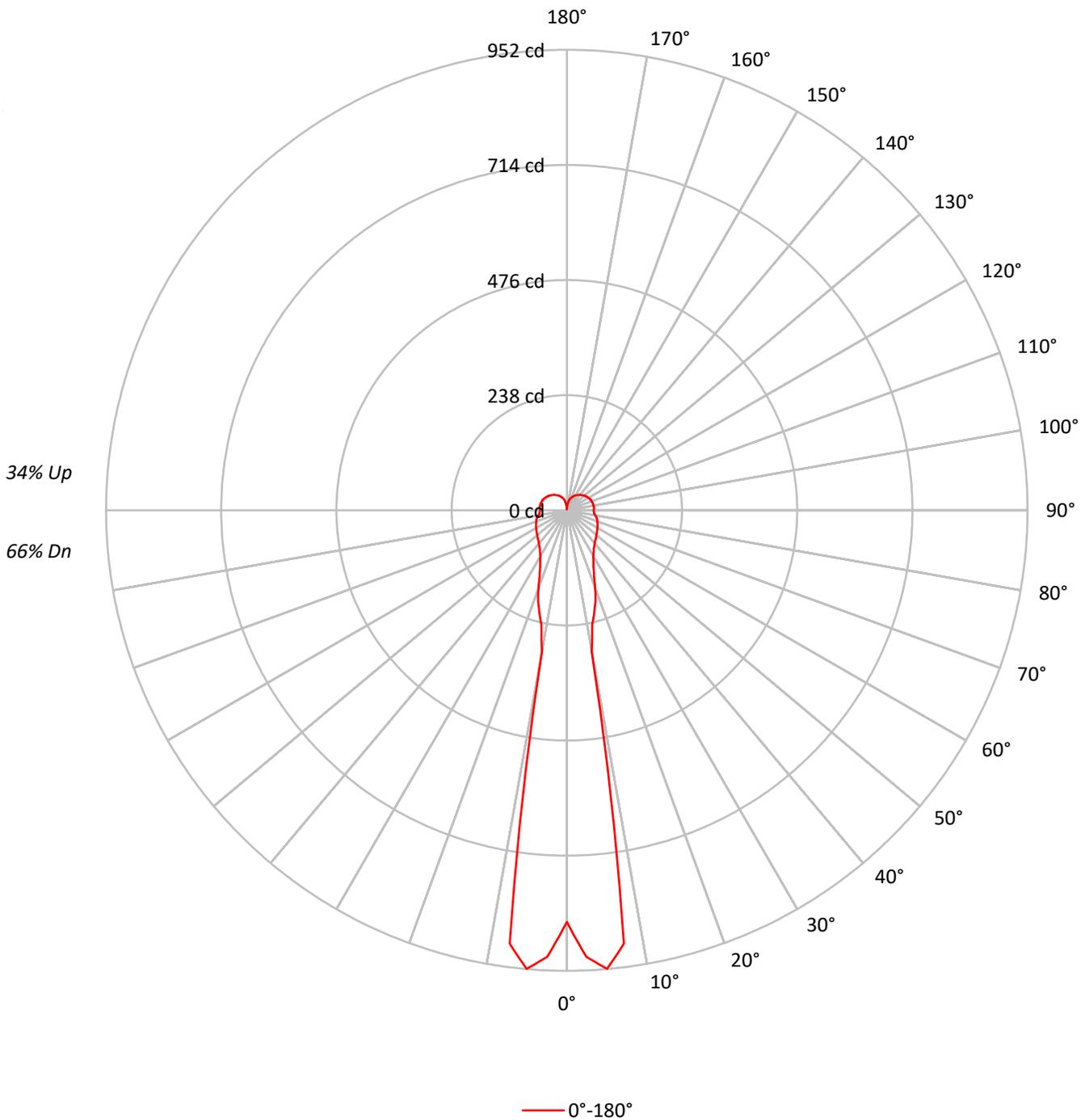
Lumens per Lamp: N/A  
Luminaire Lumens: 890.1 lumens  
Efficiency: N/A  
Efficacy: 41.8 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34  
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')  
CIE Type: Semi-Direct

Input Watts (W): 21.3  
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	111	111	111	111	105	105	105	105	92	92	92		81	81	81		71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71		68	65	63		59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58		59	55	52		52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49		53	48	44		46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43		48	43	39		42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38		44	38	34		38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34		40	35	31		36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31		37	32	28		33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28		35	30	26		31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26		33	28	24		30	26	23	21
10	51	39	32	27	48	37	30	26	34	28	24		31	26	23		28	24	21	19

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

	0°
0°	41679
5°	38674
10°	10360
15°	6757
20°	4753
25°	3318
30°	2587
35°	2164
40°	1899
45°	1718
50°	1574
55°	1466
60°	1387
65°	1320
70°	1262
75°	1215
80°	1147
85°	1115

