

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: P1302991

Luminaire Tested: P3RT09R159024DE010 E3CBUS1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1302991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-85)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT09R159024DE010 E3CBUS1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

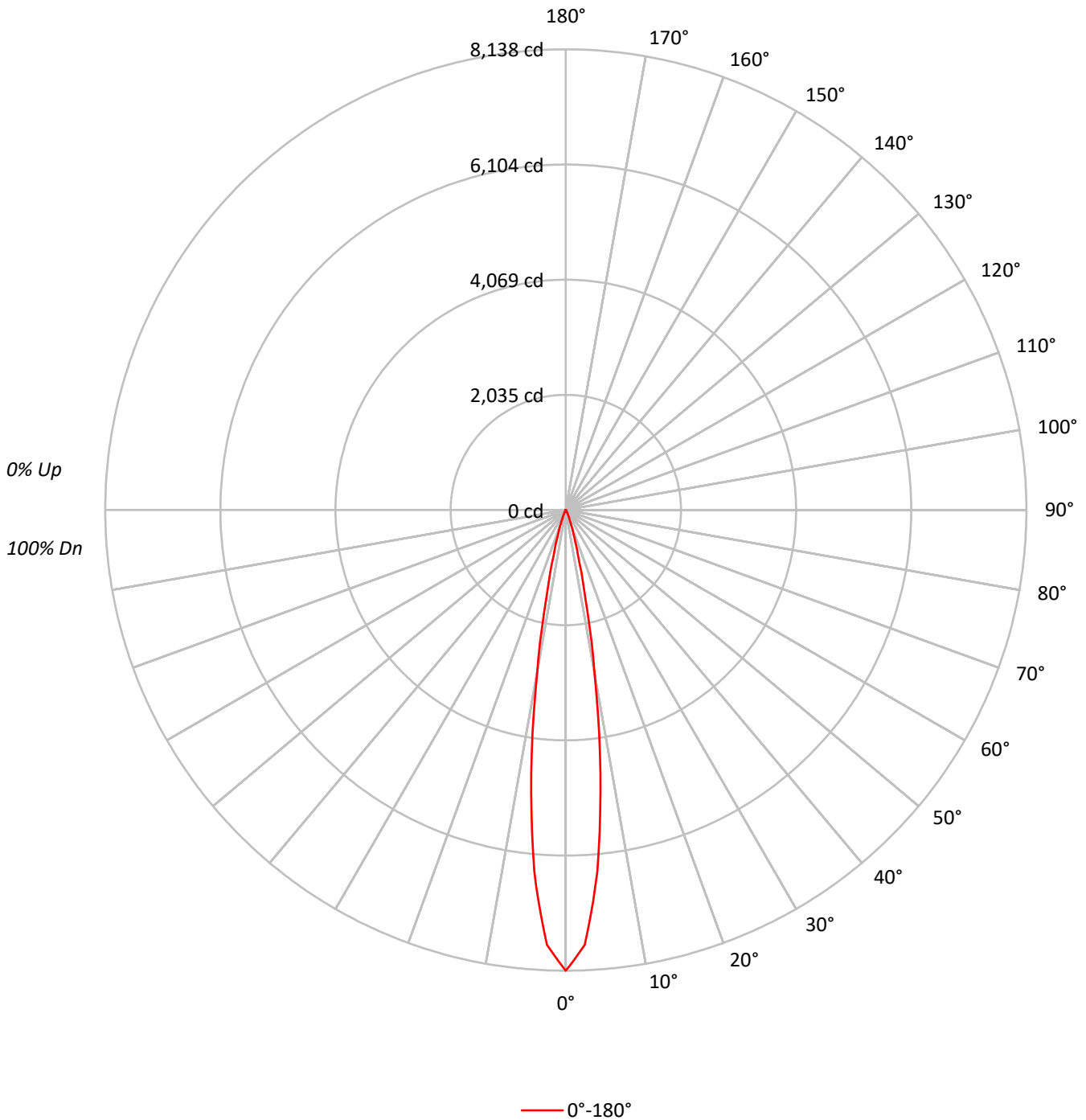
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 835.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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			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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	98	96
3	110	106	103	101	109	105	102	100	103	101	99	101	99	97	98	97	96	96	96	96	95
4	108	103	100	98	106	102	100	97	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	93	93	93	93	92
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	91	91	91	90
7	102	97	93	91	101	96	93	91	95	92	90	94	92	90	93	91	90	90	90	90	89
8	100	95	92	89	99	94	91	89	94	91	89	93	90	89	92	90	88	88	88	88	88
9	98	93	90	88	97	93	90	88	92	89	88	91	89	87	91	89	87	87	87	87	86
10	97	92	89	87	96	91	88	86	91	88	86	90	88	86	90	87	86	86	86	86	85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1784572
5°	1410584
10°	650556
15°	188423
20°	60532
25°	22719
30°	8508
35°	2623
40°	802
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 504 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.6	59.6
10°-20°	280.1	33.5
20°-30°	49.1	5.9
30°-40°	7.4	0.9
40°-50°	0.5	0.1
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	826.8	99.0
0°-40°	834.2	99.9
0°-60°	835.0	100.0
0°-90°	835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8138	
5°	6408	498
15°	830	280
25°	94	49
35°	10	7
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8138.3
2.5°	7685.5
5°	6408.3
7.5°	4679.7
10°	2921.7
12.5°	1580.0
15°	830.0
17.5°	459.8
20°	259.4
22.5°	151.4
25°	93.9
27.5°	57.5
30°	33.6
32.5°	15.4
35°	9.8
37.5°	5.6
40°	2.8
42.5°	1.4
45°	0.0
47.5°	0.0
50°	0.0
52.5°	1.4
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)