

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: P1245404

Luminaire Tested: PRLX-UNA-M-930-04L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245404
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-930-04L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

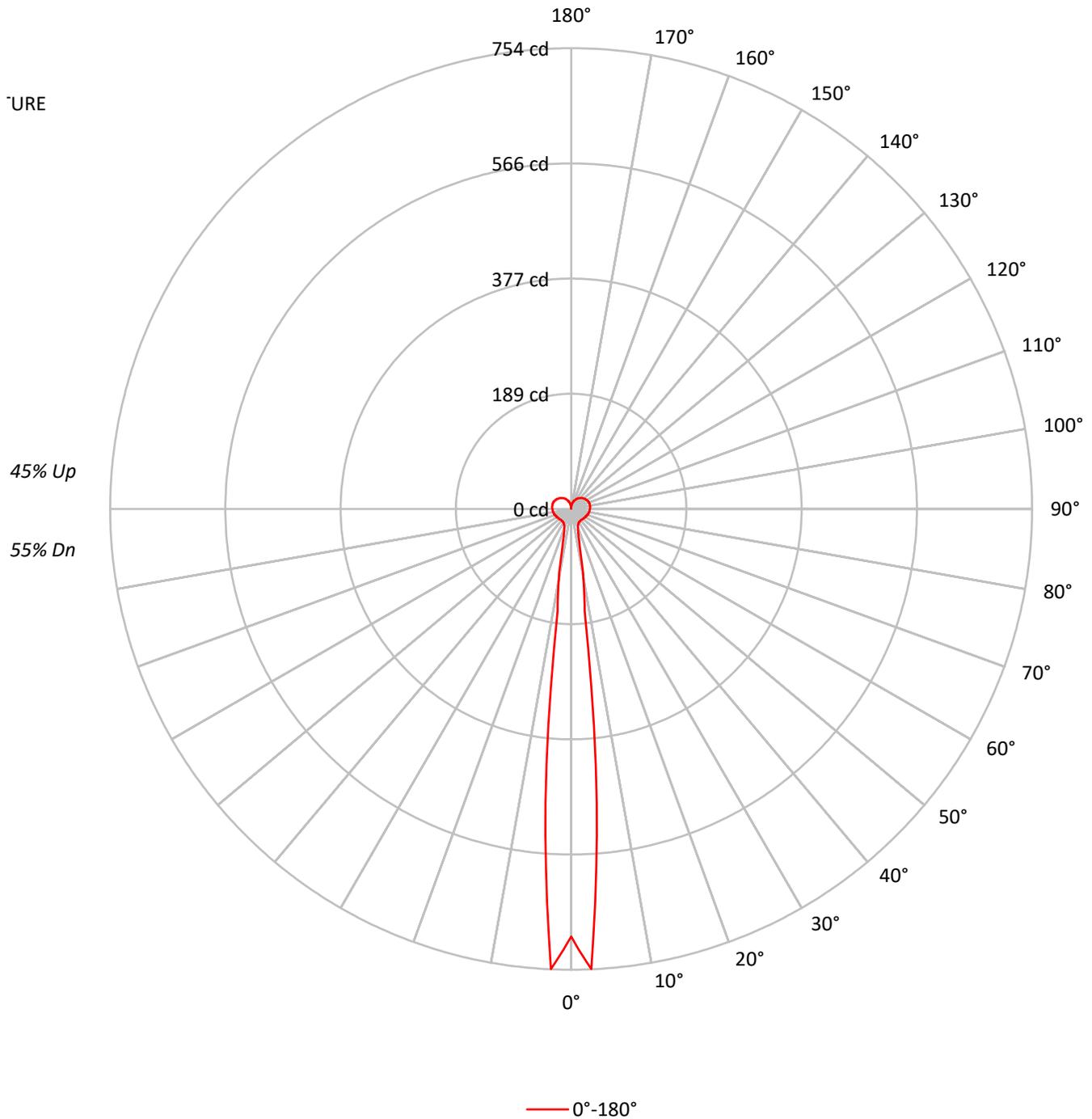
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 374.9 lumens
Efficiency: N/A
Efficacy: 23.1 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°	35847
5°	18142
10°	3483
15°	1168
20°	698
25°	533
30°	440
35°	397
40°	362
45°	348
50°	338
55°	332
60°	333
65°	332
70°	339
75°	349
80°	356
85°	365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	8.3
10°-20°	14.9	4.0
20°-30°	12.9	3.4
30°-40°	15.6	4.1
40°-50°	19.2	5.1
50°-60°	23.3	6.2
60°-70°	27.2	7.2
70°-80°	30.8	8.2
80°-90°	33.1	8.8
90°-100°	33.9	9.1
100°-110°	33.0	8.8
110°-120°	30.0	8.0
120°-130°	25.2	6.7
130°-140°	19.6	5.2
140°-150°	13.5	3.6
150°-160°	7.8	2.1
160°-170°	3.3	0.9
170°-180°	0.5	0.1
0°-30°	58.9	15.7
0°-40°	74.4	19.8
0°-60°	116.9	31.2
0°-90°	207.9	55.5
90°-120°	97.0	25.9
90°-150°	155.3	41.4
90°-180°	167.0	44.5
0°-180°	374.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	700	
5°	482	31
15°	47	15
25°	28	13
35°	25	16
45°	25	19
55°	26	23
65°	27	27
75°	29	31
85°	30	25
90°	31	17
95°	31	26
105°	31	33
115°	30	30
125°	28	25
135°	25	20
145°	21	13
155°	17	8
165°	11	3
175°	4	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	699.5
2.5°	753.7
5°	481.7
7.5°	168.0
10°	116.3
12.5°	66.6
15°	46.7
17.5°	37.8
20°	32.3
22.5°	29.3
25°	27.8
27.5°	26.3
30°	25.4
32.5°	24.9
35°	24.9
37.5°	24.4
40°	24.4
42.5°	24.4
45°	24.9
47.5°	24.9
