

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: P1307977

Luminaire Tested: P3SQAS13R209030DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307977
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: P3SQAS13R209030DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

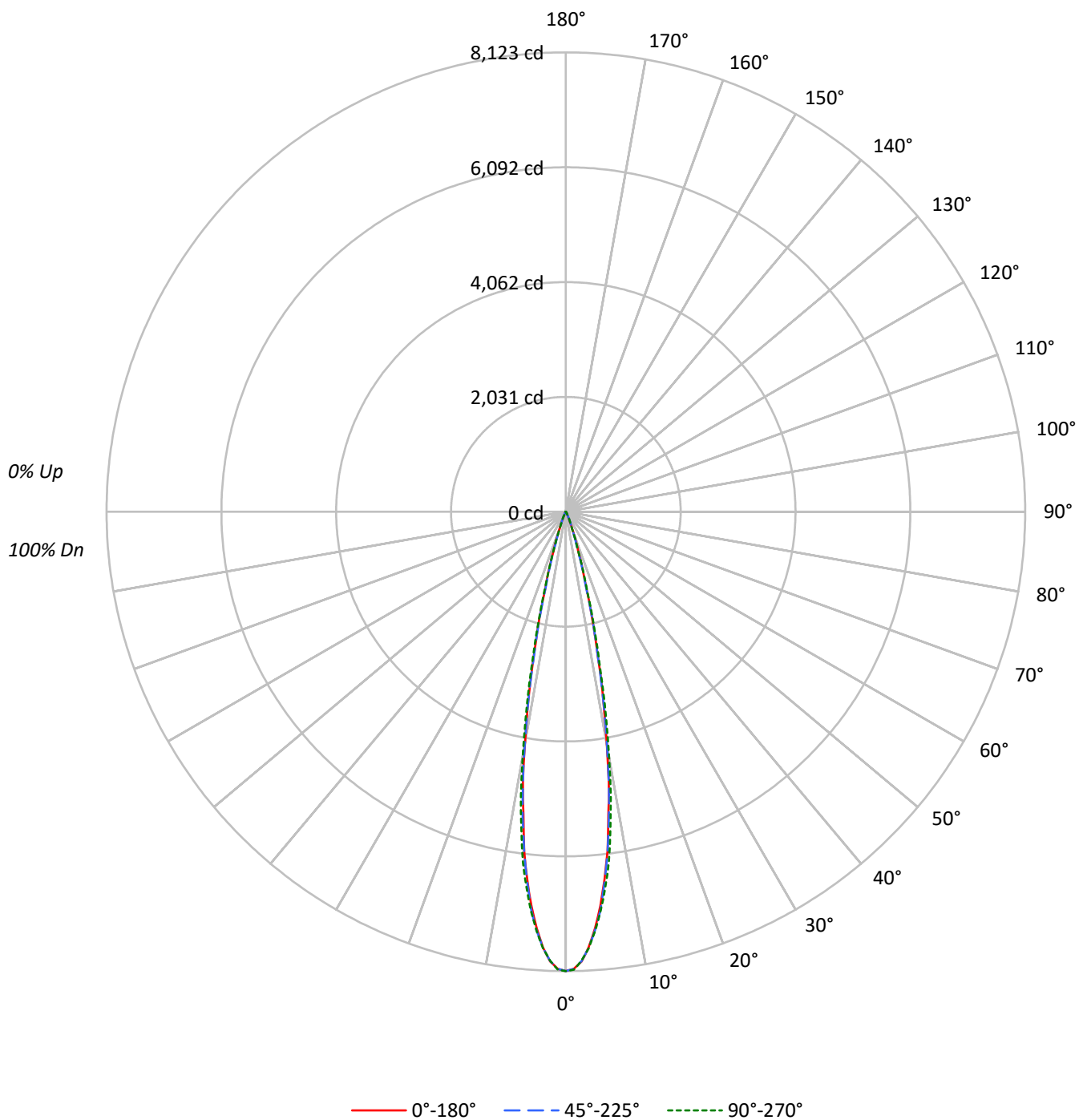
Lumens per Lamp: N/A
Luminaire Lumens: 1091.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1398930	1398930	1398930
5°	1208521	1219776	1224305
10°	727516	734301	770851
15°	251632	245748	265325
20°	66089	62167	62350
25°	14404	17368	19763
30°	6185	6185	6384
35°	3469	3070	3280
40°	1529	1754	1956
45°	463	706	706
50°	268	268	268
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: 706 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.0	53.3
10°-20°	442.3	40.5
20°-30°	54.7	5.0
30°-40°	10.4	0.9
40°-50°	2.5	0.2
50°-60°	0.2	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°	1078.0	98.8
0°-40°	1088.4	99.8
0°-60°	1091.0	100.0
0°-90°	1091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8123	8123	8123	8123	8123	
5°	6990	6986	7056	7051	7082	577
15°	1411	1361	1378	1461	1488	442
25°	76	86	91	95	104	52
35°	16	16	15	16	16	11
45°	2	3	3	3	3	2
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°	8122.8	8122.8	8122.8	8122.8	8122.8
1°	8084.9	8075.2	8083.0	8066.4	8100.5
2°	7955.6	7945.9	7945.9	7936.2	7941.1
3°	7714.6	7730.1	7720.4	7700.0	7726.2
4°	7386.1	7403.6	7419.1	7420.1	7424.0
5°	6990.5	6985.6	7055.6	7050.7	7081.8
6°	6539.5	6533.6	6563.8	6614.3	6676.5
7°	6043.8	5972.8	6053.5	6155.5	6239.1
8°	5402.3	5420.7	5476.1	5596.6	5663.7
9°	4857.9	4750.1	4867.7	5011.5	5084.4
10°	4160.1	4072.6	4198.9	4350.6	4407.9
12.5°	2618.5	2542.7	2583.5	2742.9	2768.2
15°	1411.3	1360.8	1378.3	1460.9	1488.1
17.5°	720.2	674.6	664.8	717.3	723.2
20°	360.6	349.9	339.2	344.1	340.2
22.5°	167.2	181.8	179.8	170.1	181.8
25°	75.8	86.5	91.4	95.3	104.0
27.5°	46.7	44.7	51.5	55.4	56.4
30°	31.1	30.1	31.1	32.1	32.1
32.5°	22.4	21.4	20.4	20.4	21.4
35°	16.5	16.5	14.6	15.6	15.6
37.5°	11.7	11.7	10.7	11.7	11.7
40°	6.8	7.8	7.8	7.8	8.7
42.5°	3.9	4.9	4.9	4.9	4.9
45°	1.9	2.9	2.9	2.9	2.9
47.5°	1.0	1.0	1.0	1.9	1.9
50°	1.0	1.0	1.0	1.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
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)