

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: P1245424

Luminaire Tested: PRLX-UNA-M-935-06L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-935-06L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

**Summary**

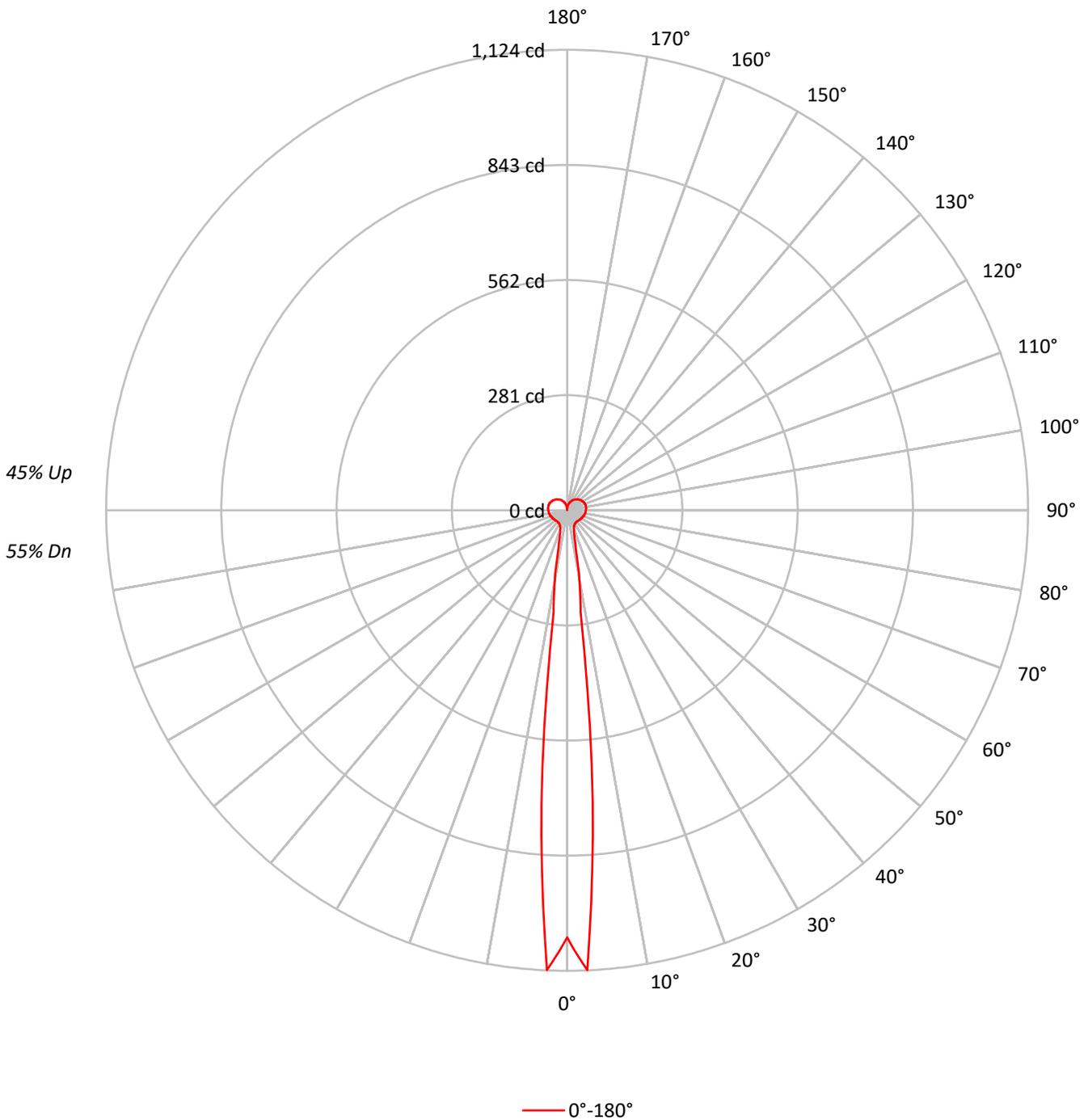
Lumens per Lamp: N/A  
Luminaire Lumens: 559.0 lumens  
Efficiency: N/A  
Efficacy: 26.2 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 21.3  
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

TEST NUMBER: P1245424

CATALOG NUMBER: PRLX-UNA-M-935-06L-U-PS

### Luminous Intensity Polar Plot





TEST NUMBER: P1245424

CATALOG NUMBER: PRLX-UNA-M-935-06L-U-PS

**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	55
1	95	90	84	79	88	83	78	74	70	67	64		59	56	54		48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51		51	47	43		42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43		45	40	36		37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37		40	35	32		33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32		37	32	28		31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29		34	29	25		28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26		31	27	23		27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24		29	25	21		25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22		28	23	20		24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21		26	22	19		23	19	17	15

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

	0°
0°	53436
5°	27045
10°	5193
15°	1744
20°	1042
25°	795
30°	655
35°	591
40°	539
45°	519
50°	504
55°	493
60°	497
65°	496
70°	506
75°	521
80°	531
85°	545

