

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: P1245417

Luminaire Tested: PRLX-UNA-M-935-03L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245417
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-935-03L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

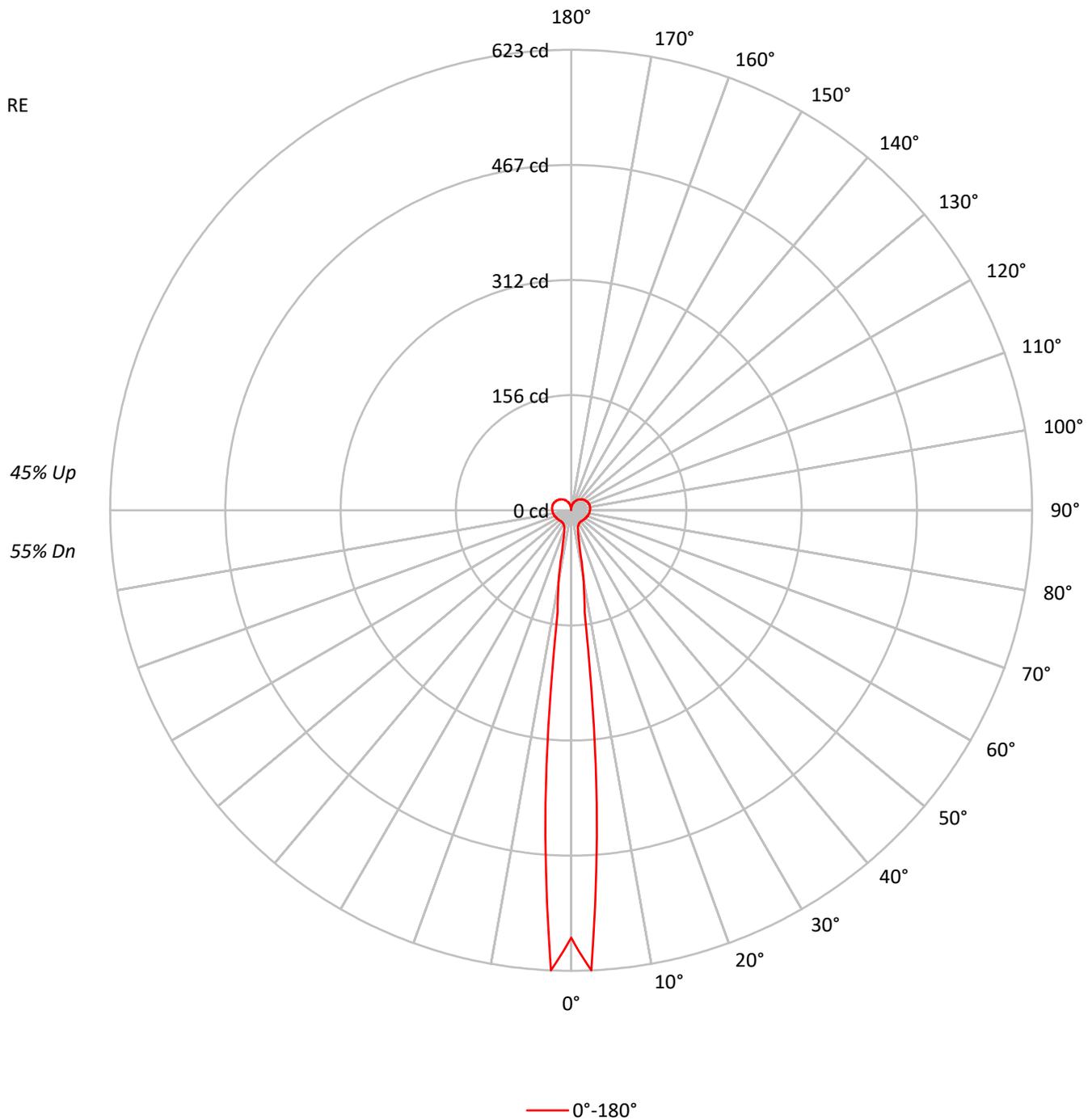
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 310.0 lumens
Efficiency: N/A
Efficacy: 27.9 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): 11.1
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

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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		30	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°	29636
5°	14997
10°	2881
15°	966
20°	577
25°	441
30°	364
35°	326
40°	298
45°	287
50°	280
55°	274
60°	276
65°	275
70°	281
75°	289
80°	295
85°	302

