

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: P1245441

Luminaire Tested: PRLX-UNA-M-940-07L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245441
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-940-07L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

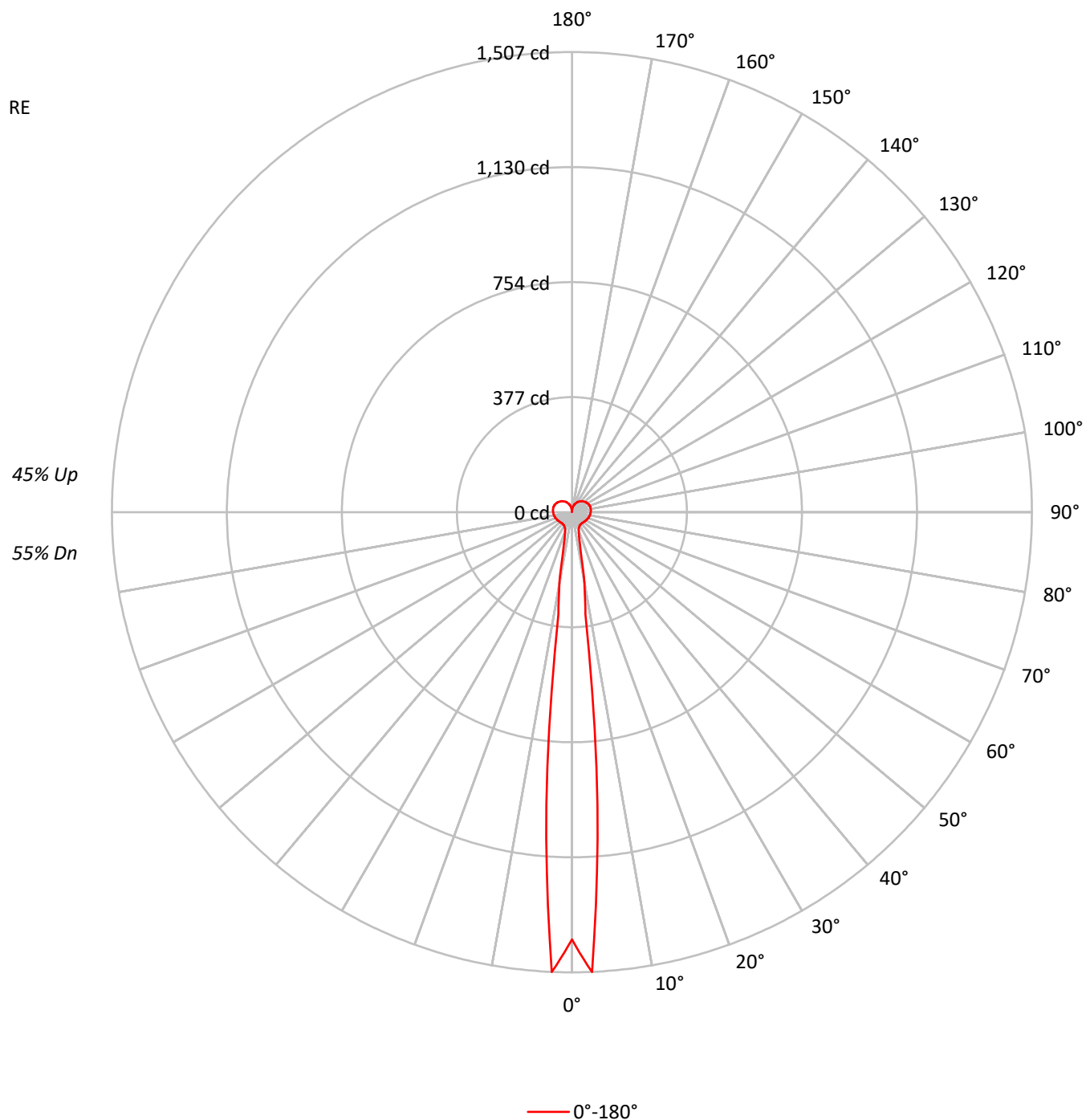
Lumens per Lamp: N/A
Luminaire Lumens: 750.0 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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°	71695
5°	36288
10°	6970
15°	2339
20°	1397
25°	1068
30°	879
35°	791
40°	723
45°	695
50°	675
55°	662
60°	668
65°	665
70°	680
75°	700
80°	713
85°	731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	8.3
10°-20°	29.8	4.0
20°-30°	25.8	3.4
30°-40°	31.0	4.1
40°-50°	38.3	5.1
50°-60°	46.5	6.2
60°-70°	54.4	7.3
70°-80°	61.7	8.2
80°-90°	66.2	8.8
90°-100°	67.9	9.1
100°-110°	66.1	8.8
110°-120°	60.1	8.0
120°-130°	50.6	6.7
130°-140°	39.0	5.2
140°-150°	27.0	3.6
150°-160°	15.7	2.1
160°-170°	6.7	0.9
170°-180°	1.0	0.1
0°-30°	117.8	15.7
0°-40°	148.8	19.8
0°-60°	233.6	31.2
0°-90°	416.0	55.5
90°-120°	194.1	25.9
90°-150°	310.7	41.4
90°-180°	334.0	44.5
0°-180°	750.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1399	
5°	964	62
15°	94	30
25°	56	26
35°	50	31
45°	50	38
55°	52	47
65°	55	54
75°	59	62
85°	61	49
90°	62	34
95°	63	51
105°	63	66
115°	61	60
125°	57	51
135°	51	39
145°	43	27
155°	34	16
165°	23	7
175°	7	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1399.0
2.5°	1507.4
5°	963.5
7.5°	336.1
10°	232.7
12.5°	133.2
15°	93.5
17.5°	75.6
20°	64.6
22.5°	58.7
25°	55.7
27.5°	52.7
30°	50.7
32.5°	49.7
35°	49.7
37.5°	48.7
40°	48.7
42.5°	48.7
45°	49.7
47.5°	49.7
50°	50.7
52.5°	50.7
55°	51.7
57.5°	52.7
60°	53.7
62.5°	53.7
65°	54.7
67.5°	55.7
70°	56.7
72.5°	57.7
75°	58.7
77.5°	58.7
80°	59.7
82.5°	60.7
85°	60.7
87.5°	60.7
90°	61.6
92.5°	61.6
95°	62.6
97.5°	62.6
100°	62.6
102.5°	62.6
105°	62.6
107.5°	62.6
110°	61.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.6
115°	60.7
117.5°	59.7
120°	58.7
122.5°	57.7
125°	56.7
127.5°	54.7
130°	53.7
132.5°	51.7
135°	50.7
137.5°	48.7
140°	46.7
142.5°	44.7
145°	42.8
147.5°	40.8
150°	38.8
152.5°	35.8
155°	33.8
157.5°	30.8
160°	28.8
162.5°	25.9
165°	22.9
167.5°	19.9
170°	16.9
172.5°	11.9
175°	7.0
177.5°	3.0
180°	1.0