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 562 cd/sqm

TEST NUMBER: P1245424

CATALOG NUMBER: PRLX-UNA-M-935-06L-U-PS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	8.3
10°-20°	22.2	4.0
20°-30°	19.3	3.4
30°-40°	23.2	4.1
40°-50°	28.6	5.1
50°-60°	34.7	6.2
60°-70°	40.6	7.3
70°-80°	46.0	8.2
80°-90°	49.3	8.8
90°-100°	50.6	9.1
100°-110°	49.3	8.8
110°-120°	44.8	8.0
120°-130°	37.7	6.7
130°-140°	29.1	5.2
140°-150°	20.1	3.6
150°-160°	11.7	2.1
160°-170°	5.0	0.9
170°-180°	0.7	0.1
0°-30°	87.8	15.7
0°-40°	110.9	19.8
0°-60°	174.2	31.2
0°-90°	310.0	55.5
90°-120°	144.7	25.9
90°-150°	231.6	41.4
90°-180°	249.0	44.5
0°-180°	559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1043	
5°	718	46
15°	70	22
25°	42	19
35°	37	23
45°	37	29
55°	38	35
65°	41	41
75°	44	46
85°	45	37
90°	46	25
95°	47	38
105°	47	49
115°	45	45
125°	42	38
135°	38	29
145°	32	20
155°	25	12
165°	17	5
175°	5	1
180°	1	

TEST NUMBER: P1245424

CATALOG NUMBER: PRLX-UNA-M-935-06L-U-PS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1042.7
2.5°	1123.5
5°	718.1
7.5°	250.5
10°	173.4
12.5°	99.3
15°	69.7
17.5°	56.3
20°	48.2
22.5°	43.7
25°	41.5
27.5°	39.3
30°	37.8
32.5°	37.1
35°	37.1
37.5°	36.3
40°	36.3
42.5°	36.3
45°	37.1
47.5°	37.1
50°	37.8
52.5°	37.8
55°	38.5
57.5°	39.3
60°	40.0
62.5°	40.0
65°	40.8
67.5°	41.5
70°	42.2
72.5°	43.0
75°	43.7
77.5°	43.7
80°	44.5
82.5°	45.2
85°	45.2
87.5°	45.2
90°	45.9
92.5°	45.9
95°	46.7
97.5°	46.7
100°	46.7
102.5°	46.7
105°	46.7
107.5°	46.7
110°	45.9



TEST NUMBER: P1245424

CATALOG NUMBER: PRLX-UNA-M-935-06L-U-PS

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	45.9
115°	45.2
117.5°	44.5
120°	43.7
122.5°	43.0
125°	42.2
127.5°	40.8
130°	40.0
132.5°	38.5
135°	37.8
137.5°	36.3
140°	34.8
142.5°	33.3
145°	31.9
147.5°	30.4
150°	28.9
152.5°	26.7
155°	25.2
157.5°	23.0
160°	21.5
162.5°	19.3
165°	17.0
167.5°	14.8
170°	12.6
172.5°	8.9
175°	5.2
177.5°	2.2
180°	0.7



TEST NUMBER: P1245424

CATALOG NUMBER: PRLX-UNA-M-935-06L-U-PS

**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	4.7	5.7	5.6	6.6	7.8	4.7	5.7	5.6	6.6	7.8
	3H	7.7	8.6	8.6	9.6	10.8	7.7	8.6	8.6	9.6	10.8
	4H	9.2	10.1	10.1	11.0	12.2	9.2	10.1	10.1	11.0	12.2
	6H	10.7	11.5	11.6	12.4	13.7	10.7	11.5	11.6	12.4	13.7
	8H	11.4	12.2	12.3	13.1	14.4	11.4	12.2	12.3	13.1	14.4
	12H	12.1	12.8	13.0	13.8	15.0	12.1	12.8	13.0	13.8	15.0
4H	2H	5.5	6.3	6.4	7.3	8.5	5.5	6.3	6.4	7.3	8.5
	3H	8.7	9.4	9.6	10.4	11.6	8.7	9.4	9.6	10.4	11.6
	4H	10.3	11.0	11.2	12.0	13.2	10.3	11.0	11.2	12.0	13.2
	6H	11.9	12.6	12.9	13.6	14.8	11.9	12.6	12.9	13.6	14.8
	8H	12.8	13.4	13.7	14.3	15.6	12.8	13.4	13.7	14.3	15.6
	12H	13.6	14.1	14.5	15.1	16.4	13.6	14.1	14.5	15.1	16.4
8H	4H	10.8	11.4	11.8	12.4	13.7	10.8	11.4	11.8	12.4	13.7
	6H	12.7	13.2	13.6	14.2	15.5	12.7	13.2	13.6	14.2	15.5
	8H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4
	12H	14.6	15.0	15.6	16.0	17.3	14.6	15.0	15.6	16.0	17.3
12H	4H	10.9	11.5	11.9	12.5	13.8	10.9	11.5	11.9	12.5	13.8
	6H	12.9	13.3	13.9	14.3	15.6	12.9	13.3	13.9	14.3	15.6
	8H	13.9	14.3	14.9	15.3	16.6	13.9	14.3	14.9	15.3	16.6

(END OF REPORT)