

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: P1245421

Luminaire Tested: PRLX-UNA-M-935-04L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245421
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-935-04L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

Summary

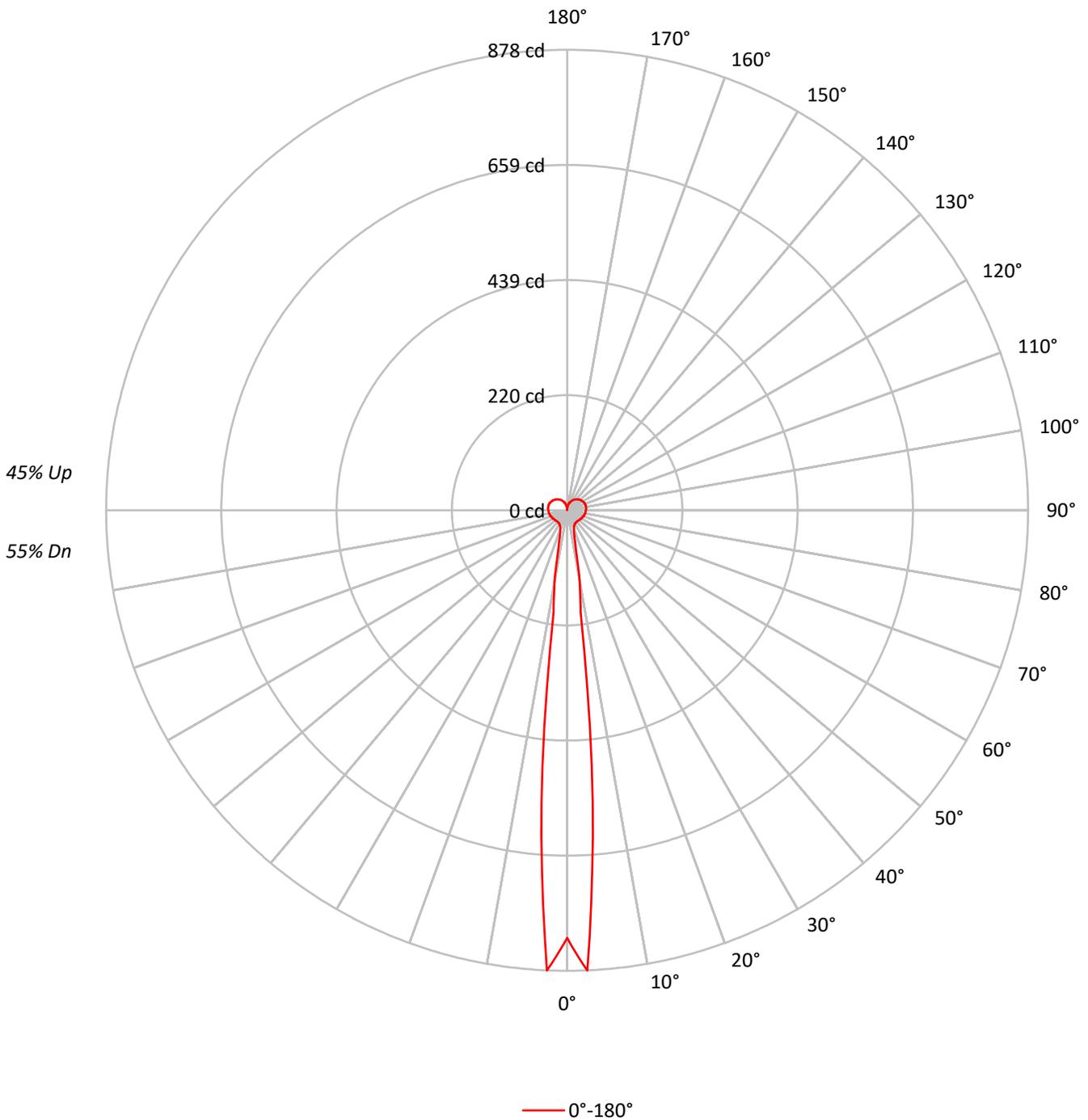
Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 27.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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

TEST NUMBER: P1245421

CATALOG NUMBER: PRLX-UNA-M-935-04L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1245421

CATALOG NUMBER: PRLX-UNA-M-935-04L-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°	41777
5°	21144
10°	4061
15°	1364
20°	815
25°	621
30°	511
35°	462
40°	421
45°	406
50°	393
55°	386
60°	389
65°	388
70°	396
75°	408
80°	415
85°	425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 440 cd/sqm

