

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: P1311290

Luminaire Tested: P3SQAS13R209050DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311290  
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: P3SQAS13R209050DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

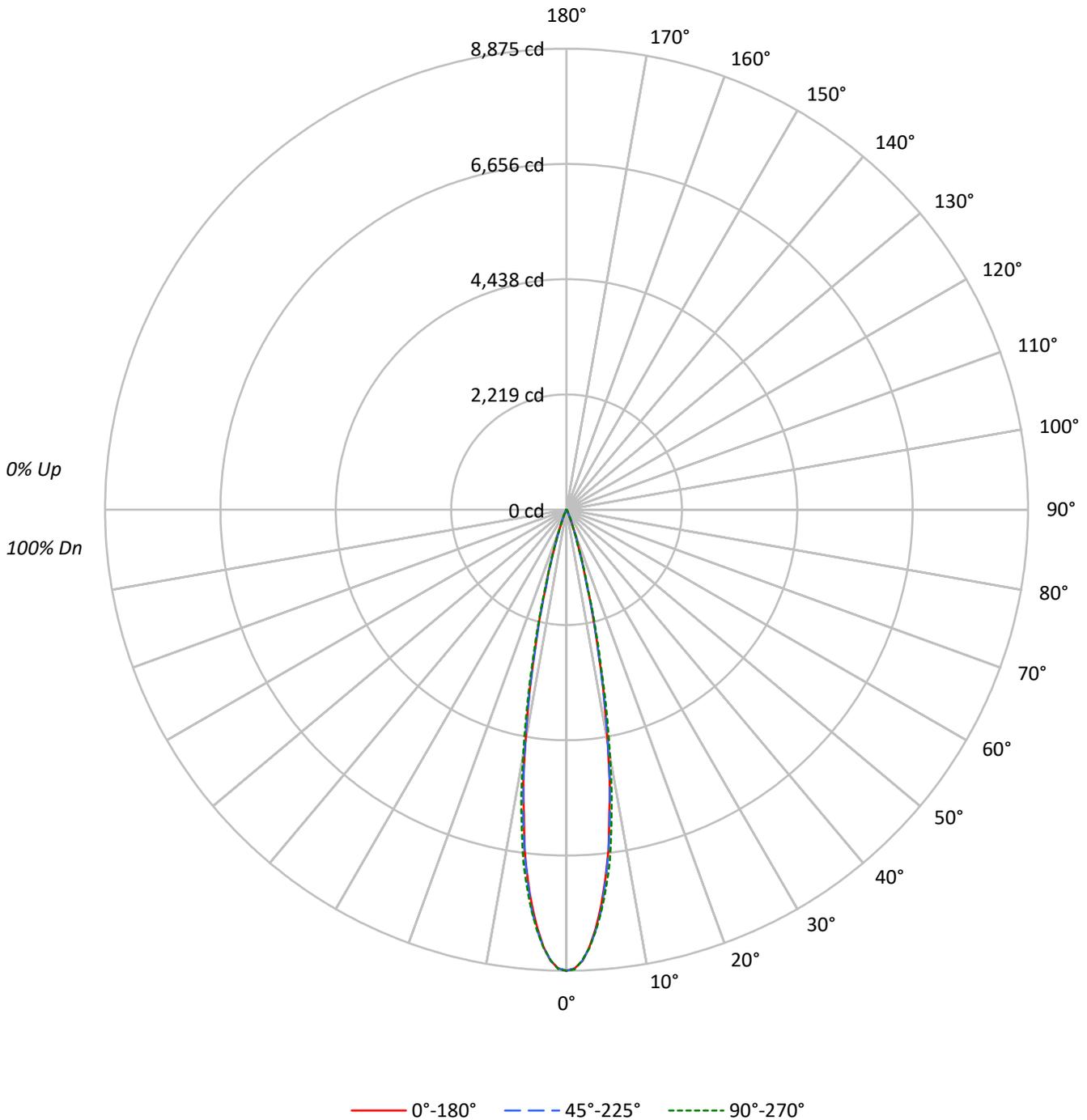
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1192.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 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			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	95	96	95	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°	1528441	1528441	1528441
5°	1320392	1332701	1337646
10°	794862	802294	842219
15°	274936	268499	289895
20°	72211	67922	68124
25°	15734	18965	21587
30°	6761	6761	6960
35°	3805	3343	3574
40°	1664	1911	2158
45°	511	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°	634.8	53.3
10°-20°	483.3	40.5
20°-30°	59.8	5.0
30°-40°	11.3	0.9
40°-50°	2.7	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°	1177.8	98.8
0°-40°	1189.1	99.8
0°-60°	1192.0	100.0
0°-90°	1192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8875	8875	8875	8875	8875	
5°	7638	7632	7709	7703	7737	630
15°	1542	1487	1506	1596	1626	483
25°	83	94	100	104	114	57
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°	8874.8	8874.8	8874.8	8874.8	8874.8
1°	8833.4	8822.8	8831.2	8813.2	8850.4
2°	8692.1	8681.5	8681.5	8670.9	8676.2
3°	8428.8	8445.8	8435.1	8412.8	8441.5
4°	8069.8	8088.9	8105.9	8107.0	8111.2
5°	7637.6	7632.3	7708.8	7703.4	7737.4
6°	7144.9	7138.5	7171.4	7226.6	7294.6
7°	6603.3	6525.7	6613.9	6725.4	6816.7
8°	5902.4	5922.5	5983.1	6114.8	6188.0
9°	5307.7	5189.8	5318.3	5475.5	5555.1
10°	4545.2	4449.6	4587.7	4753.3	4816.0
12.5°	2860.9	2778.1	2822.7	2996.8	3024.5
15°	1542.0	1486.7	1505.9	1596.1	1625.9
17.5°	786.9	737.0	726.4	783.7	790.1
20°	394.0	382.3	370.6	375.9	371.7
22.5°	182.7	198.6	196.5	185.8	198.6
25°	82.8	94.5	99.8	104.1	113.6
27.5°	51.0	48.9	56.3	60.5	61.6
30°	34.0	32.9	34.0	35.0	35.0
32.5°	24.4	23.4	22.3	22.3	23.4
35°	18.1	18.1	15.9	17.0	17.0
37.5°	12.7	12.7	11.7	12.7	12.7
40°	7.4	8.5	8.5	8.5	9.6
42.5°	4.2	5.3	5.3	5.3	5.3
45°	2.1	3.2	3.2	3.2	3.2
47.5°	1.1	1.1	1.1	2.1	2.1
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)