

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: P1307015

Luminaire Tested: P3SQAS17R209027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307015
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: P3SQAS17R209027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

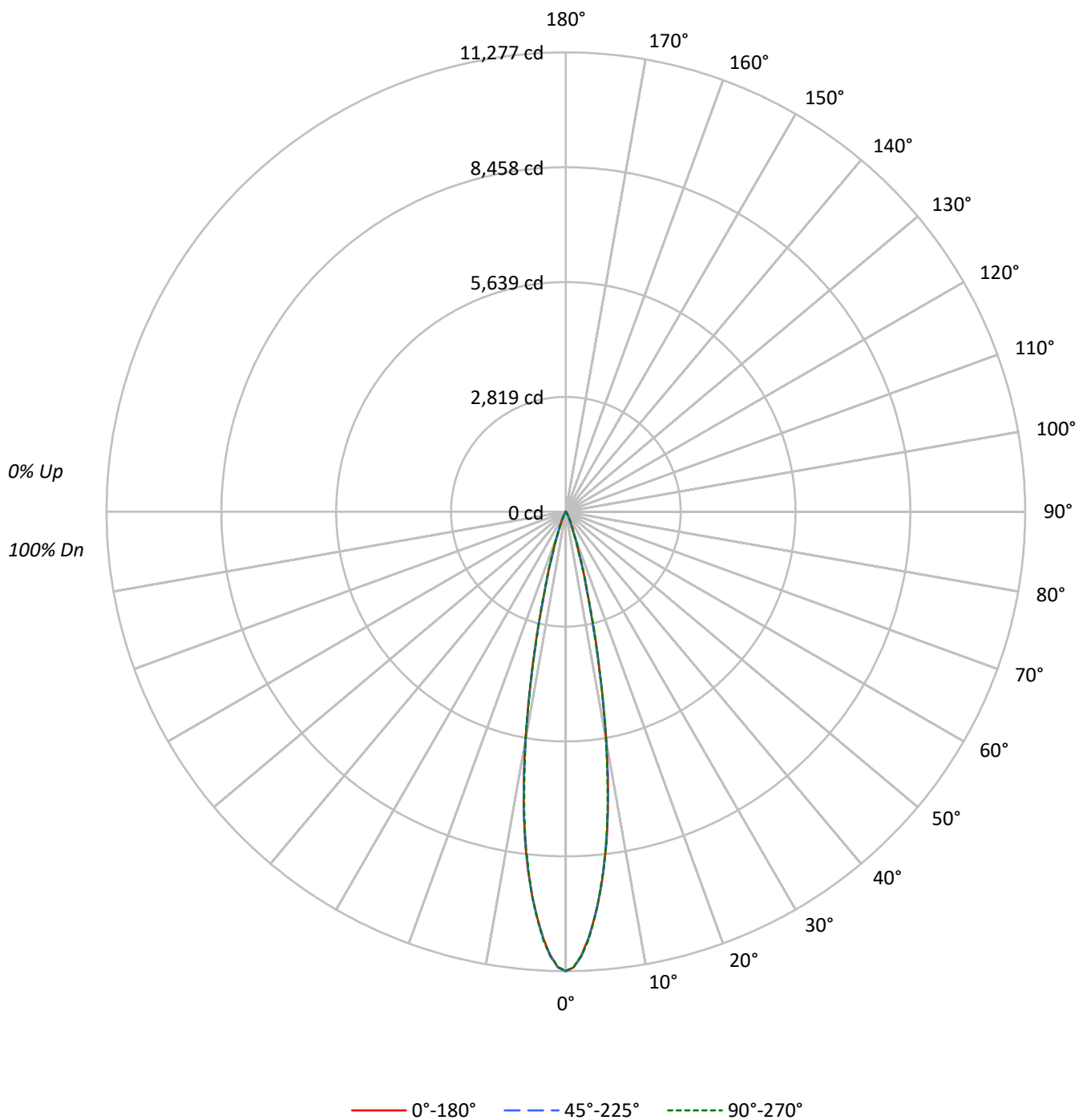
Lumens per Lamp: N/A
Luminaire Lumens: 1554.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1942103	1942103	1942103
5°	1636902	1637524	1636694
10°	997495	992861	995187
15°	351354	352852	363799
20°	110405	113484	111065
25°	41350	45245	42490
30°	16029	22710	16744
35°	6076	10113	6581
40°	3237	4317	3237
45°	1169	2046	1461
50°	643	965	643
55°	721	721	721
60°	413	413	413
65°	489	489	489
70°	604	604	604
75°	0	0	799
80°	0	0	0
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°	782.8	50.4
10°-20°	613.8	39.5
20°-30°	120.5	7.8
30°-40°	27.0	1.7
40°-50°	6.1	0.4
50°-60°	1.9	0.1
60°-70°	1.2	0.1
70°-80°	0.5	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°	1517.2	97.6
0°-40°	1544.2	99.4
0°-60°	1552.3	99.9
0°-90°	1554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11277	11277	11277	11277	11277	
5°	9468	9477	9472	9504	9467	784
15°	1971	1979	1979	2022	2040	613
25°	218	232	238	234	224	115
35°	29	35	48	35	31	21
45°	5	7	8	7	6	5
55°	2	2	2	2	2	2
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°	11276.7	11276.7	11276.7	11276.7	11276.7
1°	11185.4	11161.3	11189.0	11167.3	11172.1
2°	10895.6	10882.4	10918.4	10895.6	10907.6
3°	10492.8	10476.0	10502.4	10503.6	10537.3
4°	10011.9	9979.4	10019.1	10020.3	10026.3
5°	9468.4	9476.8	9472.0	9504.5	9467.2
6°	8857.6	8885.3	8849.2	8867.2	8815.5
7°	8174.7	8139.8	8121.8	8127.8	8163.9
8°	7420.8	7396.8	7423.2	7386.0	7360.7
9°	6582.8	6540.7	6569.6	6533.5	6497.4
10°	5703.9	5684.7	5677.4	5636.6	5690.7
11°	4822.6	4764.9	4793.7	4773.3	4832.2
12°	3997.8	4002.6	3946.1	3964.1	3971.3
13°	3253.5	3176.6	3186.2	3235.5	3243.9
14°	2523.7	2534.5	2538.1	2573.0	2593.4
15°	1970.6	1979.0	1979.0	2022.3	2040.4
17.5°	1056.9	1056.9	1079.7	1084.5	1086.9
20°	602.4	606.0	619.2	618.0	606.0
22.5°	360.7	367.9	375.1	367.9	360.7
25°	217.6	232.1	238.1	234.5	223.6
27.5°	129.9	145.5	162.3	149.1	128.7
30°	80.6	89.0	114.2	91.4	84.2
32.5°	44.5	57.7	78.2	60.1	45.7
35°	28.9	34.9	48.1	34.9	31.3
37.5°	20.4	24.0	30.1	25.2	21.6
40°	14.4	16.8	19.2	18.0	14.4
42.5°	9.6	12.0	13.2	12.0	9.6
45°	4.8	7.2	8.4	7.2	6.0
47.5°	2.4	3.6	6.0	3.6	2.4
50°	2.4	2.4	3.6	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	1.2	2.4	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	1.2
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)