

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: P1245387

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245387
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-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

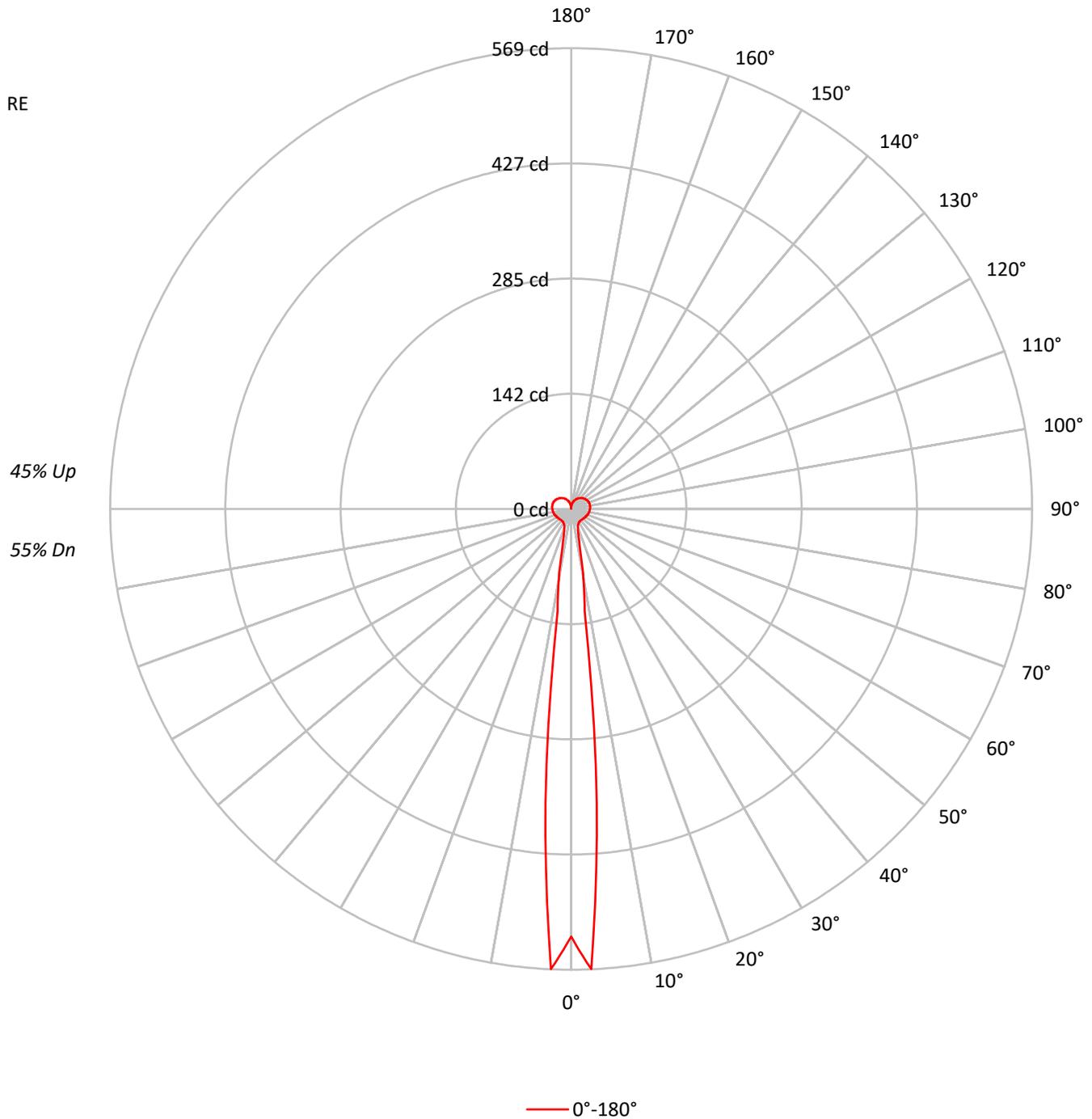
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 283.0 lumens
Efficiency: N/A
Efficacy: 25.5 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		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°	27053
5°	13694
10°	2630
15°	883
20°	528
25°	402
30°	331
35°	299
40°	273
45°	263
50°	254
55°	250
60°	252
65°	251
70°	257
75°	263
80°	269
85°	276