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	8.3
10°-20°	12.3	4.0
20°-30°	10.7	3.4
30°-40°	12.8	4.1
40°-50°	15.8	5.1
50°-60°	19.3	6.2
60°-70°	22.5	7.3
70°-80°	25.5	8.2
80°-90°	27.4	8.8
90°-100°	28.1	9.1
100°-110°	27.3	8.8
110°-120°	24.9	8.0
120°-130°	20.9	6.7
130°-140°	16.1	5.2
140°-150°	11.2	3.6
150°-160°	6.5	2.1
160°-170°	2.8	0.9
170°-180°	0.4	0.1
0°-30°	48.7	15.7
0°-40°	61.5	19.8
0°-60°	96.5	31.1
0°-90°	171.9	55.4
90°-120°	80.3	25.9
90°-150°	128.5	41.4
90°-180°	138.0	44.5
0°-180°	310.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	578	
5°	398	26
15°	39	12
25°	23	11
35°	20	13
45°	20	16
55°	21	19
65°	23	22
75°	24	25
85°	25	20
90°	26	14
95°	26	21
105°	26	27
115°	25	25
125°	23	21
135°	21	16
145°	18	11
155°	14	6
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	578.3
2.5°	623.1
5°	398.2
7.5°	138.9
10°	96.2
12.5°	55.1
15°	38.6
17.5°	31.2
20°	26.7
22.5°	24.2
25°	23.0
27.5°	21.8
30°	21.0
32.5°	20.5
35°	20.5
37.5°	20.1
40°	20.1
42.5°	20.1
45°	20.5
47.5°	20.5
50°	21.0
52.5°	21.0
55°	21.4
57.5°	21.8
60°	22.2
62.5°	22.2
65°	22.6
67.5°	23.0
70°	23.4
72.5°	23.8
75°	24.2
77.5°	24.2
80°	24.7
82.5°	25.1
85°	25.1
87.5°	25.1
90°	25.5
92.5°	25.5
95°	25.9
97.5°	25.9
100°	25.9
102.5°	25.9
105°	25.9
107.5°	25.9
110°	25.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	25.5
115°	25.1
117.5°	24.7
120°	24.2
122.5°	23.8
125°	23.4
127.5°	22.6
130°	22.2
132.5°	21.4
135°	21.0
137.5°	20.1
140°	19.3
142.5°	18.5
145°	17.7
147.5°	16.9
150°	16.0
152.5°	14.8
155°	14.0
157.5°	12.7
160°	11.9
162.5°	10.7
165°	9.5
167.5°	8.2
170°	7.0
172.5°	4.9
175°	2.9
177.5°	1.2
180°	0.4



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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	2.7	3.7	3.6	4.6	5.8	2.7	3.7	3.6	4.6	5.8
	3H	5.7	6.6	6.6	7.5	8.7	5.7	6.6	6.6	7.5	8.7
	4H	7.2	8.0	8.1	9.0	10.2	7.2	8.0	8.1	9.0	10.2
	6H	8.6	9.4	9.5	10.4	11.6	8.6	9.4	9.5	10.4	11.6
	8H	9.3	10.1	10.3	11.1	12.3	9.3	10.1	10.3	11.1	12.3
	12H	10.0	10.8	11.0	11.7	13.0	10.0	10.8	11.0	11.7	13.0
4H	2H	3.4	4.3	4.3	5.2	6.5	3.4	4.3	4.3	5.2	6.5
	3H	6.6	7.4	7.5	8.3	9.6	6.6	7.4	7.5	8.3	9.6
	4H	8.3	9.0	9.2	9.9	11.2	8.3	9.0	9.2	9.9	11.2
	6H	9.9	10.5	10.8	11.5	12.8	9.9	10.5	10.8	11.5	12.8
	8H	10.7	11.3	11.7	12.3	13.5	10.7	11.3	11.7	12.3	13.5
	12H	11.5	12.1	12.5	13.0	14.3	11.5	12.1	12.5	13.0	14.3
8H	4H	8.8	9.4	9.7	10.4	11.6	8.8	9.4	9.7	10.4	11.6
	6H	10.6	11.1	11.6	12.2	13.4	10.6	11.1	11.6	12.2	13.4
	8H	11.6	12.1	12.6	13.1	14.3	11.6	12.1	12.6	13.1	14.3
	12H	12.6	13.0	13.6	14.0	15.3	12.6	13.0	13.6	14.0	15.3
12H	4H	8.9	9.4	9.9	10.4	11.7	8.9	9.4	9.9	10.4	11.7
	6H	10.8	11.3	11.8	12.3	13.6	10.8	11.3	11.8	12.3	13.6
	8H	11.9	12.3	12.8	13.3	14.6	11.9	12.3	12.8	13.3	14.6

(END OF REPORT)