

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: P1312554

Luminaire Tested: P3SQAS17R209727DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312554
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: P3SQAS17R209727DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

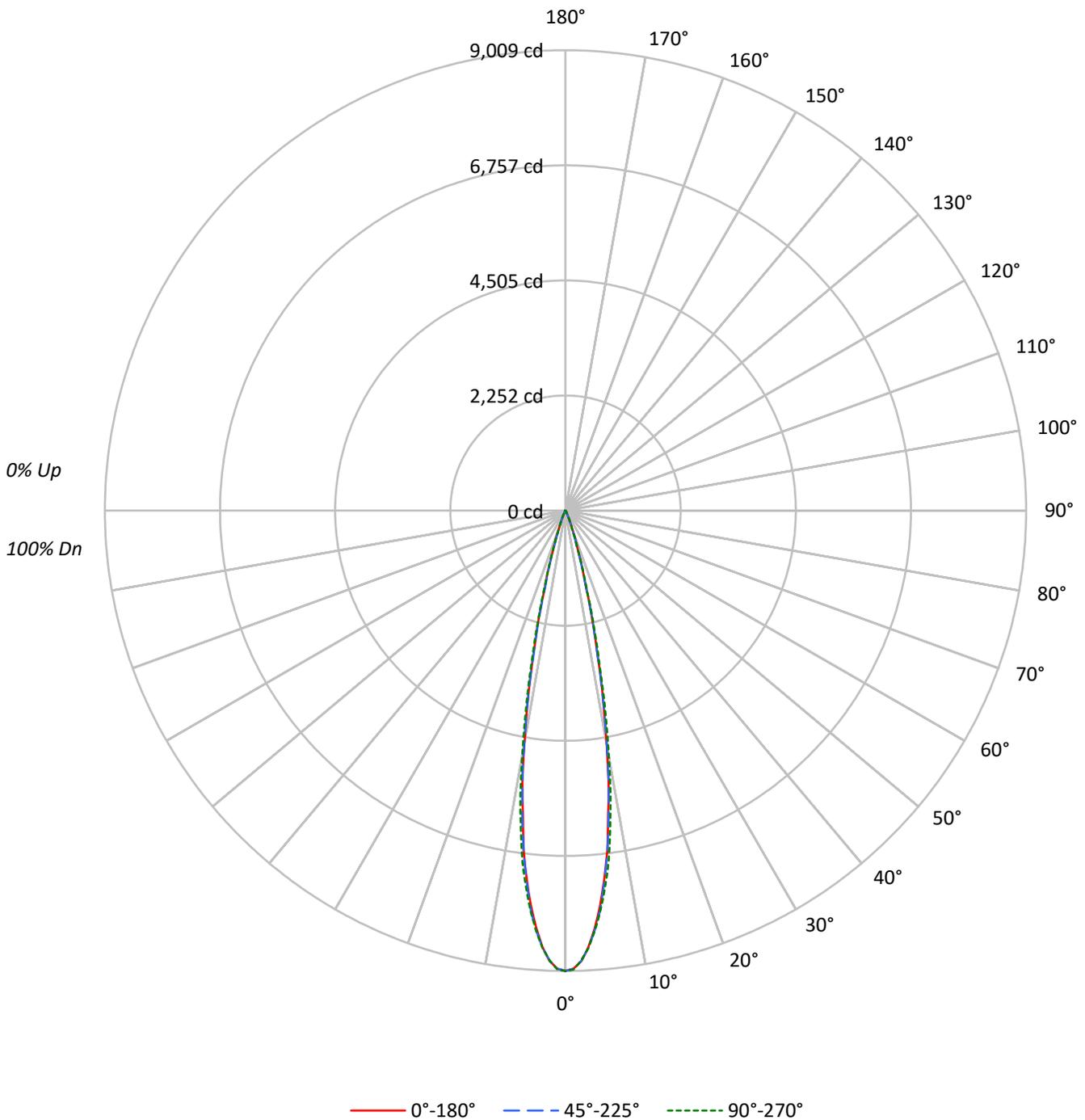
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 57.1 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1551519	1551519	1551519
5°	1340325	1352825	1357855
10°	806859	814396	854933
15°	279072	272546	294263
20°	73292	68948	69150
25°	15981	19250	21910
30°	6861	6861	7080
35°	3847	3406	3616
40°	1686	1933	2181
45°	536	779	779
50°	295	295	295
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: 779 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.3	53.3
10°-20°	490.6	40.5
20°-30°	60.7	5.0
30°-40°	11.5	0.9
40°-50°	2.8	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°	1195.6	98.8
0°-40°	1207.0	99.8
0°-60°	1210.0	100.0
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9009	9009	9009	9009	9009	
5°	7753	7748	7825	7820	7854	639
15°	1565	1509	1529	1620	1650	490
25°	84	96	101	106	115	58
35°	18	18	16	17	17	12
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9008.8	9008.8	9008.8	9008.8	9008.8
1°	8966.8	8956.0	8964.6	8946.3	8984.0
2°	8823.4	8812.6	8812.6	8801.8	8807.2
3°	8556.0	8573.3	8562.5	8539.9	8569.0
4°	8191.7	8211.1	8228.3	8229.4	8233.7
5°	7752.9	7747.6	7825.2	7819.8	7854.3
6°	7252.8	7246.3	7279.7	7335.8	7404.7
7°	6703.0	6624.3	6713.8	6826.9	6919.7
8°	5991.5	6012.0	6073.4	6207.1	6281.5
9°	5387.8	5268.2	5398.6	5558.1	5639.0
10°	4613.8	4516.8	4656.9	4825.1	4888.7
12.5°	2904.1	2820.0	2865.3	3042.1	3070.1
15°	1565.2	1509.2	1528.6	1620.2	1650.4
17.5°	798.8	748.1	737.3	795.6	802.0
20°	399.9	388.1	376.2	381.6	377.3
22.5°	185.4	201.6	199.4	188.6	201.6
25°	84.1	95.9	101.3	105.6	115.3
27.5°	51.7	49.6	57.1	61.4	62.5
30°	34.5	33.4	34.5	35.6	35.6
32.5°	24.8	23.7	22.6	22.6	23.7
35°	18.3	18.3	16.2	17.2	17.2
37.5°	12.9	12.9	11.9	12.9	12.9
40°	7.5	8.6	8.6	8.6	9.7
42.5°	4.3	5.4	5.4	5.4	5.4
45°	2.2	3.2	3.2	3.2	3.2
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)