

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: P1245432

Luminaire Tested: PRLX-UNA-M-940-03L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245432
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-940-03L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

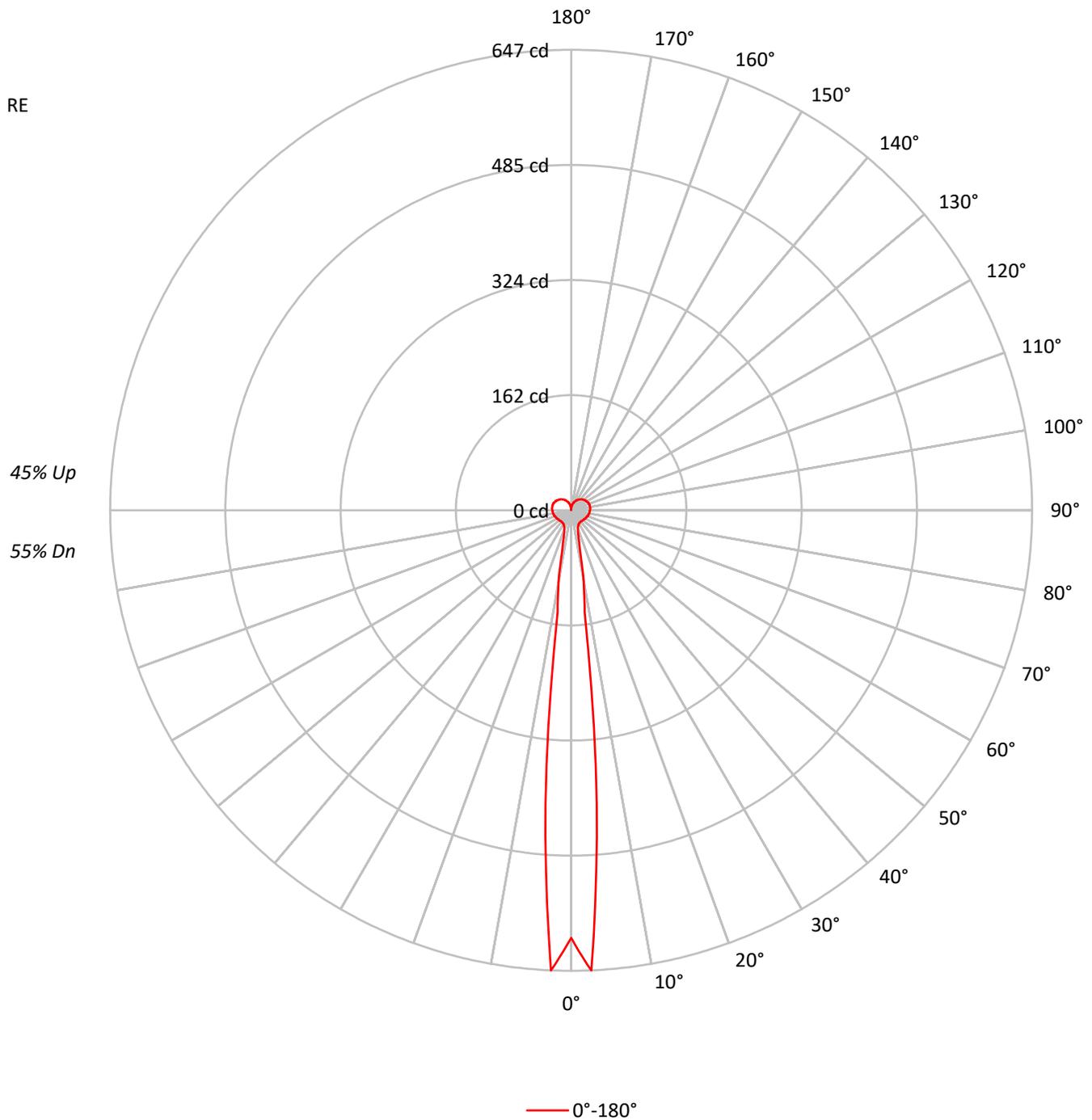
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 29.0 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): 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°	30779
5°	15581
10°	2992
15°	1003
20°	599
25°	458
30°	378
35°	339
40°	310
45°	298
50°	290
55°	284
60°	287
65°	286
70°	292
75°	300
80°	306
85°	313