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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	5.7	6.7	6.6	7.7	8.8	5.7	6.7	6.6	7.7	8.8
	3H	8.7	9.7	9.6	10.6	11.8	8.7	9.7	9.6	10.6	11.8
	4H	10.2	11.1	11.1	12.0	13.3	10.2	11.1	11.1	12.0	13.3
	6H	11.7	12.5	12.6	13.5	14.7	11.7	12.5	12.6	13.5	14.7
	8H	12.4	13.2	13.3	14.2	15.4	12.4	13.2	13.3	14.2	15.4
	12H	13.1	13.9	14.0	14.8	16.1	13.1	13.9	14.0	14.8	16.1
4H	2H	6.5	7.4	7.4	8.3	9.5	6.5	7.4	7.4	8.3	9.5
	3H	9.7	10.4	10.6	11.4	12.6	9.7	10.4	10.6	11.4	12.6
	4H	11.3	12.0	12.3	13.0	14.3	11.3	12.0	12.3	13.0	14.3
	6H	13.0	13.6	13.9	14.6	15.8	13.0	13.6	13.9	14.6	15.8
	8H	13.8	14.4	14.7	15.4	16.6	13.8	14.4	14.7	15.4	16.6
	12H	14.6	15.1	15.5	16.1	17.4	14.6	15.1	15.5	16.1	17.4
8H	4H	11.9	12.5	12.8	13.4	14.7	11.9	12.5	12.8	13.4	14.7
	6H	13.7	14.2	14.7	15.2	16.5	13.7	14.2	14.7	15.2	16.5
	8H	14.7	15.1	15.6	16.1	17.4	14.7	15.1	15.6	16.1	17.4
	12H	15.6	16.1	16.6	17.1	18.4	15.6	16.1	16.6	17.1	18.4
12H	4H	12.0	12.5	12.9	13.5	14.8	12.0	12.5	12.9	13.5	14.8
	6H	13.9	14.4	14.9	15.4	16.7	13.9	14.4	14.9	15.4	16.7
	8H	14.9	15.3	15.9	16.4	17.7	14.9	15.3	15.9	16.4	17.7

(END OF REPORT)