

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: P1245480

Luminaire Tested: PRLX-UNA-S-935-07L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245480  
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-935-07L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

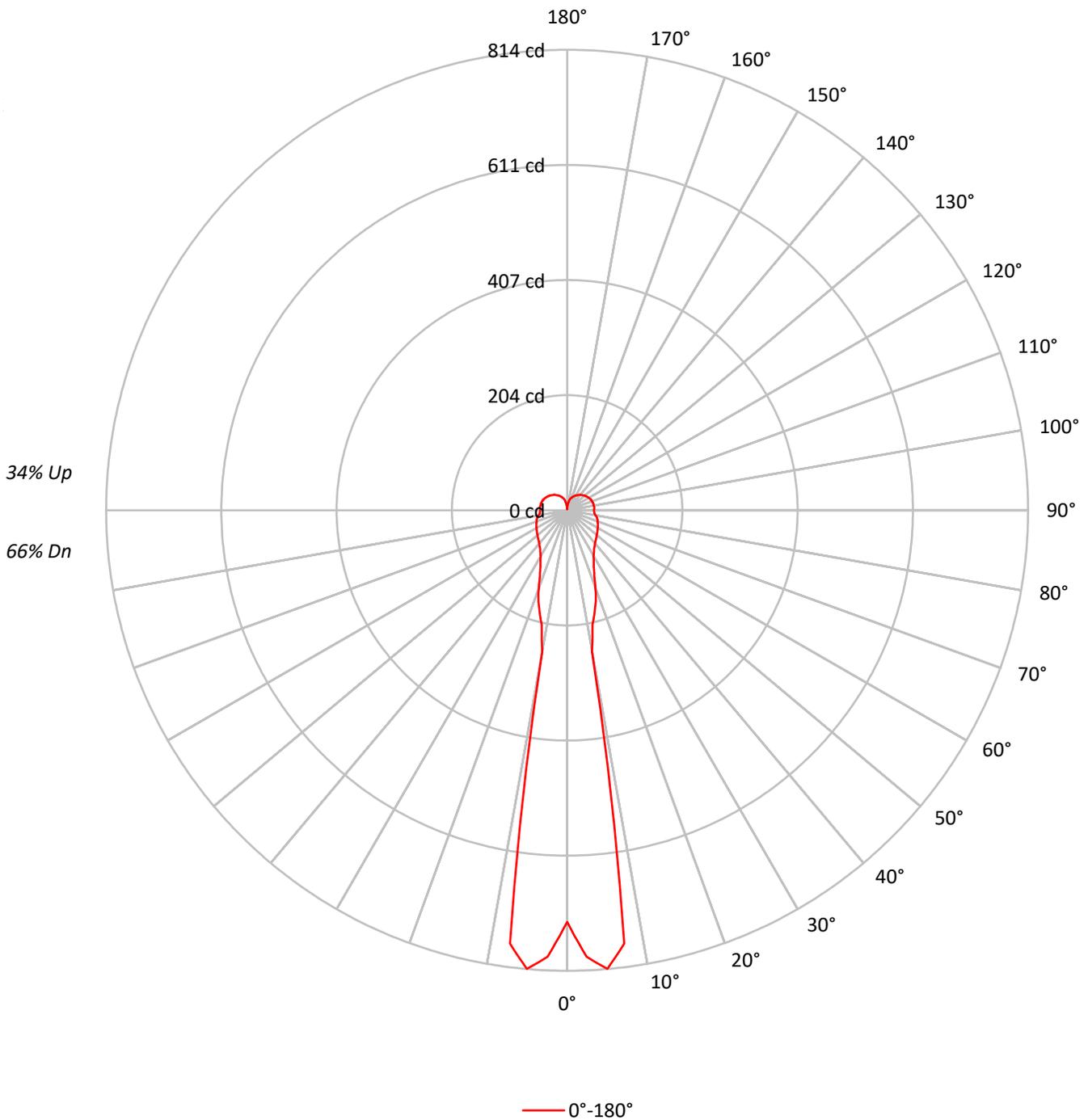
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 761.0 lumens  
Efficiency: N/A  
Efficacy: 47.0 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): 16.2  
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	31	26	34	28	24		31	26	23		28	24	21	19

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

	0°
0°	35639
5°	33070
10°	8857
15°	5778
20°	4063
25°	2839
30°	2212
35°	1852
40°	1623
45°	1467
50°	1346
55°	1254
60°	1186
65°	1128
70°	1079
75°	1040
80°	981
85°	953

