

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: P1245386

Luminaire Tested: PRLX-UNA-M-927-03L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245386
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-927-03L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

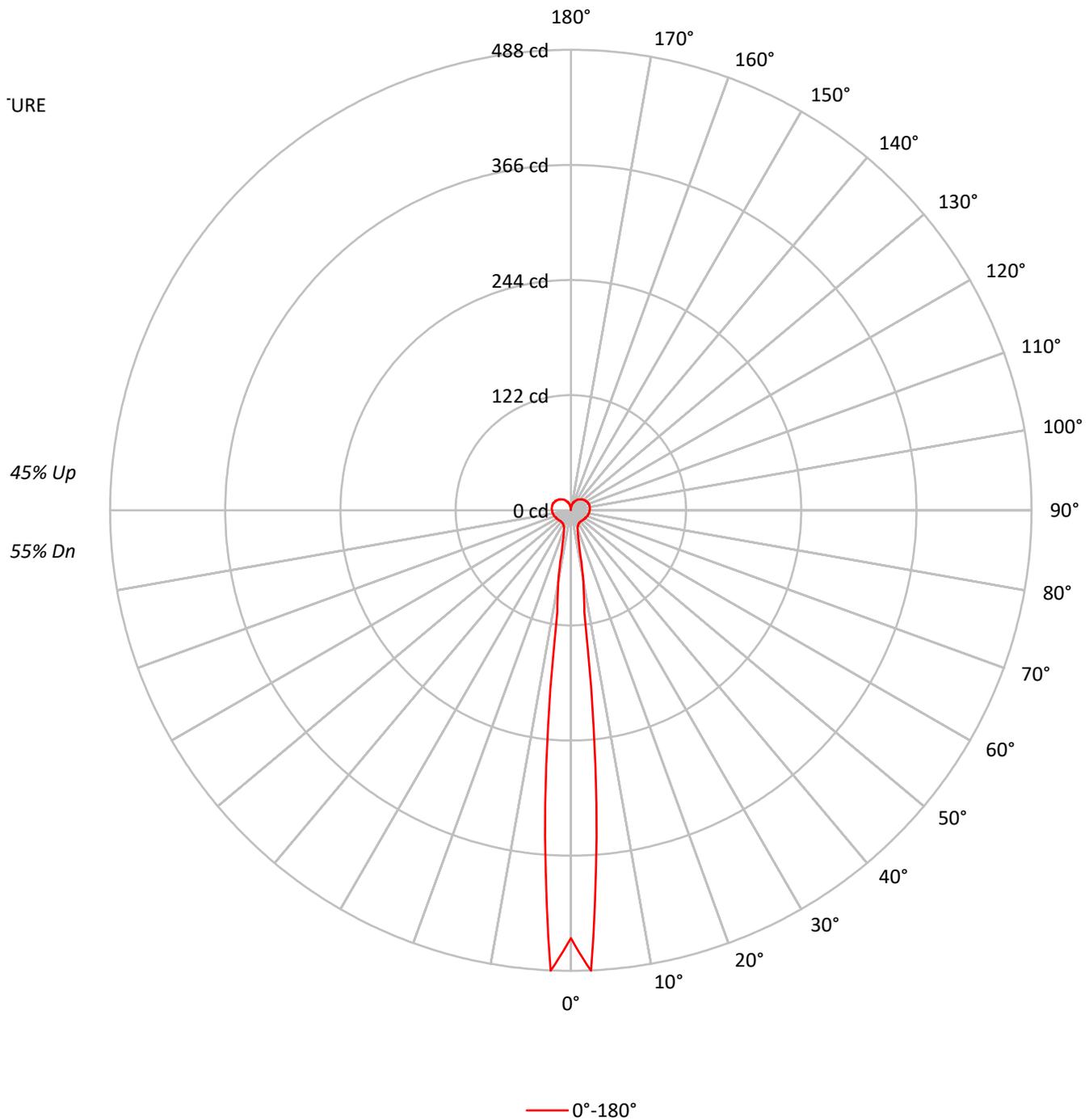
Lumens per Lamp: N/A
Luminaire Lumens: 243.1 lumens
Efficiency: N/A
Efficacy: 21.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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	55	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°	23230
5°	11758
10°	2258
15°	758
20°	452
25°	345
30°	284
35°	256
40°	234
45°	225
50°	218
55°	215
60°	216
65°	215
70°	221
75°	227
80°	230
85°	237

