

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: P1245419

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245419
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

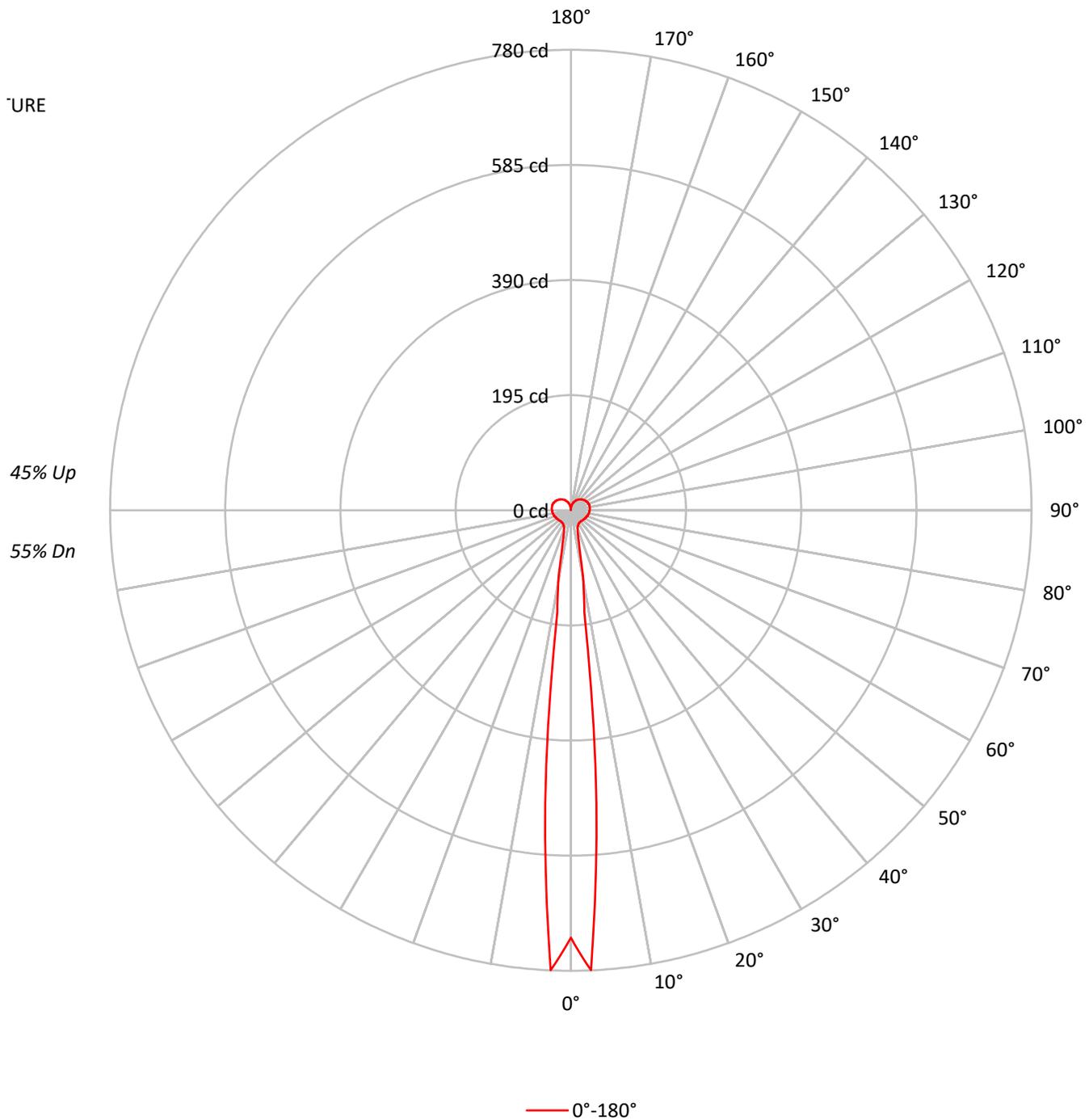
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 387.9 lumens
Efficiency: N/A
Efficacy: 23.9 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 (A_{in}): 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	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°	37093
5°	18771
10°	3606
15°	1211
20°	722
25°	552
30°	454
35°	409
40°	374
45°	359
50°	349
55°	342
60°	346
65°	344
70°	351
75°	361
80°	369
85°	378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 391 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	8.3
10°-20°	15.4	4.0
20°-30°	13.4	3.4
30°-40°	16.1	4.1
40°-50°	19.8	5.1
50°-60°	24.1	6.2
60°-70°	28.2	7.3
70°-80°	31.9	8.2
80°-90°	34.3	8.8
90°-100°	35.1	9.1
100°-110°	34.2	8.8
110°-120°	31.1	8.0
120°-130°	26.1	6.7
130°-140°	20.2	5.2
140°-150°	13.9	3.6
150°-160°	8.1	2.1
160°-170°	3.4	0.9
170°-180°	0.5	0.1
0°-30°	60.9	15.7
0°-40°	77.0	19.8
0°-60°	120.8	31.2
0°-90°	215.1	55.5
90°-120°	100.5	25.9
90°-150°	160.7	41.4
90°-180°	173.0	44.6
0°-180°	387.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	724	
5°	498	32
15°	48	15
25°	29	13
35°	26	16
45°	26	20
55°	27	24
65°	28	28
75°	30	32
85°	31	26
90°	32	17
95°	32	26
105°	32	34
115°	31	31
125°	29	26
135°	26	20
145°	22	14
155°	18	8
165°	12	3
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	723.8
2.5°	779.8
5°	498.4
7.5°	173.9
10°	120.4
12.5°	68.9
15°	48.4
17.5°	39.1
20°	33.4
22.5°	30.3
25°	28.8
27.5°	27.3
30°	26.2
32.5°	25.7
35°	25.7
37.5°	25.2
40°	25.2