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1467 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.0	8.4
10°-20°	52.7	6.9
20°-30°	52.3	6.9
30°-40°	52.5	6.9
40°-50°	55.8	7.3
50°-60°	58.5	7.7
60°-70°	59.3	7.8
70°-80°	57.8	7.6
80°-90°	52.9	6.9
90°-100°	52.3	6.9
100°-110°	50.1	6.6
110°-120°	45.4	6.0
120°-130°	38.0	5.0
130°-140°	29.4	3.9
140°-150°	20.7	2.7
150°-160°	12.7	1.7
160°-170°	5.8	0.8
170°-180°	1.0	0.1
0°-30°	168.9	22.2
0°-40°	221.5	29.1
0°-60°	335.7	44.1
0°-90°	505.7	66.5
90°-120°	147.7	19.4
90°-150°	235.8	31.0
90°-180°	255.0	33.5
0°-180°	761.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	728	
5°	814	64
15°	187	53
25°	111	52
35°	83	53
45°	72	56
55°	65	58
65°	60	59
75°	55	58
85°	48	40
90°	48	26
95°	48	39
105°	48	50
115°	46	45
125°	42	38
135°	38	29
145°	33	21
155°	27	13
165°	21	6
175°	8	1
180°	2	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	727.5
2.5°	789.9
5°	813.7
7.5°	772.5
10°	253.4
12.5°	207.1
15°	187.2
17.5°	168.5
20°	146.0
22.5°	125.4
25°	111.3
27.5°	101.6
30°	93.3
32.5°	88.1
35°	83.0
37.5°	79.8
40°	76.5
42.5°	74.0
45°	72.0
47.5°	70.1
50°	68.2
52.5°	66.9
55°	65.0
57.5°	63.7
60°	62.4
62.5°	61.1
65°	59.8
67.5°	58.5
70°	57.2
72.5°	56.6
75°	54.7
77.5°	53.4
80°	50.8
82.5°	48.9
85°	48.2
87.5°	47.6
90°	47.6
92.5°	47.6
95°	48.2
97.5°	48.2
100°	47.6
102.5°	47.6
105°	47.6
107.5°	47.0
110°	47.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	46.3
115°	45.7
117.5°	45.0
120°	44.4
122.5°	43.1
125°	42.5
127.5°	41.2
130°	40.5
132.5°	39.2
135°	37.9
137.5°	36.7
140°	35.4
142.5°	34.1
145°	32.8
147.5°	31.5
150°	30.2
152.5°	28.9
155°	27.0
157.5°	25.7
160°	23.8
162.5°	22.5
165°	20.6
167.5°	18.0
170°	14.8
172.5°	11.6
175°	7.7
177.5°	3.9
180°	1.9



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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	8.8	9.9	9.6	10.7	11.7	8.8	9.9	9.6	10.7	11.7
	3H	11.3	12.2	12.1	13.1	14.1	11.3	12.2	12.1	13.1	14.1
	4H	12.4	13.4	13.2	14.2	15.3	12.4	13.4	13.2	14.2	15.3
	6H	13.5	14.4	14.4	15.3	16.3	13.5	14.4	14.4	15.3	16.3
	8H	14.0	14.9	14.9	15.7	16.8	14.0	14.9	14.9	15.7	16.8
	12H	14.5	15.3	15.4	16.2	17.3	14.5	15.3	15.4	16.2	17.3
4H	2H	9.4	10.4	10.3	11.2	12.3	9.4	10.4	10.3	11.2	12.3
	3H	12.1	12.9	12.9	13.8	14.8	12.1	12.9	12.9	13.8	14.8
	4H	13.4	14.2	14.3	15.0	16.1	13.4	14.2	14.3	15.0	16.1
	6H	14.7	15.4	15.6	16.3	17.3	14.7	15.4	15.6	16.3	17.3
	8H	15.3	15.9	16.2	16.8	17.9	15.3	15.9	16.2	16.8	17.9
	12H	15.9	16.5	16.8	17.4	18.5	15.9	16.5	16.8	17.4	18.5
8H	4H	13.8	14.5	14.7	15.4	16.5	13.8	14.5	14.7	15.4	16.5
	6H	15.3	15.8	16.2	16.8	17.9	15.3	15.8	16.2	16.8	17.9
	8H	16.0	16.5	16.9	17.4	18.6	16.0	16.5	16.9	17.4	18.6
	12H	16.8	17.2	17.7	18.1	19.3	16.8	17.2	17.7	18.1	19.3
12H	4H	13.9	14.5	14.8	15.4	16.5	13.9	14.5	14.8	15.4	16.5
	6H	15.5	15.9	16.4	16.8	18.0	15.5	15.9	16.4	16.8	18.0
	8H	16.3	16.7	17.2	17.6	18.8	16.3	16.7	17.2	17.6	18.8

(END OF REPORT)