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	8.3
10°-20°	12.8	4.0
20°-30°	11.1	3.4
30°-40°	13.3	4.1
40°-50°	16.4	5.1
50°-60°	20.0	6.2
60°-70°	23.4	7.3
70°-80°	26.5	8.2
80°-90°	28.4	8.8
90°-100°	29.2	9.1
100°-110°	28.4	8.8
110°-120°	25.8	8.0
120°-130°	21.7	6.7
130°-140°	16.8	5.2
140°-150°	11.6	3.6
150°-160°	6.7	2.1
160°-170°	2.9	0.9
170°-180°	0.4	0.1
0°-30°	50.5	15.7
0°-40°	63.9	19.8
0°-60°	100.3	31.1
0°-90°	178.5	55.4
90°-120°	83.4	25.9
90°-150°	133.5	41.4
90°-180°	143.0	44.4
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	601	
5°	414	27
15°	40	13
25°	24	11
35°	21	13
45°	21	16
55°	22	20
65°	24	23
75°	25	26
85°	26	21
90°	26	14
95°	27	22
105°	27	28
115°	26	26
125°	24	22
135°	22	17
145°	18	12
155°	14	7
165°	10	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	600.6
2.5°	647.2
5°	413.7
7.5°	144.3
10°	99.9
12.5°	57.2
15°	40.1
17.5°	32.4
20°	27.7
22.5°	25.2
25°	23.9
27.5°	22.6
30°	21.8
32.5°	21.3
35°	21.3
37.5°	20.9
40°	20.9
42.5°	20.9
45°	21.3
47.5°	21.3
50°	21.8
52.5°	21.8
55°	22.2
57.5°	22.6
60°	23.1
62.5°	23.1
65°	23.5
67.5°	23.9
70°	24.3
72.5°	24.8
75°	25.2
77.5°	25.2
80°	25.6
82.5°	26.0
85°	26.0
87.5°	26.0
90°	26.5
92.5°	26.5
95°	26.9
97.5°	26.9
100°	26.9
102.5°	26.9
105°	26.9
107.5°	26.9
110°	26.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	26.5
115°	26.0
117.5°	25.6
120°	25.2
122.5°	24.8
125°	24.3
127.5°	23.5
130°	23.1
132.5°	22.2
135°	21.8
137.5°	20.9
140°	20.1
142.5°	19.2
145°	18.4
147.5°	17.5
150°	16.6
152.5°	15.4
155°	14.5
157.5°	13.2
160°	12.4
162.5°	11.1
165°	9.8
167.5°	8.5
170°	7.3
172.5°	5.1
175°	3.0
177.5°	1.3
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	2.8	3.8	3.7	4.7	5.9	2.8	3.8	3.7	4.7	5.9
	3H	5.8	6.7	6.7	7.6	8.8	5.8	6.7	6.7	7.6	8.8
	4H	7.3	8.2	8.2	9.1	10.3	7.3	8.2	8.2	9.1	10.3
	6H	8.8	9.6	9.7	10.5	11.7	8.8	9.6	9.7	10.5	11.7
	8H	9.5	10.3	10.4	11.2	12.4	9.5	10.3	10.4	11.2	12.4
	12H	10.2	10.9	11.1	11.9	13.1	10.2	10.9	11.1	11.9	13.1
4H	2H	3.5	4.4	4.5	5.4	6.6	3.5	4.4	4.5	5.4	6.6
	3H	6.7	7.5	7.7	8.5	9.7	6.7	7.5	7.7	8.5	9.7
	4H	8.4	9.1	9.3	10.1	11.3	8.4	9.1	9.3	10.1	11.3
	6H	10.0	10.7	11.0	11.6	12.9	10.0	10.7	11.0	11.6	12.9
	8H	10.8	11.4	11.8	12.4	13.7	10.8	11.4	11.8	12.4	13.7
	12H	11.6	12.2	12.6	13.2	14.4	11.6	12.2	12.6	13.2	14.4
8H	4H	8.9	9.5	9.9	10.5	11.8	8.9	9.5	9.9	10.5	11.8
	6H	10.8	11.3	11.7	12.3	13.5	10.8	11.3	11.7	12.3	13.5
	8H	11.7	12.2	12.7	13.2	14.5	11.7	12.2	12.7	13.2	14.5
	12H	12.7	13.1	13.7	14.1	15.4	12.7	13.1	13.7	14.1	15.4
12H	4H	9.0	9.6	10.0	10.6	11.8	9.0	9.6	10.0	10.6	11.8
	6H	10.9	11.4	11.9	12.4	13.7	10.9	11.4	11.9	12.4	13.7
	8H	12.0	12.4	13.0	13.4	14.7	12.0	12.4	13.0	13.4	14.7

(END OF REPORT)