

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: P1305735

Luminaire Tested: P3SQASS09R259024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS09R259024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

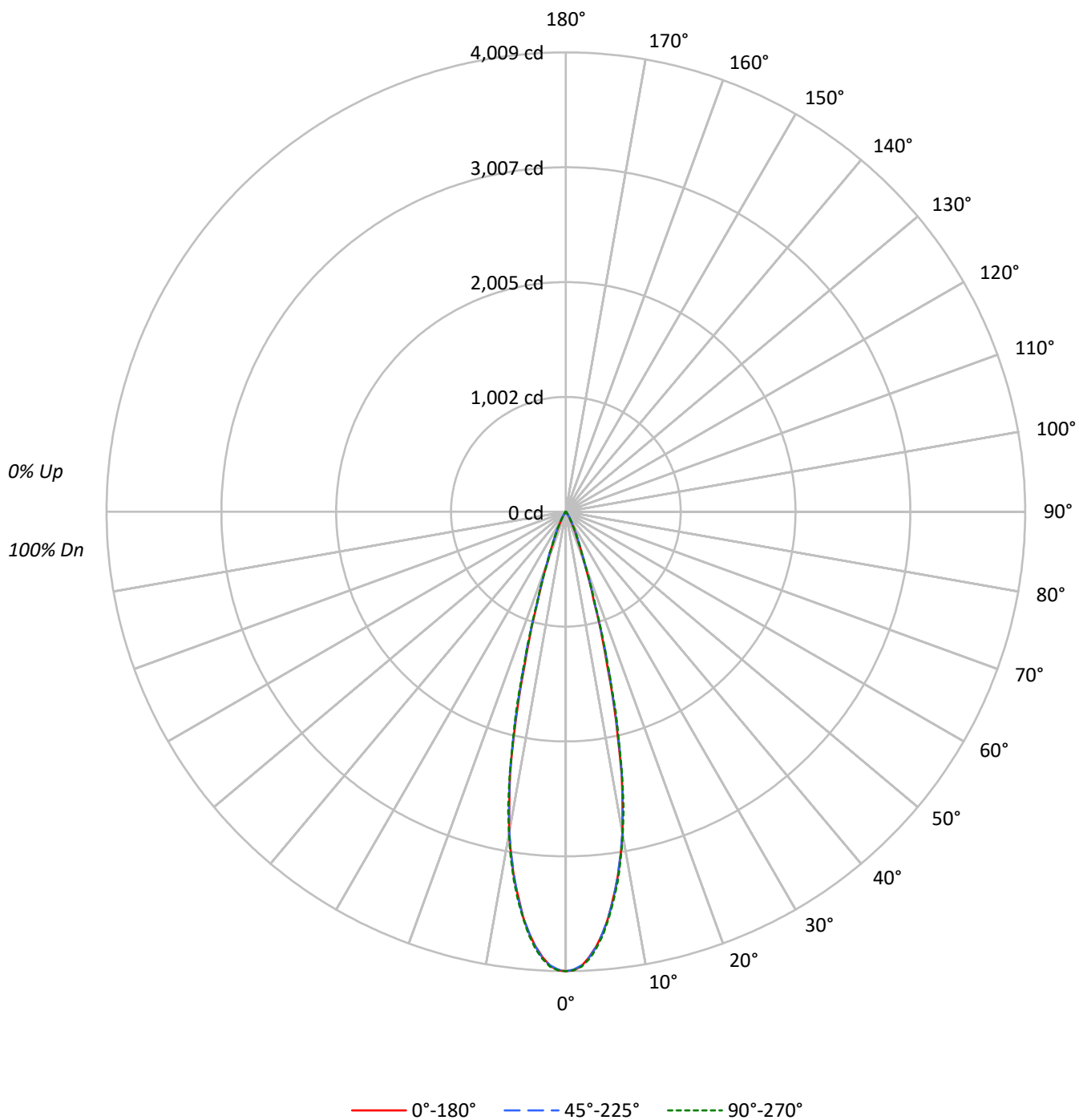
Lumens per Lamp: N/A
Luminaire Lumens: 846.9 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	690509	690509	690509
5°	637791	637566	641145
10°	498214	496868	500243
15°	250633	261117	260886
20°	85755	88119	86708
25°	34471	38765	35934
30°	14000	16685	13602
35°	4079	7338	4079
40°	1888	3192	1888
45°	633	1267	633
50°	348	509	348
55°	390	390	390
60°	448	448	448
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	595	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.3	38.4
10°-20°	398.1	47.0
20°-30°	97.3	11.5
30°-40°	20.1	2.4
40°-50°	3.5	0.4
50°-60°	1.2	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
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°	820.7	96.9
0°-40°	840.8	99.3
0°-60°	845.5	99.8
0°-90°	846.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3689	3692	3688	3696	3709	325
15°	1406	1430	1464	1471	1463	392
25°	181	190	204	192	189	93
35°	19	27	35	26	19	17
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
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°	4009.4	4009.4	4009.4	4009.4	4009.4
1°	4001.6	3996.5	3995.2	3995.8	4002.3
2°	3965.5	3962.3	3961.6	3963.5	3972.6
3°	3891.9	3895.8	3897.1	3903.5	3908.0
4°	3801.5	3809.3	3806.1	3813.8	3819.0
5°	3689.2	3692.5	3687.9	3695.7	3708.6
6°	3558.2	3546.6	3557.6	3560.8	3569.8
7°	3394.9	3397.5	3401.4	3405.3	3418.8
8°	3234.2	3226.5	3224.5	3242.6	3253.6
9°	3046.4	3047.7	3040.6	3061.2	3064.5
10°	2848.9	2832.8	2841.2	2857.3	2860.5
11°	2588.1	2583.6	2595.9	2621.1	2641.1
12°	2343.5	2346.1	2359.0	2367.4	2362.9
13°	2020.2	2039.5	2055.7	2064.1	2053.1
14°	1727.8	1727.8	1748.5	1751.7	1791.0
15°	1405.7	1429.6	1464.5	1470.9	1463.2
17.5°	811.9	815.2	831.9	831.3	843.6
20°	467.9	472.4	480.8	478.9	473.1
22.5°	281.4	291.1	311.1	295.0	290.4
25°	181.4	189.8	204.0	192.3	189.1
27.5°	113.6	119.4	130.4	120.0	114.9
30°	70.4	73.6	83.9	74.2	68.4
32.5°	38.1	46.5	54.9	46.5	38.1
35°	19.4	27.1	34.9	26.5	19.4
37.5°	12.9	15.5	22.6	14.8	12.9
40°	8.4	10.3	14.2	10.3	8.4
42.5°	4.5	6.5	7.7	7.1	4.5
45°	2.6	3.9	5.2	3.9	2.6
47.5°	1.9	1.9	3.2	1.9	1.3
50°	1.3	1.3	1.9	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	0.6	1.3	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
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°	0.0	0.0	0.6	0.0	0.0
82.5°	0.0	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)