

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: P1245999

Luminaire Tested: P3A05R159024DE010 E3CB1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159024DE010 E3CB1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3CB1MB TRIM
Light Source: -
Ballast/Driver: -

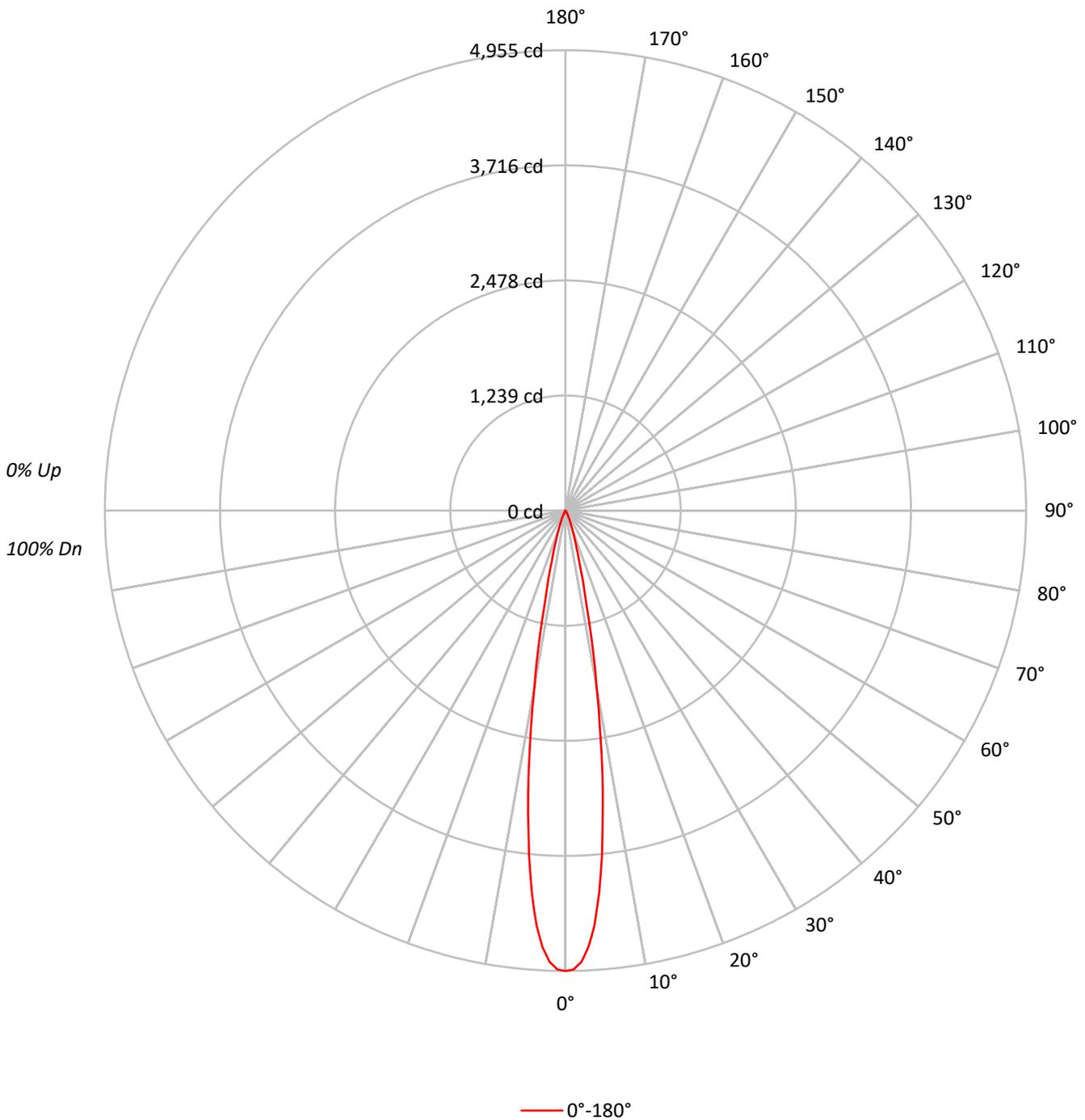
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 559.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	95	94	94	94	94
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	92	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91	91	91	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	89	89	89	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88	88
8	99	94	90	88	98	93	90	88	93	90	88	92	89	87	91	89	87	86	86	86	86
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	85	85	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	84	84	84	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1086558
5°	910651
10°	428961
15°	129331
20°	47861
25°	18606
30°	6938
35°	2142
40°	773
45°	403
50°	307
55°	344
60°	395
65°	208
70°	256
75°	339
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 403 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.8	57.2
10°-20°	190.1	34.0
20°-30°	39.9	7.1
30°-40°	6.5	1.2
40°-50°	1.1	0.2
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	549.9	98.4
0°-40°	556.4	99.5
0°-60°	558.3	99.9
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4955	
5°	4137	320
15°	570	190
25°	77	40
35°	8	6
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4955.1
1°	4939.7
2°	4861.0
3°	4703.7
4°	4473.0
5°	4137.1
6°	3742.4
7°	3291.2
8°	2860.3
9°	2372.4
10°	1926.5
12.5°	1039.5
15°	569.7
17.5°	333.7
20°	205.1
22.5°	125.5
25°	76.9
27.5°	46.4
30°	27.4
32.5°	15.5
35°	8.0
37.5°	4.4
40°	2.7
42.5°	1.8
45°	1.3
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)