

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: P1246046

Luminaire Tested: P3A05R209024DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R209024DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

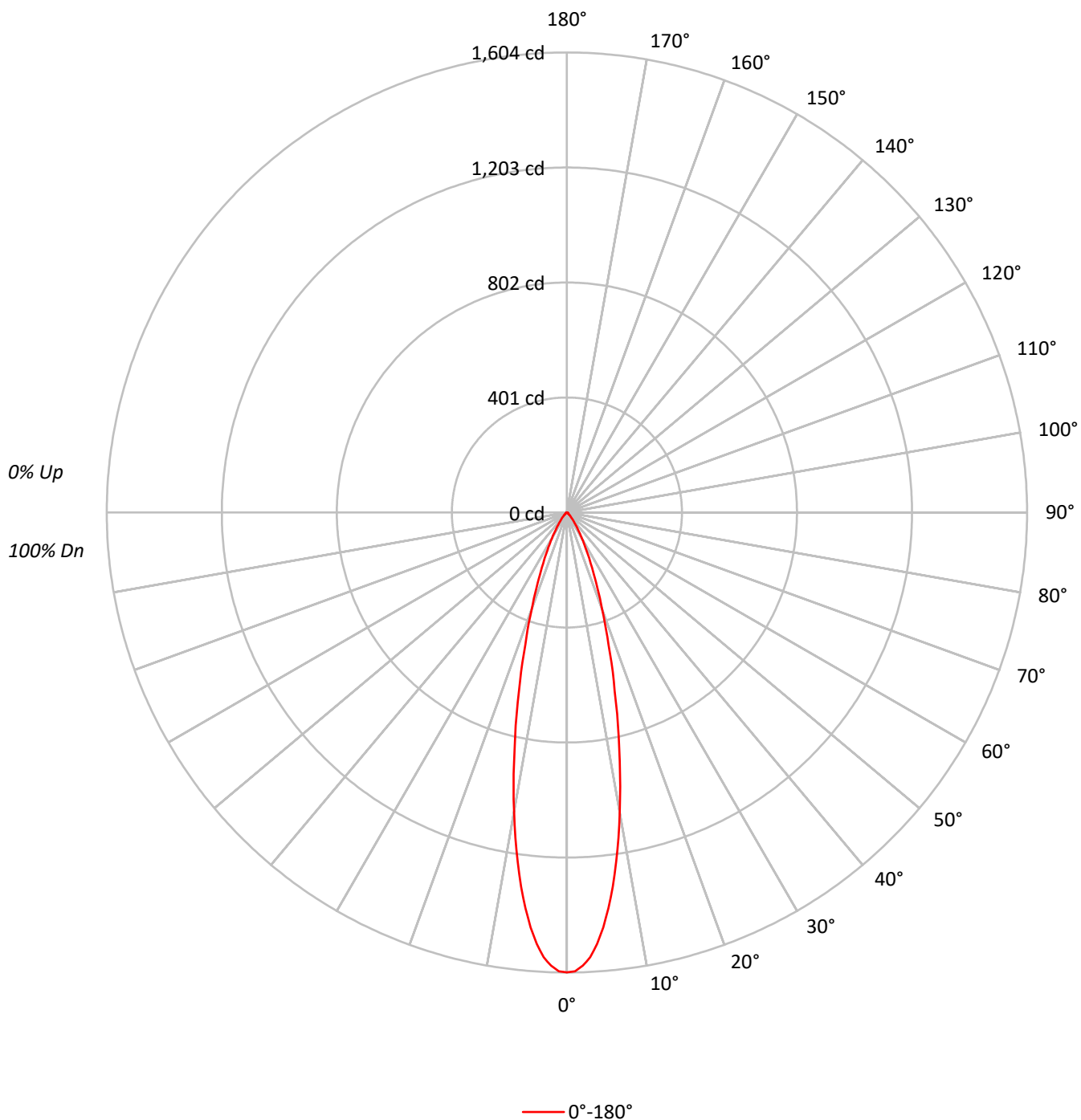
Lumens per Lamp: N/A
Luminaire Lumens: 457.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	351617
5°	319612
10°	236224
15°	146130
20°	83447
25°	47640
30°	26713
35°	14536
40°	7958
45°	4373
50°	2559
55°	1873
60°	1754
65°	1608
70°	1410
75°	1525
80°	1137
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4373 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	27.5
10°-20°	179.5	39.3
20°-30°	93.7	20.5
30°-40°	36.2	7.9
40°-50°	11.8	2.6
50°-60°	4.6	1.0
60°-70°	3.0	0.7
70°-80°	1.8	0.4
80°-90°	0.6	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°	398.9	87.3
0°-40°	435.2	95.2
0°-60°	451.5	98.8
0°-90°	457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1604	
5°	1452	126
15°	644	180
25°	197	94
35°	54	36
45°	14	12
55°	5	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1603.5
1°	1600.4
2°	1581.4
3°	1552.3
4°	1507.2
5°	1452.0
6°	1386.7
7°	1314.3
8°	1230.4
9°	1148.7
10°	1060.9
12.5°	843.2
15°	643.7
17.5°	481.7
20°	357.6
22.5°	264.9
25°	196.9
27.5°	145.2
30°	105.5
32.5°	76.4
35°	54.3
37.5°	39.3
40°	27.8
42.5°	19.9
45°	14.1
47.5°	10.2
50°	7.5
52.5°	5.7
55°	4.9
57.5°	4.4
60°	4.0
62.5°	3.5
65°	3.1
67.5°	2.6
70°	2.2
72.5°	2.2
75°	1.8
77.5°	1.3
80°	0.9
82.5°	0.9
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)