

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: P1245473

Luminaire Tested: PRLX-UNA-S-935-02L-U-NL

Issue Date: 1/30/2026

**Test Information**

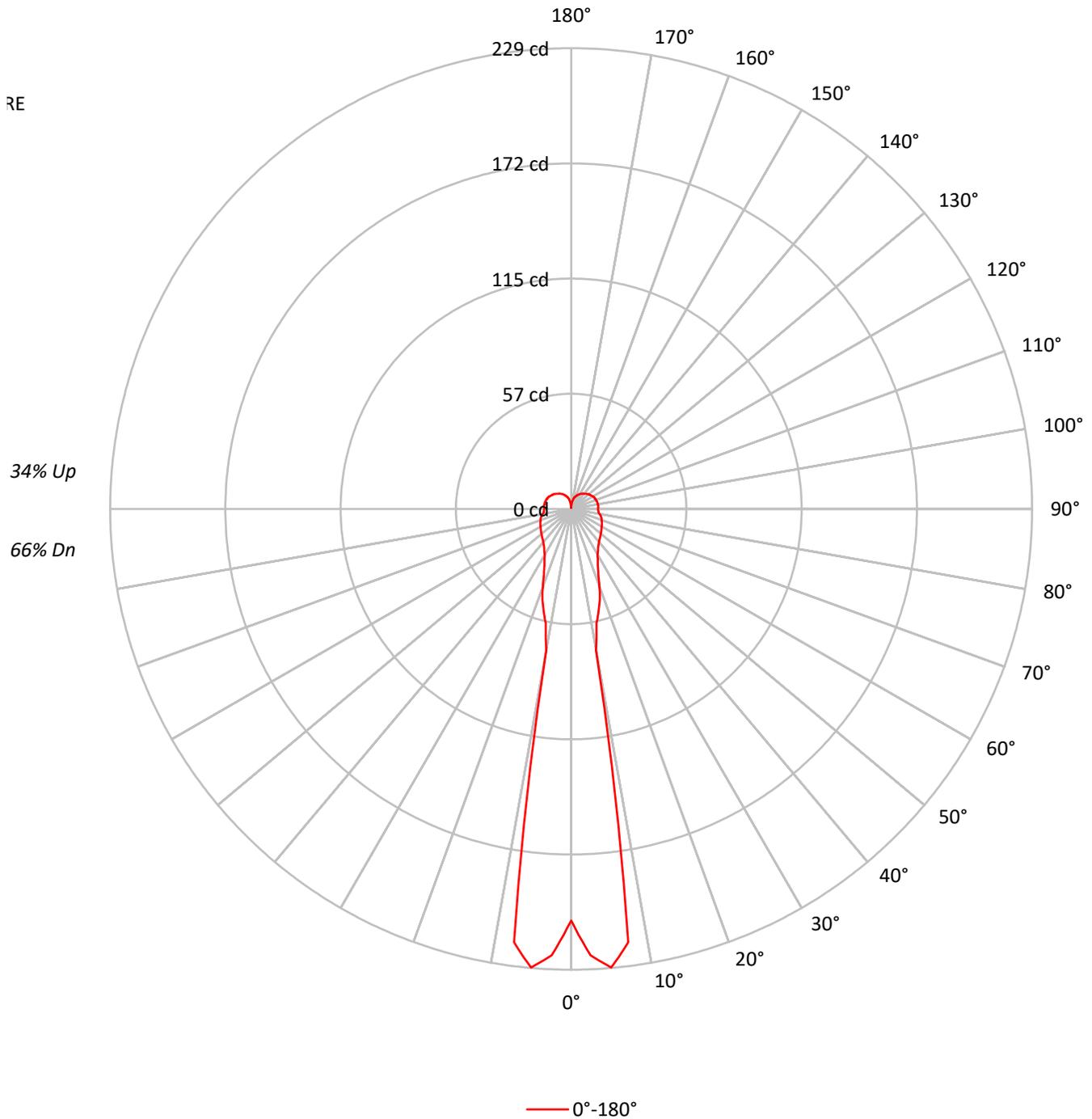
Test Method: LM-79-2019  
Report Number: P1245473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-S-935-02L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 214.0 lumens  
Efficiency: N/A  
Efficacy: 34.0 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): 6.3  
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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### 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°	10023
5°	9299
10°	2492
15°	1624
20°	1144
25°	798
30°	621
35°	520
40°	456
45°	414
50°	379
55°	353
60°	332
65°	317
70°	304
75°	293
80°	276
85°	269