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	8.3
10°-20°	9.7	4.0
20°-30°	8.4	3.4
30°-40°	10.1	4.1
40°-50°	12.4	5.1
50°-60°	15.1	6.2
60°-70°	17.6	7.3
70°-80°	20.0	8.2
80°-90°	21.5	8.8
90°-100°	22.0	9.1
100°-110°	21.4	8.8
110°-120°	19.5	8.0
120°-130°	16.4	6.7
130°-140°	12.7	5.2
140°-150°	8.7	3.6
150°-160°	5.1	2.1
160°-170°	2.2	0.9
170°-180°	0.3	0.1
0°-30°	38.1	15.7
0°-40°	48.2	19.8
0°-60°	75.7	31.1
0°-90°	134.8	55.5
90°-120°	62.9	25.9
90°-150°	100.7	41.4
90°-180°	108.0	44.4
0°-180°	243.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	453	
5°	312	20
15°	30	10
25°	18	8
35°	16	10
45°	16	12
55°	17	15
65°	18	18
75°	19	20
85°	20	16
90°	20	11
95°	20	17
105°	20	21
115°	20	19
125°	18	16
135°	16	13
145°	14	9
155°	11	5
165°	7	2
175°	2	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	453.3
2.5°	488.4
5°	312.2
7.5°	108.9
10°	75.4
12.5°	43.2
15°	30.3
17.5°	24.5
20°	20.9
22.5°	19.0
25°	18.0
27.5°	17.1
30°	16.4
32.5°	16.1
35°	16.1
37.5°	15.8
40°	15.8
42.5°	15.8
45°	16.1
47.5°	16.1
50°	16.4
52.5°	16.4
55°	16.8
57.5°	17.1
60°	17.4
62.5°	17.4
65°	17.7
67.5°	18.0
70°	18.4
72.5°	18.7
75°	19.0
77.5°	19.0
80°	19.3
82.5°	19.7
85°	19.7
87.5°	19.7
90°	20.0
92.5°	20.0
95°	20.3
97.5°	20.3
100°	20.3
102.5°	20.3
105°	20.3
107.5°	20.3
110°	20.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	20.0
115°	19.7
117.5°	19.3
120°	19.0
122.5°	18.7
125°	18.4
127.5°	17.7
130°	17.4
132.5°	16.8
135°	16.4
137.5°	15.8
140°	15.1
142.5°	14.5
145°	13.9
147.5°	13.2
150°	12.6
152.5°	11.6
155°	11.0
157.5°	10.0
160°	9.3
162.5°	8.4
165°	7.4
167.5°	6.4
170°	5.5
172.5°	3.9
175°	2.3
177.5°	1.0
180°	0.3



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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	1.8	2.8	2.7	3.8	4.9	1.8	2.8	2.7	3.8	4.9
	3H	4.8	5.7	5.7	6.7	7.9	4.8	5.7	5.7	6.7	7.9
	4H	6.3	7.2	7.2	8.1	9.3	6.3	7.2	7.2	8.1	9.3
	6H	7.8	8.6	8.7	9.5	10.8	7.8	8.6	8.7	9.5	10.8
	8H	8.5	9.3	9.4	10.2	11.5	8.5	9.3	9.4	10.2	11.5
	12H	9.2	9.9	10.1	10.9	12.2	9.2	9.9	10.1	10.9	12.2
4H	2H	2.6	3.5	3.5	4.4	5.6	2.6	3.5	3.5	4.4	5.6
	3H	5.8	6.5	6.7	7.5	8.7	5.8	6.5	6.7	7.5	8.7
	4H	7.4	8.1	8.4	9.1	10.3	7.4	8.1	8.4	9.1	10.3
	6H	9.0	9.7	10.0	10.7	11.9	9.0	9.7	10.0	10.7	11.9
	8H	9.9	10.5	10.8	11.4	12.7	9.9	10.5	10.8	11.4	12.7
	12H	10.7	11.2	11.6	12.2	13.5	10.7	11.2	11.6	12.2	13.5
8H	4H	7.9	8.5	8.9	9.5	10.8	7.9	8.5	8.9	9.5	10.8
	6H	9.8	10.3	10.7	11.3	12.6	9.8	10.3	10.7	11.3	12.6
	8H	10.7	11.2	11.7	12.2	13.5	10.7	11.2	11.7	12.2	13.5
	12H	11.7	12.1	12.7	13.1	14.5	11.7	12.1	12.7	13.1	14.5
12H	4H	8.1	8.6	9.0	9.6	10.9	8.1	8.6	9.0	9.6	10.9
	6H	10.0	10.4	11.0	11.4	12.7	10.0	10.4	11.0	11.4	12.7
	8H	11.0	11.4	12.0	12.4	13.8	11.0	11.4	12.0	12.4	13.8

(END OF REPORT)