

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: IRiS

Report Number: P1246626

Luminaire Tested: P3A09R559024DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R559024DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

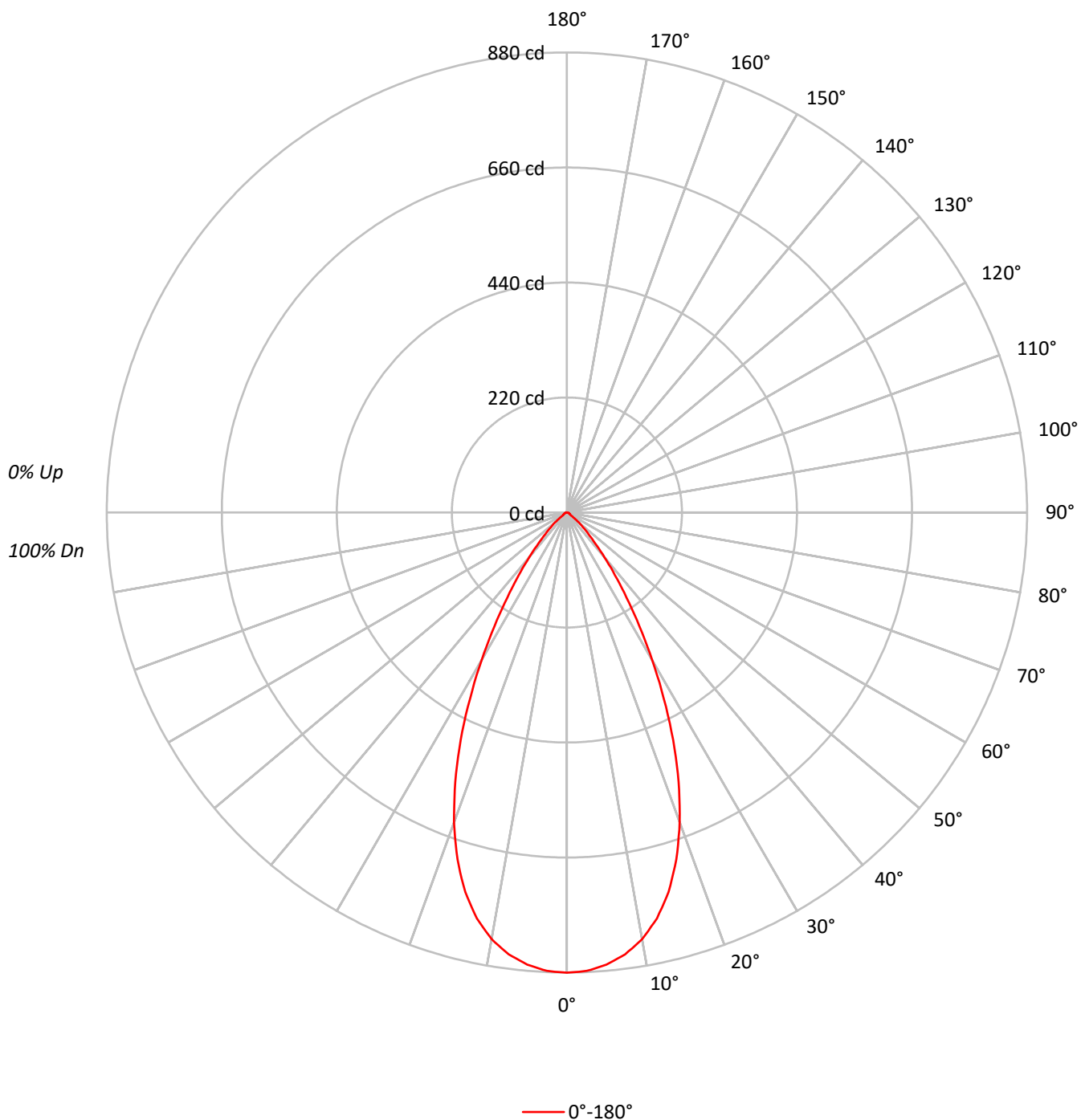
Lumens per Lamp: N/A
Luminaire Lumens: 702.9 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	95	90	86	92	88	85		89	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193033
5°	191085
10°	184521
15°	170557
20°	147176
25°	116257
30°	82468
35°	53164
40°	31946
45°	17986
50°	9688
55°	3441
60°	3114
65°	3009
70°	2885
75°	2711
80°	2399
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17986 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	11.6
10°-20°	207.8	29.6
20°-30°	217.7	31.0
30°-40°	127.0	18.1
40°-50°	47.5	6.8
50°-60°	11.2	1.6
60°-70°	5.7	0.8
70°-80°	3.4	0.5
80°-90°	0.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	507.1	72.1
0°-40°	634.2	90.2
0°-60°	692.9	98.6
0°-90°	702.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	880	
5°	868	82
15°	751	208
25°	480	218
35°	199	127
45°	58	48
55°	9	11
65°	6	6
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	880.3
2.5°	877.7
5°	868.1
7.5°	852.6
10°	828.7
12.5°	795.2
15°	751.3
17.5°	695.9
20°	630.7
22.5°	557.9
25°	480.5
27.5°	401.1
30°	325.7
32.5°	257.3
35°	198.6
37.5°	150.9
40°	111.6
42.5°	80.0
45°	58.0
47.5°	41.9
50°	28.4
52.5°	16.1
55°	9.0
57.5°	7.7
60°	7.1
62.5°	6.4
65°	5.8
67.5°	5.2
70°	4.5
72.5°	3.9
75°	3.2
77.5°	2.6
80°	1.9
82.5°	1.3
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)