

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: P1245395

Luminaire Tested: PRLX-UNA-M-927-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245395
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-927-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

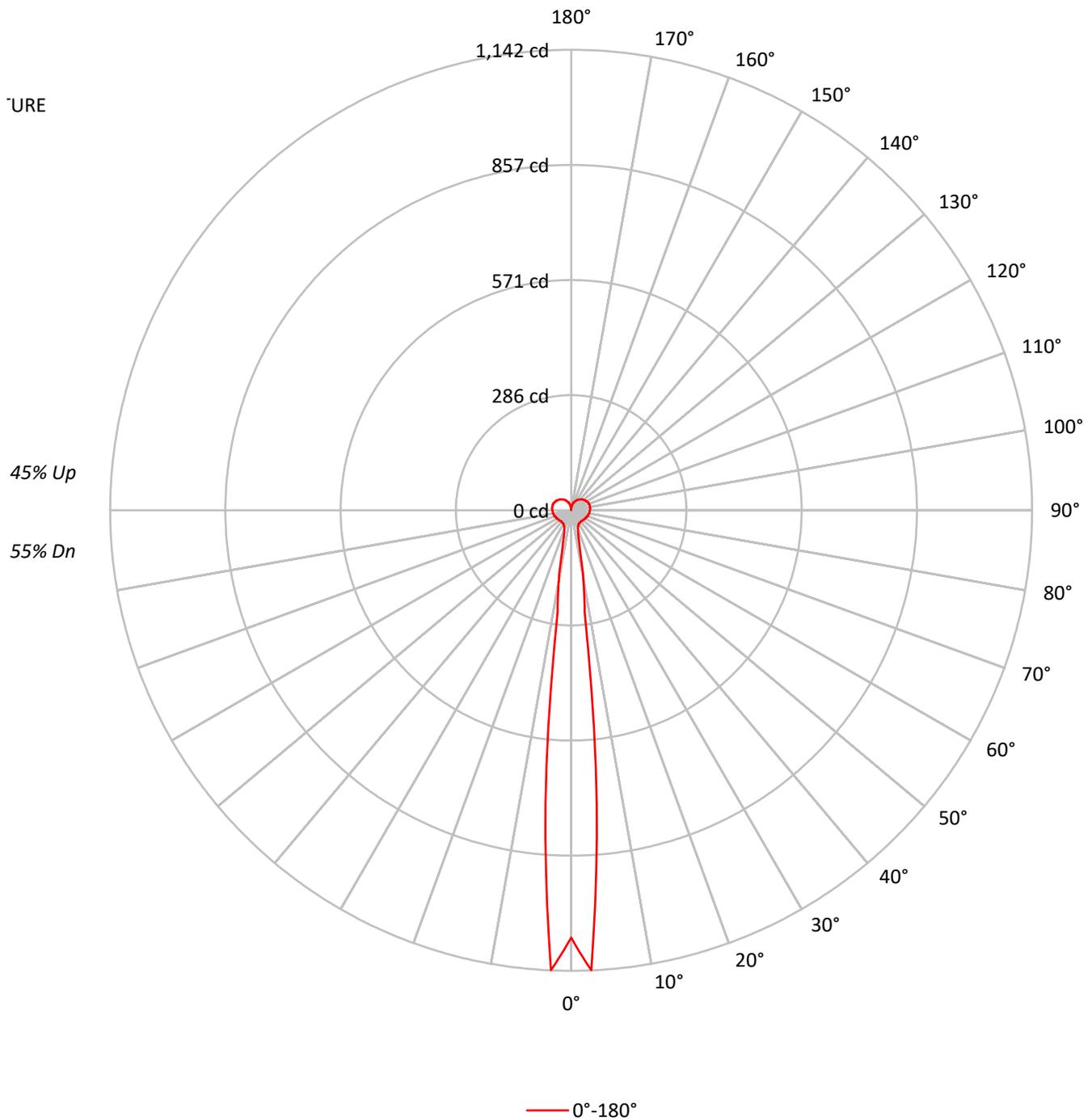
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 568.0 lumens
Efficiency: N/A
Efficacy: 19.7 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): 28.9
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°	54296
5°	27482
10°	5277
15°	1771
20°	1057
25°	809
30°	665
35°	600
40°	547
45°	527
50°	512
55°	502
60°	506
65°	504
70°	515
75°	529
80°	540
85°	553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	8.3
10°-20°	22.6	4.0
20°-30°	19.6	3.4
30°-40°	23.5	4.1
40°-50°	29.0	5.1
50°-60°	35.2	6.2
60°-70°	41.2	7.3
70°-80°	46.7	8.2
80°-90°	50.1	8.8
90°-100°	51.4	9.1
100°-110°	50.1	8.8
110°-120°	45.5	8.0
120°-130°	38.3	6.7
130°-140°	29.6	5.2
140°-150°	20.4	3.6
150°-160°	11.9	2.1
160°-170°	5.0	0.9
170°-180°	0.7	0.1
0°-30°	89.2	15.7
0°-40°	112.7	19.8
0°-60°	177.0	31.2
0°-90°	315.0	55.5
90°-120°	147.0	25.9
90°-150°	235.3	41.4
90°-180°	253.0	44.5
0°-180°	568.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	730	47
15°	71	23
25°	42	20
35°	38	24
45°	38	29
55°	39	35
65°	41	41
75°	44	47
85°	46	37
90°	47	25
95°	47	39
105°	47	50
115°	46	46
125°	43	38
135°	38	30
145°	32	20
155°	26	12
165°	17	5
175°	5	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1059.5
2.5°	1141.6
5°	729.7
7.5°	254.5
10°	176.2
12.5°	100.9
15°	70.8
17.5°	57.2
20°	48.9
22.5°	44.4
25°	42.2
27.5°	39.9
30°	38.4
32.5°	37.7
35°	37.7
37.5°	36.9
40°	36.9
42.5°	36.9
45°	37.7
47.5°	37.7
50°	38.4
52.5°	38.4
55°	39.2
57.5°	39.9
60°	40.7
62.5°	40.7
65°	41.4
67.5°	42.2
70°	42.9
72.5°	43.7
75°	44.4
77.5°	44.4
80°	45.2
82.5°	45.9
85°	45.9
87.5°	45.9
90°	46.7
92.5°	46.7
95°	47.4
97.5°	47.4
100°	47.4
102.5°	47.4
105°	47.4
107.5°	47.4
110°	46.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.7
115°	45.9
117.5°	45.2
120°	44.4
122.5°	43.7
125°	42.9
127.5°	41.4
130°	40.7
132.5°	39.2
135°	38.4
137.5°	36.9
140°	35.4
142.5°	33.9
145°	32.4
147.5°	30.9
150°	29.4
152.5°	27.1
155°	25.6
157.5°	23.3
160°	21.8
162.5°	19.6
165°	17.3
167.5°	15.1
170°	12.8
172.5°	9.0
175°	5.3
177.5°	2.3
180°	0.8