42.5°	25.2
45°	25.7
47.5°	25.7
50°	26.2
52.5°	26.2
55°	26.7
57.5°	27.3
60°	27.8
62.5°	27.8
65°	28.3
67.5°	28.8
70°	29.3
72.5°	29.8
75°	30.3
77.5°	30.3
80°	30.9
82.5°	31.4
85°	31.4
87.5°	31.4
90°	31.9
92.5°	31.9
95°	32.4
97.5°	32.4
100°	32.4
102.5°	32.4
105°	32.4
107.5°	32.4
110°	31.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	31.9
115°	31.4
117.5°	30.9
120°	30.3
122.5°	29.8
125°	29.3
127.5°	28.3
130°	27.8
132.5°	26.7
135°	26.2
137.5°	25.2
140°	24.2
142.5°	23.1
145°	22.1
147.5°	21.1
150°	20.1
152.5°	18.5
155°	17.5
157.5°	15.9
160°	14.9
162.5°	13.4
165°	11.8
167.5°	10.3
170°	8.7
172.5°	6.2
175°	3.6
177.5°	1.5
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	3.5	4.5	4.3	5.4	6.6	3.5	4.5	4.3	5.4	6.6
	3H	6.4	7.4	7.3	8.3	9.5	6.4	7.4	7.3	8.3	9.5
	4H	7.9	8.8	8.8	9.8	11.0	7.9	8.8	8.8	9.8	11.0
	6H	9.4	10.2	10.3	11.2	12.4	9.4	10.2	10.3	11.2	12.4
	8H	10.1	10.9	11.0	11.9	13.1	10.1	10.9	11.0	11.9	13.1
	12H	10.8	11.6	11.8	12.5	13.8	10.8	11.6	11.8	12.5	13.8
4H	2H	4.2	5.1	5.1	6.0	7.2	4.2	5.1	5.1	6.0	7.2
	3H	7.4	8.2	8.3	9.1	10.4	7.4	8.2	8.3	9.1	10.4
	4H	9.0	9.7	10.0	10.7	12.0	9.0	9.7	10.0	10.7	12.0
	6H	10.7	11.3	11.6	12.3	13.5	10.7	11.3	11.6	12.3	13.5
	8H	11.5	12.1	12.4	13.1	14.3	11.5	12.1	12.4	13.1	14.3
	12H	12.3	12.8	13.3	13.8	15.1	12.3	12.8	13.3	13.8	15.1
8H	4H	9.6	10.2	10.5	11.1	12.4	9.6	10.2	10.5	11.1	12.4
	6H	11.4	11.9	12.4	12.9	14.2	11.4	11.9	12.4	12.9	14.2
	8H	12.4	12.8	13.3	13.8	15.1	12.4	12.8	13.3	13.8	15.1
	12H	13.3	13.8	14.3	14.8	16.1	13.3	13.8	14.3	14.8	16.1
12H	4H	9.7	10.2	10.6	11.2	12.5	9.7	10.2	10.6	11.2	12.5
	6H	11.6	12.1	12.6	13.1	14.4	11.6	12.1	12.6	13.1	14.4
	8H	12.6	13.1	13.6	14.1	15.4	12.6	13.1	13.6	14.1	15.4

(END OF REPORT)