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.0	8.4
10°-20°	14.8	6.9
20°-30°	14.7	6.9
30°-40°	14.8	6.9
40°-50°	15.7	7.3
50°-60°	16.4	7.7
60°-70°	16.7	7.8
70°-80°	16.3	7.6
80°-90°	14.9	7.0
90°-100°	14.7	6.9
100°-110°	14.1	6.6
110°-120°	12.7	6.0
120°-130°	10.7	5.0
130°-140°	8.3	3.9
140°-150°	5.8	2.7
150°-160°	3.6	1.7
160°-170°	1.6	0.8
170°-180°	0.3	0.1
0°-30°	47.5	22.2
0°-40°	62.3	29.1
0°-60°	94.4	44.1
0°-90°	142.2	66.5
90°-120°	41.6	19.4
90°-150°	66.3	31.0
90°-180°	72.0	33.6
0°-180°	214.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	205	
5°	229	18
15°	53	15
25°	31	15
35°	23	15
45°	20	16
55°	18	16
65°	17	17
75°	15	16
85°	14	11
90°	13	7
95°	14	11
105°	13	14
115°	13	13
125°	12	11
135°	11	8
145°	9	6
155°	8	4
165°	6	2
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	204.6
2.5°	222.1
5°	228.8
7.5°	217.2
10°	71.3
12.5°	58.2
15°	52.6
17.5°	47.4
20°	41.1
22.5°	35.3
25°	31.3
27.5°	28.6
30°	26.2
32.5°	24.8
35°	23.3
37.5°	22.4
40°	21.5
42.5°	20.8
45°	20.3
47.5°	19.7
50°	19.2
52.5°	18.8
55°	18.3
57.5°	17.9
60°	17.5
62.5°	17.2
65°	16.8
67.5°	16.5
70°	16.1
72.5°	15.9
75°	15.4
77.5°	15.0
80°	14.3
82.5°	13.7
85°	13.6
87.5°	13.4
90°	13.4
92.5°	13.4
95°	13.6
97.5°	13.6
100°	13.4
102.5°	13.4
105°	13.4
107.5°	13.2
110°	13.2

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	13.0
115°	12.8
117.5°	12.7
120°	12.5
122.5°	12.1
125°	11.9
127.5°	11.6
130°	11.4
132.5°	11.0
135°	10.7
137.5°	10.3
140°	9.9
142.5°	9.6
145°	9.2
147.5°	8.9
150°	8.5
152.5°	8.1
155°	7.6
157.5°	7.2
160°	6.7
162.5°	6.3
165°	5.8
167.5°	5.1
170°	4.2
172.5°	3.3
175°	2.2
177.5°	1.1
180°	0.5



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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	4.4	5.5	5.2	6.3	7.3	4.4	5.5	5.2	6.3	7.3
	3H	6.9	7.8	7.7	8.7	9.7	6.9	7.8	7.7	8.7	9.7
	4H	8.0	9.0	8.8	9.8	10.8	8.0	9.0	8.8	9.8	10.8
	6H	9.1	10.0	10.0	10.9	11.9	9.1	10.0	10.0	10.9	11.9
	8H	9.6	10.5	10.5	11.3	12.4	9.6	10.5	10.5	11.3	12.4
	12H	10.1	10.9	11.0	11.8	12.9	10.1	10.9	11.0	11.8	12.9
4H	2H	5.0	6.0	5.8	6.8	7.9	5.0	6.0	5.8	6.8	7.9
	3H	7.7	8.5	8.5	9.4	10.4	7.7	8.5	8.5	9.4	10.4
	4H	9.0	9.8	9.9	10.6	11.7	9.0	9.8	9.9	10.6	11.7
	6H	10.3	11.0	11.2	11.8	12.9	10.3	11.0	11.2	11.8	12.9
	8H	10.9	11.5	11.7	12.4	13.5	10.9	11.5	11.7	12.4	13.5
	12H	11.5	12.1	12.4	13.0	14.1	11.5	12.1	12.4	13.0	14.1
8H	4H	9.4	10.1	10.3	11.0	12.1	9.4	10.1	10.3	11.0	12.1
	6H	10.9	11.4	11.8	12.4	13.5	10.9	11.4	11.8	12.4	13.5
	8H	11.6	12.1	12.5	13.0	14.2	11.6	12.1	12.5	13.0	14.2
	12H	12.4	12.8	13.3	13.7	14.9	12.4	12.8	13.3	13.7	14.9
12H	4H	9.5	10.1	10.4	11.0	12.1	9.5	10.1	10.4	11.0	12.1
	6H	11.0	11.5	11.9	12.4	13.6	11.0	11.5	11.9	12.4	13.6
	8H	11.8	12.3	12.7	13.2	14.4	11.8	12.3	12.7	13.2	14.4

(END OF REPORT)