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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	4.8	5.8	5.7	6.7	7.9	4.8	5.8	5.7	6.7	7.9
	3H	7.8	8.7	8.7	9.6	10.8	7.8	8.7	8.7	9.6	10.8
	4H	9.3	10.1	10.2	11.1	12.3	9.3	10.1	10.2	11.1	12.3
	6H	10.7	11.5	11.7	12.5	13.7	10.7	11.5	11.7	12.5	13.7
	8H	11.4	12.2	12.4	13.2	14.4	11.4	12.2	12.4	13.2	14.4
	12H	12.1	12.9	13.1	13.8	15.1	12.1	12.9	13.1	13.8	15.1
4H	2H	5.5	6.4	6.4	7.3	8.6	5.5	6.4	6.4	7.3	8.6
	3H	8.7	9.5	9.6	10.4	11.7	8.7	9.5	9.6	10.4	11.7
	4H	10.4	11.1	11.3	12.0	13.3	10.4	11.1	11.3	12.0	13.3
	6H	12.0	12.6	12.9	13.6	14.9	12.0	12.6	12.9	13.6	14.9
	8H	12.8	13.4	13.8	14.4	15.6	12.8	13.4	13.8	14.4	15.6
	12H	13.6	14.2	14.6	15.1	16.4	13.6	14.2	14.6	15.1	16.4
8H	4H	10.9	11.5	11.8	12.5	13.7	10.9	11.5	11.8	12.5	13.7
	6H	12.7	13.2	13.7	14.3	15.5	12.7	13.2	13.7	14.3	15.5
	8H	13.7	14.2	14.7	15.2	16.4	13.7	14.2	14.7	15.2	16.4
	12H	14.7	15.1	15.7	16.1	17.4	14.7	15.1	15.7	16.1	17.4
12H	4H	11.0	11.5	12.0	12.5	13.8	11.0	11.5	12.0	12.5	13.8
	6H	12.9	13.4	13.9	14.4	15.7	12.9	13.4	13.9	14.4	15.7
	8H	14.0	14.4	14.9	15.4	16.7	14.0	14.4	14.9	15.4	16.7

(END OF REPORT)