

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: P1305769

Luminaire Tested: P3SQAS09R359024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

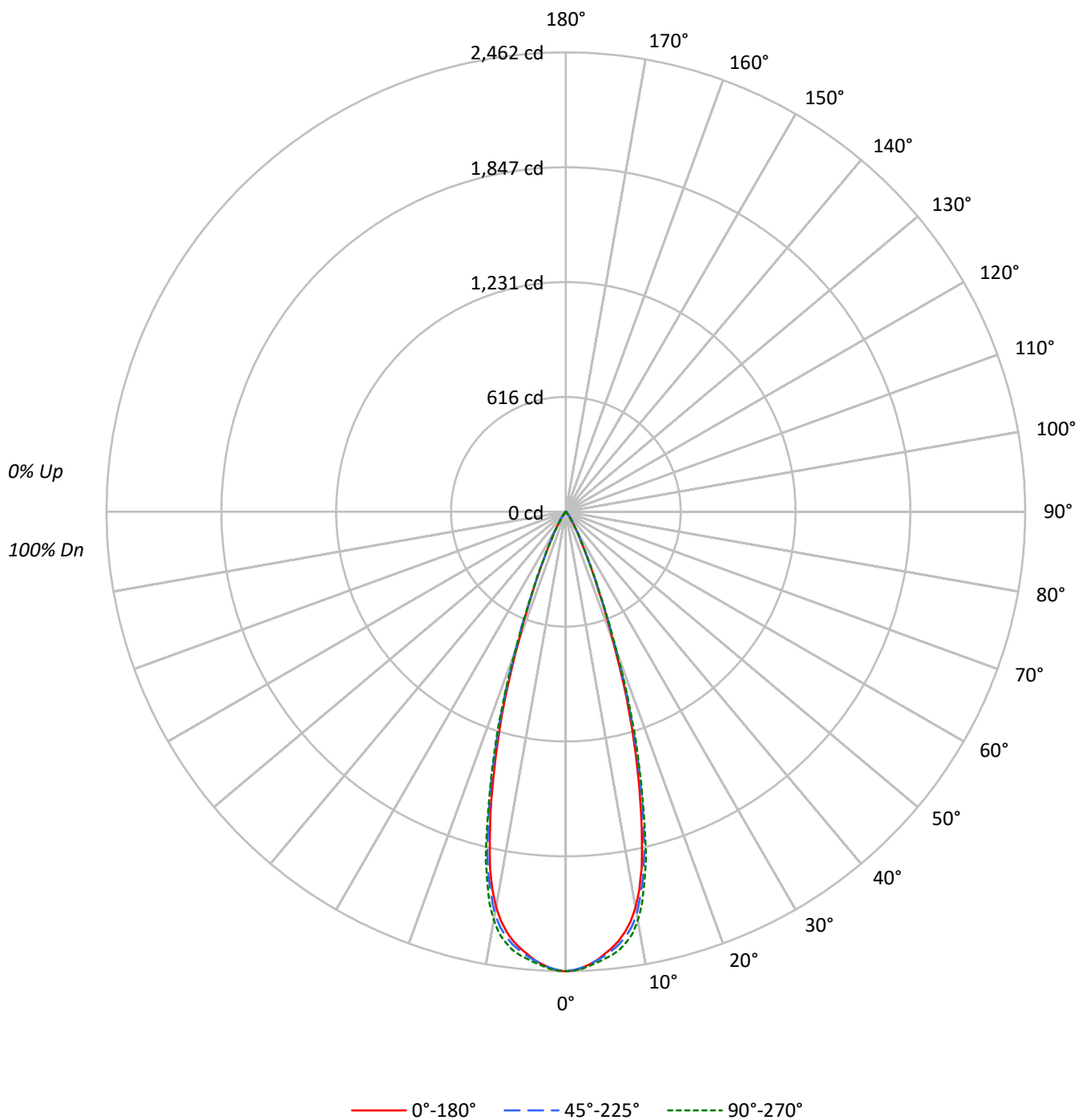
Lumens per Lamp: N/A
Luminaire Lumens: 826.9 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	80	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	424012	424012	424012
5°	411456	412908	415708
10°	376376	382934	388792
15°	270175	280070	282941
20°	135899	143816	144183
25°	51497	53093	53340
30°	20921	24003	20543
35°	7590	11542	7317
40°	3192	4924	3058
45°	779	2046	779
50°	509	857	509
55°	570	570	570
60°	654	654	654
65°	530	530	530
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	26.9
10°-20°	414.7	50.1
20°-30°	149.2	18.0
30°-40°	31.3	3.8
40°-50°	5.4	0.7
50°-60°	1.7	0.2
60°-70°	1.3	0.2
70°-80°	0.6	0.1
80°-90°	0.1	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°	786.4	95.1
0°-40°	817.8	98.9
0°-60°	824.9	99.8
0°-90°	826.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2462	2462	2462	2462	2462	
5°	2380	2384	2388	2405	2405	221
15°	1515	1542	1571	1588	1587	403
25°	271	275	279	282	281	144
35°	36	43	55	42	35	27
45°	3	5	8	5	3	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2462.0	2462.0	2462.0	2462.0	2462.0
1°	2460.7	2460.7	2455.5	2461.3	2459.4
2°	2447.1	2448.4	2445.2	2452.3	2451.7
3°	2428.4	2431.7	2429.1	2439.4	2436.2
4°	2408.4	2411.0	2409.7	2422.6	2421.3
5°	2380.0	2384.5	2388.4	2404.6	2404.6
6°	2351.0	2355.5	2363.9	2381.3	2387.1
7°	2317.4	2323.2	2336.8	2360.0	2363.9
8°	2274.8	2281.3	2300.0	2325.2	2330.3
9°	2221.9	2231.6	2252.9	2283.2	2286.5
10°	2152.2	2160.0	2189.7	2214.8	2223.2
11°	2061.9	2068.3	2094.8	2135.4	2140.6
12°	1952.2	1959.9	1994.1	2020.6	2025.7
13°	1813.4	1828.3	1869.6	1895.4	1909.6
14°	1670.8	1690.8	1720.5	1757.3	1748.2
15°	1515.3	1541.7	1570.8	1587.5	1586.9
17.5°	1133.9	1149.4	1175.2	1184.9	1197.8
20°	741.5	761.5	784.7	793.8	786.7
22.5°	460.1	465.3	472.4	476.3	475.0
25°	271.0	274.9	279.4	282.0	280.7
27.5°	163.3	172.3	178.8	171.0	166.5
30°	105.2	109.1	120.7	110.4	103.3
32.5°	62.6	71.6	81.3	69.1	60.0
35°	36.1	42.6	54.9	41.9	34.8
37.5°	23.2	26.5	35.5	25.8	22.6
40°	14.2	18.1	21.9	16.8	13.6
42.5°	7.1	11.0	12.9	9.7	7.1
45°	3.2	5.2	8.4	5.2	3.2
47.5°	1.9	2.6	5.2	2.6	1.9
50°	1.9	1.9	3.2	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)