50°	25.4
52.5°	25.4
55°	25.9
57.5°	26.3
60°	26.8
62.5°	26.8
65°	27.3
67.5°	27.8
70°	28.3
72.5°	28.8
75°	29.3
77.5°	29.3
80°	29.8
82.5°	30.3
85°	30.3
87.5°	30.3
90°	30.8
92.5°	30.8
95°	31.3
97.5°	31.3
100°	31.3
102.5°	31.3
105°	31.3
107.5°	31.3
110°	30.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	30.8
115°	30.3
117.5°	29.8
120°	29.3
122.5°	28.8
125°	28.3
127.5°	27.3
130°	26.8
132.5°	25.9
135°	25.4
137.5°	24.4
140°	23.4
142.5°	22.4
145°	21.4
147.5°	20.4
150°	19.4
152.5°	17.9
155°	16.9
157.5°	15.4
160°	14.4
162.5°	12.9
165°	11.4
167.5°	9.9
170°	8.5
172.5°	6.0
175°	3.5
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	3.3	4.3	4.2	5.2	6.4	3.3	4.3	4.2	5.2	6.4
	3H	6.3	7.2	7.2	8.2	9.4	6.3	7.2	7.2	8.2	9.4
	4H	7.8	8.7	8.7	9.6	10.8	7.8	8.7	8.7	9.6	10.8
	6H	9.3	10.1	10.2	11.0	12.3	9.3	10.1	10.2	11.0	12.3
	8H	10.0	10.8	10.9	11.7	13.0	10.0	10.8	10.9	11.7	13.0
	12H	10.7	11.4	11.6	12.4	13.7	10.7	11.4	11.6	12.4	13.7
4H	2H	4.1	4.9	5.0	5.9	7.1	4.1	4.9	5.0	5.9	7.1
	3H	7.3	8.0	8.2	9.0	10.2	7.3	8.0	8.2	9.0	10.2
	4H	8.9	9.6	9.8	10.6	11.8	8.9	9.6	9.8	10.6	11.8
	6H	10.5	11.2	11.5	12.2	13.4	10.5	11.2	11.5	12.2	13.4
	8H	11.4	12.0	12.3	12.9	14.2	11.4	12.0	12.3	12.9	14.2
	12H	12.2	12.7	13.1	13.7	15.0	12.2	12.7	13.1	13.7	15.0
8H	4H	9.4	10.0	10.4	11.0	12.3	9.4	10.0	10.4	11.0	12.3
	6H	11.3	11.8	12.3	12.8	14.1	11.3	11.8	12.3	12.8	14.1
	8H	12.2	12.7	13.2	13.7	15.0	12.2	12.7	13.2	13.7	15.0
	12H	13.2	13.6	14.2	14.6	16.0	13.2	13.6	14.2	14.6	16.0
12H	4H	9.6	10.1	10.5	11.1	12.4	9.6	10.1	10.5	11.1	12.4
	6H	11.5	11.9	12.5	12.9	14.2	11.5	11.9	12.5	12.9	14.2
	8H	12.5	12.9	13.5	13.9	15.3	12.5	12.9	13.5	13.9	15.3

(END OF REPORT)