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1718 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	8.4
10°-20°	61.6	6.9
20°-30°	61.2	6.9
30°-40°	61.4	6.9
40°-50°	65.2	7.3
50°-60°	68.4	7.7
60°-70°	69.4	7.8
70°-80°	67.6	7.6
80°-90°	61.9	7.0
90°-100°	61.2	6.9
100°-110°	58.6	6.6
110°-120°	53.0	6.0
120°-130°	44.4	5.0
130°-140°	34.4	3.9
140°-150°	24.2	2.7
150°-160°	14.8	1.7
160°-170°	6.8	0.8
170°-180°	1.1	0.1
0°-30°	197.6	22.2
0°-40°	259.0	29.1
0°-60°	392.6	44.1
0°-90°	591.5	66.5
90°-120°	172.8	19.4
90°-150°	275.9	31.0
90°-180°	299.0	33.6
0°-180°	890.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	851	
5°	952	75
15°	219	62
25°	130	61
35°	97	61
45°	84	65
55°	76	68
65°	70	69
75°	64	68
85°	56	47
90°	56	31
95°	56	46
105°	56	59
115°	53	53
125°	50	44
135°	44	34
145°	38	24
155°	32	15
165°	24	7
175°	9	1
180°	2	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	850.8
2.5°	923.7
5°	951.6
7.5°	903.4
10°	296.4
12.5°	242.2
15°	218.9
17.5°	197.1
20°	170.8
22.5°	146.7
25°	130.1
27.5°	118.9
30°	109.1
32.5°	103.1
35°	97.0
37.5°	93.3
40°	89.5
42.5°	86.5
45°	84.3
47.5°	82.0
50°	79.7
52.5°	78.2
55°	76.0
57.5°	74.5
60°	73.0
62.5°	71.5
65°	70.0
67.5°	68.5
70°	66.9
72.5°	66.2
75°	63.9
77.5°	62.4
80°	59.4
82.5°	57.2
85°	56.4
87.5°	55.7
90°	55.7
92.5°	55.7
95°	56.4
97.5°	56.4
100°	55.7
102.5°	55.7
105°	55.7
107.5°	54.9
110°	54.9

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	54.2
115°	53.4
117.5°	52.7
120°	51.9
122.5°	50.4
125°	49.6
127.5°	48.1
130°	47.4
132.5°	45.9
135°	44.4
137.5°	42.9
140°	41.4
142.5°	39.9
145°	38.4
147.5°	36.9
150°	35.4
152.5°	33.9
155°	31.6
157.5°	30.1
160°	27.8
162.5°	26.3
165°	24.1
167.5°	21.1
170°	17.3
172.5°	13.5
175°	9.0
177.5°	4.5
180°	2.3



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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	9.4	10.4	10.2	11.3	12.3	9.4	10.4	10.2	11.3	12.3
	3H	11.8	12.8	12.6	13.6	14.7	11.8	12.8	12.6	13.6	14.7
	4H	13.0	13.9	13.8	14.7	15.8	13.0	13.9	13.8	14.7	15.8
	6H	14.1	15.0	14.9	15.8	16.9	14.1	15.0	14.9	15.8	16.9
	8H	14.6	15.4	15.4	16.3	17.4	14.6	15.4	15.4	16.3	17.4
	12H	15.1	15.9	15.9	16.7	17.8	15.1	15.9	15.9	16.7	17.8
4H	2H	10.0	10.9	10.8	11.8	12.8	10.0	10.9	10.8	11.8	12.8
	3H	12.6	13.5	13.5	14.3	15.4	12.6	13.5	13.5	14.3	15.4
	4H	14.0	14.7	14.8	15.6	16.7	14.0	14.7	14.8	15.6	16.7
	6H	15.2	15.9	16.1	16.8	17.9	15.2	15.9	16.1	16.8	17.9
	8H	15.8	16.5	16.7	17.3	18.5	15.8	16.5	16.7	17.3	18.5
	12H	16.4	17.0	17.3	17.9	19.0	16.4	17.0	17.3	17.9	19.0
8H	4H	14.4	15.0	15.3	15.9	17.0	14.4	15.0	15.3	15.9	17.0
	6H	15.9	16.4	16.7	17.3	18.4	15.9	16.4	16.7	17.3	18.4
	8H	16.6	17.1	17.5	18.0	19.1	16.6	17.1	17.5	18.0	19.1
	12H	17.3	17.8	18.3	18.7	19.9	17.3	17.8	18.3	18.7	19.9
12H	4H	14.5	15.0	15.3	15.9	17.1	14.5	15.0	15.3	15.9	17.1
	6H	16.0	16.5	16.9	17.4	18.5	16.0	16.5	16.9	17.4	18.5
	8H	16.8	17.2	17.7	18.1	19.3	16.8	17.2	17.7	18.1	19.3

(END OF REPORT)