

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: P1245442

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245442
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-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

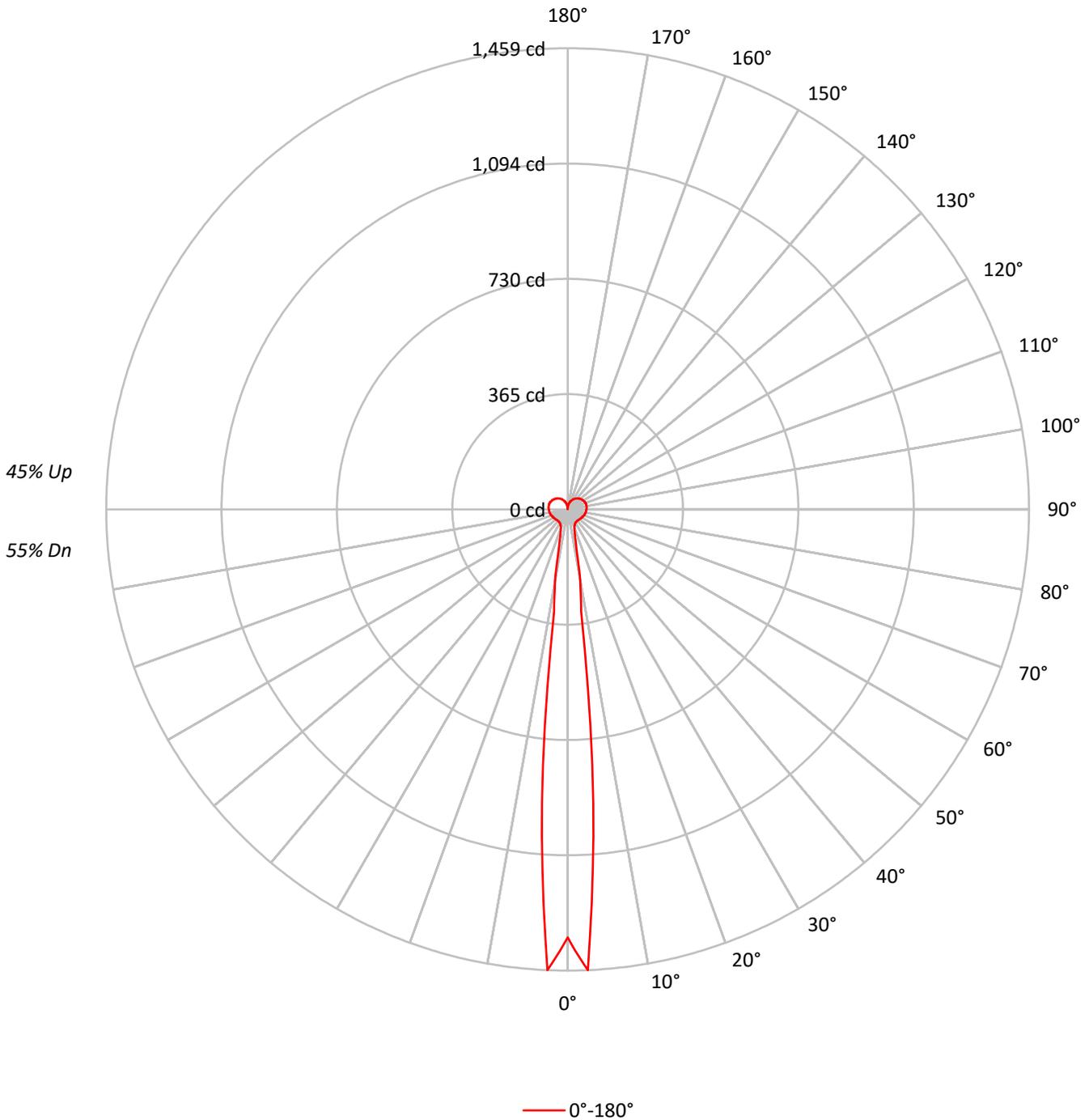
Lumens per Lamp: N/A
Luminaire Lumens: 726.0 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

