

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: P1317816

Luminaire Tested: P3SQAS09R209835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

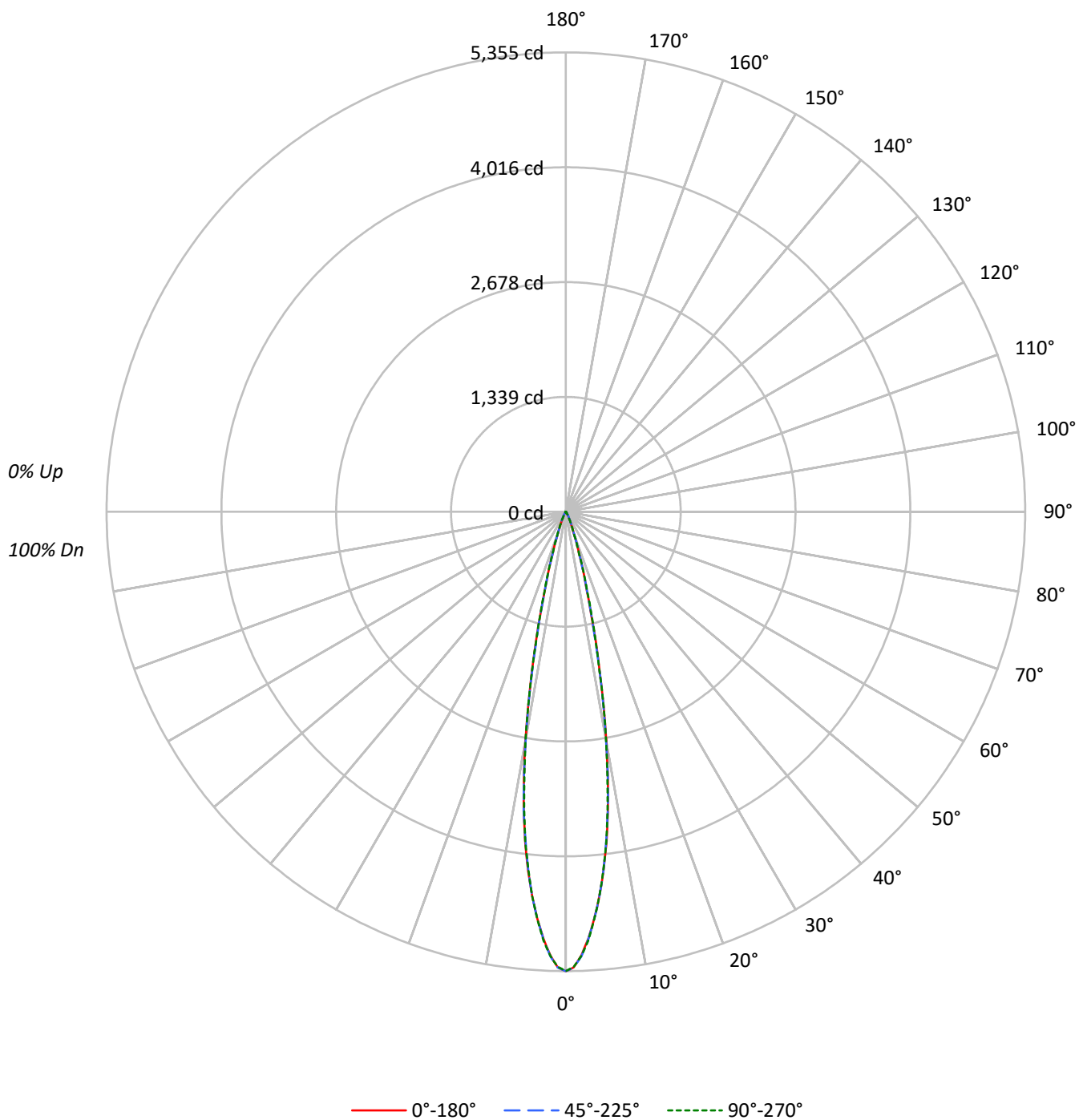
Lumens per Lamp: N/A
Luminaire Lumens: 738.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		87
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	922321	922321	922321
5°	777374	777668	777271
10°	473713	471510	472612
15°	166869	167582	172771
20°	52435	53901	52747
25°	19649	21492	20181
30°	7617	10779	7955
35°	2880	4794	3112
40°	1551	2046	1551
45°	560	974	706
50°	295	455	295
55°	330	330	330
60°	207	207	207
65°	245	245	245
70°	302	302	302
75°	0	0	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 974 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.8	50.4
10°-20°	291.5	39.5
20°-30°	57.2	7.8
30°-40°	12.8	1.7
40°-50°	2.9	0.4
50°-60°	0.9	0.1
60°-70°	0.6	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°	720.5	97.6
0°-40°	733.4	99.4
0°-60°	737.2	99.9
0°-90°	738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5355	5355	5355	5355	5355	
5°	4497	4501	4498	4514	4496	372
15°	936	940	940	960	969	291
25°	103	110	113	111	106	54
35°	14	17	23	17	15	10
45°	2	3	4	3	3	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
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°	5355.4	5355.4	5355.4	5355.4	5355.4
1°	5312.0	5300.5	5313.7	5303.4	5305.7
2°	5174.4	5168.1	5185.2	5174.4	5180.1
3°	4983.1	4975.1	4987.6	4988.2	5004.2
4°	4754.7	4739.3	4758.1	4758.7	4761.5
5°	4496.6	4500.6	4498.3	4513.7	4496.0
6°	4206.5	4219.7	4202.5	4211.1	4186.5
7°	3882.2	3865.6	3857.1	3859.9	3877.1
8°	3524.2	3512.8	3525.3	3507.6	3495.6
9°	3126.2	3106.2	3119.9	3102.8	3085.7
10°	2708.8	2699.7	2696.2	2676.8	2702.5
11°	2290.3	2262.9	2276.6	2266.8	2294.8
12°	1898.6	1900.8	1874.0	1882.6	1886.0
13°	1545.1	1508.6	1513.1	1536.5	1540.5
14°	1198.5	1203.7	1205.4	1221.9	1231.6
15°	935.9	939.9	939.9	960.4	969.0
17.5°	501.9	501.9	512.8	515.0	516.2
20°	286.1	287.8	294.1	293.5	287.8
22.5°	171.3	174.7	178.2	174.7	171.3
25°	103.4	110.2	113.1	111.3	106.2
27.5°	61.7	69.1	77.1	70.8	61.1
30°	38.3	42.3	54.2	43.4	40.0
32.5°	21.1	27.4	37.1	28.5	21.7
35°	13.7	16.6	22.8	16.6	14.8
37.5°	9.7	11.4	14.3	12.0	10.3
40°	6.9	8.0	9.1	8.6	6.9
42.5°	4.6	5.7	6.3	5.7	4.6
45°	2.3	3.4	4.0	3.4	2.9
47.5°	1.1	1.7	2.9	1.7	1.1
50°	1.1	1.1	1.7	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	0.6	1.1	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	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°	0.0	0.0	0.0	0.0	0.6
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	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)