TEST NUMBER: P1245421

CATALOG NUMBER: PRLX-UNA-M-935-04L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	8.3
10°-20°	17.4	4.0
20°-30°	15.0	3.4
30°-40°	18.1	4.1
40°-50°	22.3	5.1
50°-60°	27.1	6.2
60°-70°	31.7	7.3
70°-80°	35.9	8.2
80°-90°	38.5	8.8
90°-100°	39.6	9.1
100°-110°	38.5	8.8
110°-120°	35.0	8.0
120°-130°	29.5	6.7
130°-140°	22.7	5.2
140°-150°	15.7	3.6
150°-160°	9.1	2.1
160°-170°	3.9	0.9
170°-180°	0.6	0.1
0°-30°	68.6	15.7
0°-40°	86.7	19.8
0°-60°	136.1	31.2
0°-90°	242.3	55.5
90°-120°	113.1	25.9
90°-150°	181.0	41.4
90°-180°	195.0	44.6
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	815	
5°	561	36
15°	54	17
25°	32	15
35°	29	18
45°	29	22
55°	30	27
65°	32	32
75°	34	36
85°	35	29
90°	36	20
95°	36	30
105°	36	39
115°	35	35
125°	33	29
135°	30	23
145°	25	16
155°	20	9
165°	13	4
175°	4	1
180°	1	

TEST NUMBER: P1245421

CATALOG NUMBER: PRLX-UNA-M-935-04L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	815.2
2.5°	878.3
5°	561.4
7.5°	195.8
10°	135.6
12.5°	77.6
15°	54.5
17.5°	44.0
20°	37.7
22.5°	34.2
25°	32.4
27.5°	30.7
30°	29.5
32.5°	29.0
35°	29.0
37.5°	28.4
40°	28.4
42.5°	28.4
45°	29.0
47.5°	29.0
50°	29.5
52.5°	29.5
55°	30.1
57.5°	30.7
60°	31.3
62.5°	31.3
65°	31.9
67.5°	32.4
70°	33.0
72.5°	33.6
75°	34.2
77.5°	34.2
80°	34.8
82.5°	35.3
85°	35.3
87.5°	35.3
90°	35.9
92.5°	35.9
95°	36.5
97.5°	36.5
100°	36.5
102.5°	36.5
105°	36.5
107.5°	36.5
110°	35.9



TEST NUMBER: P1245421

CATALOG NUMBER: PRLX-UNA-M-935-04L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.9
115°	35.3
117.5°	34.8
120°	34.2
122.5°	33.6
125°	33.0
127.5°	31.9
130°	31.3
132.5°	30.1
135°	29.5
137.5°	28.4
140°	27.2
142.5°	26.1
145°	24.9
147.5°	23.8
150°	22.6
152.5°	20.9
155°	19.7
157.5°	18.0
160°	16.8
162.5°	15.1
165°	13.3
167.5°	11.6
170°	9.8
172.5°	7.0
175°	4.1
177.5°	1.7
180°	0.6



TEST NUMBER: P1245421

CATALOG NUMBER: PRLX-UNA-M-935-04L-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	3.9	4.9	4.8	5.8	7.0	3.9	4.9	4.8	5.8	7.0
	3H	6.9	7.8	7.8	8.7	9.9	6.9	7.8	7.8	8.7	9.9
	4H	8.3	9.2	9.3	10.2	11.4	8.3	9.2	9.3	10.2	11.4
	6H	9.8	10.6	10.7	11.6	12.8	9.8	10.6	10.7	11.6	12.8
	8H	10.5	11.3	11.5	12.3	13.5	10.5	11.3	11.5	12.3	13.5
	12H	11.2	12.0	12.2	12.9	14.2	11.2	12.0	12.2	12.9	14.2
4H	2H	4.6	5.5	5.5	6.4	7.6	4.6	5.5	5.5	6.4	7.6
	3H	7.8	8.6	8.7	9.5	10.8	7.8	8.6	8.7	9.5	10.8
	4H	9.5	10.2	10.4	11.1	12.4	9.5	10.2	10.4	11.1	12.4
	6H	11.1	11.7	12.0	12.7	14.0	11.1	11.7	12.0	12.7	14.0
	8H	11.9	12.5	12.8	13.5	14.7	11.9	12.5	12.8	13.5	14.7
	12H	12.7	13.2	13.7	14.2	15.5	12.7	13.2	13.7	14.2	15.5
8H	4H	10.0	10.6	10.9	11.6	12.8	10.0	10.6	10.9	11.6	12.8
	6H	11.8	12.3	12.8	13.4	14.6	11.8	12.3	12.8	13.4	14.6
	8H	12.8	13.2	13.8	14.2	15.5	12.8	13.2	13.8	14.2	15.5
	12H	13.8	14.2	14.7	15.2	16.5	13.8	14.2	14.7	15.2	16.5
12H	4H	10.1	10.6	11.1	11.6	12.9	10.1	10.6	11.1	11.6	12.9
	6H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	8H	13.1	13.5	14.0	14.5	15.8	13.1	13.5	14.0	14.5	15.8

(END OF REPORT)