

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: P1309721

Luminaire Tested: P3SQAS02R209040DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209040DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

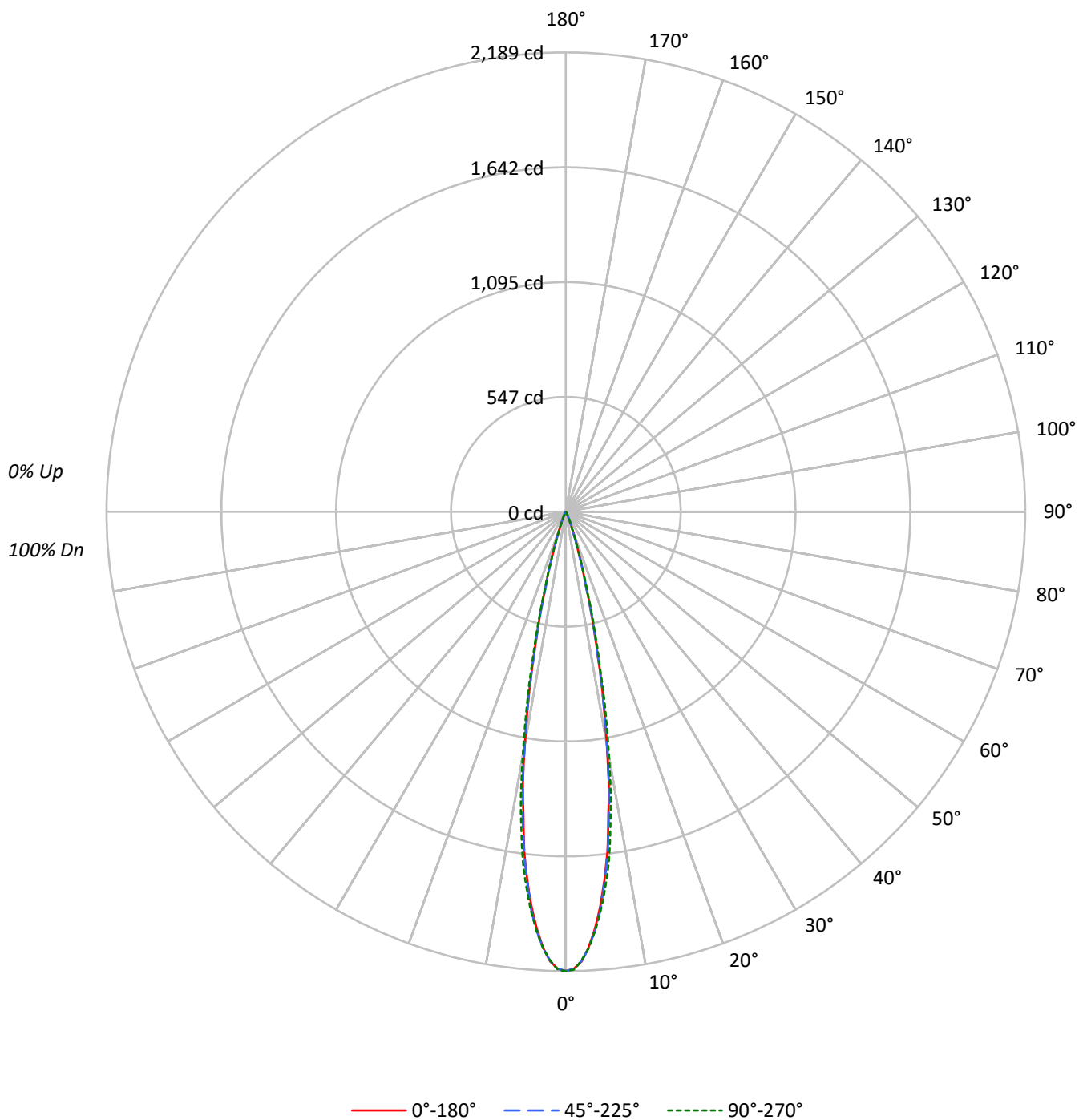
Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	84	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	376978	376978	376978
5°	325672	328698	329925
10°	196040	197876	207722
15°	67807	66220	71497
20°	17814	16751	16806
25°	3877	4675	5321
30°	1670	1670	1710
35°	946	820	883
40°	405	472	540
45°	122	195	195
50°	80	80	80
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	53.2
10°-20°	119.2	40.5
20°-30°	14.7	5.0
30°-40°	2.8	0.9
40°-50°	0.7	0.2
50°-60°	0.0	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°	290.5	98.8
0°-40°	293.3	99.8
0°-60°	294.0	100.0
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2189	2189	2189	2189	2189	
5°	1884	1882	1901	1900	1908	155
15°	380	367	371	394	401	119
25°	20	23	25	26	28	14
35°	4	4	4	4	4	3
45°	0	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	2188.9	2188.9	2188.9	2188.9	2188.9
1°	2178.7	2176.1	2178.2	2173.7	2182.9
2°	2143.9	2141.2	2141.2	2138.6	2139.9
3°	2078.9	2083.1	2080.5	2075.0	2082.1
4°	1990.4	1995.1	1999.3	1999.5	2000.6
5°	1883.8	1882.5	1901.3	1900.0	1908.4
6°	1762.2	1760.7	1768.8	1782.4	1799.2
7°	1628.7	1609.5	1631.3	1658.8	1681.3
8°	1455.8	1460.8	1475.7	1508.2	1526.2
9°	1309.1	1280.0	1311.7	1350.5	1370.1
10°	1121.0	1097.5	1131.5	1172.4	1187.8
12.5°	705.6	685.2	696.2	739.2	746.0
15°	380.3	366.7	371.4	393.7	401.0
17.5°	194.1	181.8	179.2	193.3	194.9
20°	97.2	94.3	91.4	92.7	91.7
22.5°	45.1	49.0	48.5	45.8	49.0
25°	20.4	23.3	24.6	25.7	28.0
27.5°	12.6	12.0	13.9	14.9	15.2
30°	8.4	8.1	8.4	8.6	8.6
32.5°	6.0	5.8	5.5	5.5	5.8
35°	4.5	4.5	3.9	4.2	4.2
37.5°	3.1	3.1	2.9	3.1	3.1
40°	1.8	2.1	2.1	2.1	2.4
42.5°	1.0	1.3	1.3	1.3	1.3
45°	0.5	0.8	0.8	0.8	0.8
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)