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°	69399
5°	35128
10°	6745
15°	2264
20°	1354
25°	1033
30°	851
35°	766
40°	700
45°	673
50°	654
55°	642
60°	647
65°	643
70°	659
75°	677
80°	690
85°	707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 732 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	8.3
10°-20°	28.9	4.0
20°-30°	25.0	3.4
30°-40°	30.1	4.1
40°-50°	37.1	5.1
50°-60°	45.1	6.2
60°-70°	52.7	7.3
70°-80°	59.7	8.2
80°-90°	64.1	8.8
90°-100°	65.7	9.1
100°-110°	64.0	8.8
110°-120°	58.2	8.0
120°-130°	48.9	6.7
130°-140°	37.8	5.2
140°-150°	26.1	3.6
150°-160°	15.2	2.1
160°-170°	6.4	0.9
170°-180°	1.0	0.1
0°-30°	114.0	15.7
0°-40°	144.1	19.8
0°-60°	226.2	31.2
0°-90°	402.7	55.5
90°-120°	187.9	25.9
90°-150°	300.8	41.4
90°-180°	323.0	44.5
0°-180°	726.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1354	
5°	933	60
15°	90	29
25°	54	25
35°	48	30
45°	48	37
55°	50	45
65°	53	53
75°	57	60
85°	59	48
90°	60	33
95°	61	49
105°	61	64
115°	59	58
125°	55	49
135°	49	38
145°	41	26
155°	33	15
165°	22	6
175°	7	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1354.2
2.5°	1459.2
5°	932.7
7.5°	325.3
10°	225.2
12.5°	129.0
15°	90.5
17.5°	73.2
20°	62.6
22.5°	56.8
25°	53.9
27.5°	51.0
30°	49.1
32.5°	48.1
35°	48.1
37.5°	47.2
40°	47.2
42.5°	47.2
45°	48.1
47.5°	48.1
50°	49.1
52.5°	49.1
55°	50.1
57.5°	51.0
60°	52.0
62.5°	52.0
65°	52.9
67.5°	53.9
70°	54.9
72.5°	55.8
75°	56.8
77.5°	56.8
80°	57.8
82.5°	58.7
85°	58.7
87.5°	58.7
90°	59.7
92.5°	59.7
95°	60.6
97.5°	60.6
100°	60.6
102.5°	60.6
105°	60.6
107.5°	60.6
110°	59.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.7
115°	58.7
117.5°	57.8
120°	56.8
122.5°	55.8
125°	54.9
127.5°	52.9
130°	52.0
132.5°	50.1
135°	49.1
137.5°	47.2
140°	45.2
142.5°	43.3
145°	41.4
147.5°	39.5
150°	37.5
152.5°	34.7
155°	32.7
157.5°	29.8
160°	27.9
162.5°	25.0
165°	22.1
167.5°	19.3
170°	16.4
172.5°	11.6
175°	6.7
177.5°	2.9
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	5.6	6.6	6.5	7.5	8.7	5.6	6.6	6.5	7.5	8.7
	3H	8.6	9.5	9.5	10.5	11.7	8.6	9.5	9.5	10.5	11.7
	4H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	6H	11.6	12.4	12.5	13.3	14.6	11.6	12.4	12.5	13.3	14.6
	8H	12.3	13.1	13.2	14.0	15.3	12.3	13.1	13.2	14.0	15.3
	12H	13.0	13.7	13.9	14.7	16.0	13.0	13.7	13.9	14.7	16.0
4H	2H	6.4	7.3	7.3	8.2	9.4	6.4	7.3	7.3	8.2	9.4
	3H	9.6	10.3	10.5	11.3	12.5	9.6	10.3	10.5	11.3	12.5
	4H	11.2	11.9	12.2	12.9	14.1	11.2	11.9	12.2	12.9	14.1
	6H	12.9	13.5	13.8	14.5	15.7	12.9	13.5	13.8	14.5	15.7
	8H	13.7	14.3	14.6	15.2	16.5	13.7	14.3	14.6	15.2	16.5
	12H	14.5	15.0	15.4	16.0	17.3	14.5	15.0	15.4	16.0	17.3
8H	4H	11.7	12.3	12.7	13.3	14.6	11.7	12.3	12.7	13.3	14.6
	6H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4
	8H	14.5	15.0	15.5	16.0	17.3	14.5	15.0	15.5	16.0	17.3
	12H	15.5	15.9	16.5	16.9	18.3	15.5	15.9	16.5	16.9	18.3
12H	4H	11.9	12.4	12.8	13.4	14.7	11.9	12.4	12.8	13.4	14.7
	6H	13.8	14.2	14.8	15.2	16.5	13.8	14.2	14.8	15.2	16.5
	8H	14.8	15.2	15.8	16.2	17.6	14.8	15.2	15.8	16.2	17.6

(END OF REPORT)