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 286 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	8.3
10°-20°	11.3	4.0
20°-30°	9.7	3.4
30°-40°	11.7	4.1
40°-50°	14.5	5.1
50°-60°	17.6	6.2
60°-70°	20.5	7.3
70°-80°	23.3	8.2
80°-90°	25.0	8.8
90°-100°	25.6	9.1
100°-110°	24.9	8.8
110°-120°	22.7	8.0
120°-130°	19.1	6.7
130°-140°	14.7	5.2
140°-150°	10.2	3.6
150°-160°	5.9	2.1
160°-170°	2.5	0.9
170°-180°	0.4	0.1
0°-30°	44.4	15.7
0°-40°	56.2	19.8
0°-60°	88.2	31.2
0°-90°	157.0	55.5
90°-120°	73.2	25.9
90°-150°	117.2	41.4
90°-180°	126.0	44.5
0°-180°	283.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	528	
5°	364	23
15°	35	11
25°	21	10
35°	19	12
45°	19	14
55°	20	18
65°	21	21
75°	22	23
85°	23	19
90°	23	13
95°	24	19
105°	24	25
115°	23	23
125°	21	19
135°	19	15
145°	16	10
155°	13	6
165°	9	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	527.9
2.5°	568.8
5°	363.6
7.5°	126.8
10°	87.8
12.5°	50.3
15°	35.3
17.5°	28.5
20°	24.4
22.5°	22.1
25°	21.0
27.5°	19.9
30°	19.1
32.5°	18.8
35°	18.8
37.5°	18.4
40°	18.4
42.5°	18.4
45°	18.8
47.5°	18.8
50°	19.1
52.5°	19.1
55°	19.5
57.5°	19.9
60°	20.3
62.5°	20.3
65°	20.6
67.5°	21.0
70°	21.4
72.5°	21.8
75°	22.1
77.5°	22.1
80°	22.5
82.5°	22.9
85°	22.9
87.5°	22.9
90°	23.3
92.5°	23.3
95°	23.6
97.5°	23.6
100°	23.6
102.5°	23.6
105°	23.6
107.5°	23.6
110°	23.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	23.3
115°	22.9
117.5°	22.5
120°	22.1
122.5°	21.8
125°	21.4
127.5°	20.6
130°	20.3
132.5°	19.5
135°	19.1
137.5°	18.4
140°	17.6
142.5°	16.9
145°	16.1
147.5°	15.4
150°	14.6
152.5°	13.5
155°	12.8
157.5°	11.6
160°	10.9
162.5°	9.8
165°	8.6
167.5°	7.5
170°	6.4
172.5°	4.5
175°	2.6
177.5°	1.1
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	2.4	3.4	3.2	4.3	5.5	2.4	3.4	3.2	4.3	5.5
	3H	5.4	6.3	6.3	7.2	8.4	5.4	6.3	6.3	7.2	8.4
	4H	6.8	7.7	7.8	8.7	9.9	6.8	7.7	7.8	8.7	9.9
	6H	8.3	9.1	9.2	10.1	11.3	8.3	9.1	9.2	10.1	11.3
	8H	9.0	9.8	10.0	10.8	12.0	9.0	9.8	10.0	10.8	12.0
	12H	9.7	10.5	10.7	11.4	12.7	9.7	10.5	10.7	11.4	12.7
4H	2H	3.1	4.0	4.0	4.9	6.1	3.1	4.0	4.0	4.9	6.1
	3H	6.3	7.1	7.2	8.0	9.3	6.3	7.1	7.2	8.0	9.3
	4H	7.9	8.7	8.9	9.6	10.9	7.9	8.7	8.9	9.6	10.9
	6H	9.6	10.2	10.5	11.2	12.4	9.6	10.2	10.5	11.2	12.4
	8H	10.4	11.0	11.3	12.0	13.2	10.4	11.0	11.3	12.0	13.2
	12H	11.2	11.7	12.2	12.7	14.0	11.2	11.7	12.2	12.7	14.0
8H	4H	8.5	9.1	9.4	10.0	11.3	8.5	9.1	9.4	10.0	11.3
	6H	10.3	10.8	11.3	11.8	13.1	10.3	10.8	11.3	11.8	13.1
	8H	11.3	11.7	12.2	12.7	14.0	11.3	11.7	12.2	12.7	14.0
	12H	12.2	12.7	13.2	13.7	15.0	12.2	12.7	13.2	13.7	15.0
12H	4H	8.6	9.1	9.5	10.1	11.4	8.6	9.1	9.5	10.1	11.4
	6H	10.5	11.0	11.5	12.0	13.3	10.5	11.0	11.5	12.0	13.3
	8H	11.5	12.0	12.5	13.0	14.3	11.5	12.0	12.5	13.0	14.3

(END OF REPORT)