

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: P1310372

Luminaire Tested: P3SQAS17R209040DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310372
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: P3SQAS17R209040DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

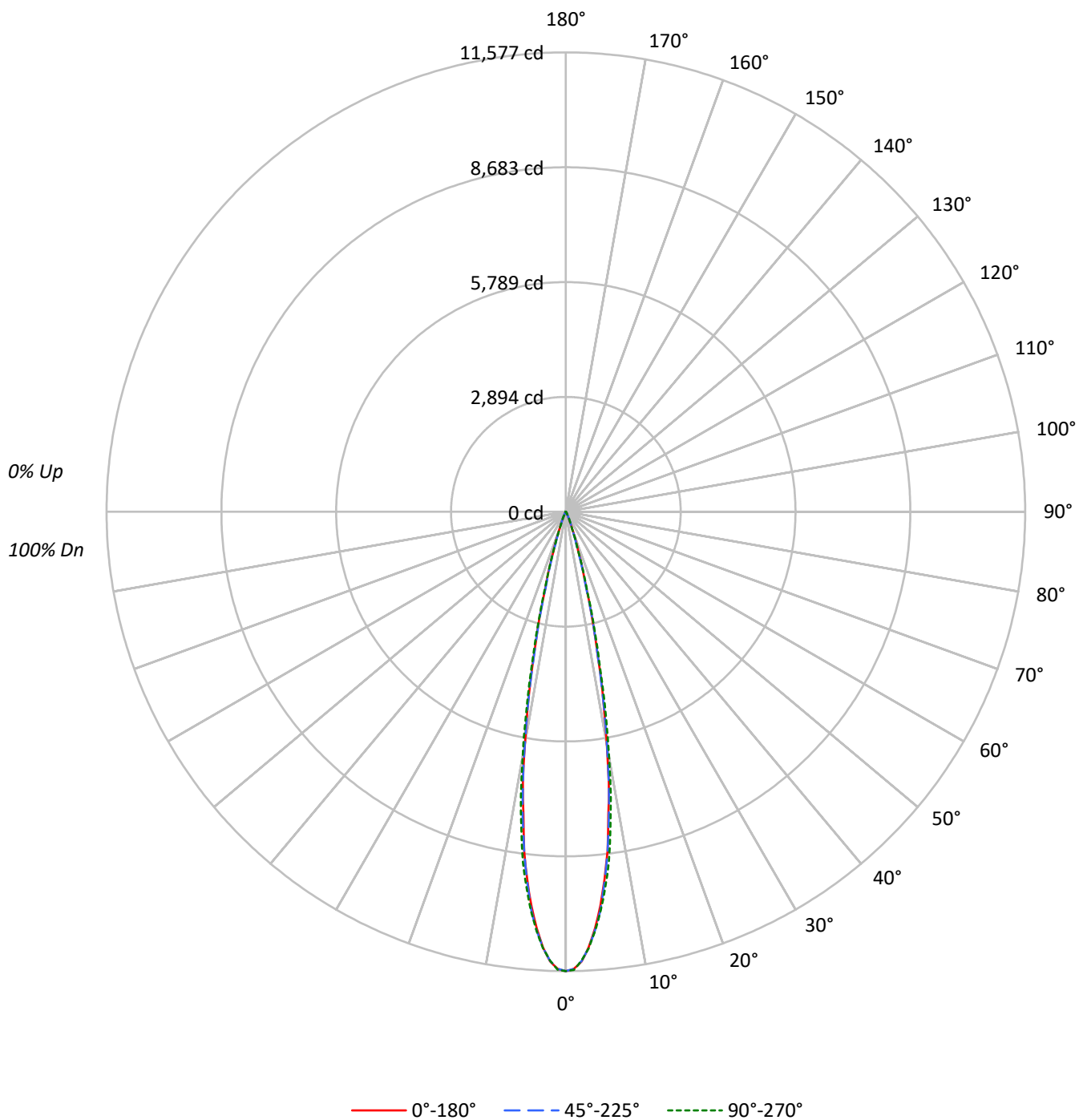
Lumens per Lamp: N/A
Luminaire Lumens: 1555.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (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°	1993890	1993890	1993890
5°	1722495	1738538	1745004
10°	1036913	1046601	1098698
15°	358646	350249	378170
20°	94204	88614	88870
25°	20542	24741	28162
30°	8810	8810	9088
35°	4962	4373	4667
40°	2181	2496	2810
45°	682	1023	1023
50°	375	375	375
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: 1023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.1	53.3
10°-20°	630.5	40.5
20°-30°	78.0	5.0
30°-40°	14.8	0.9
40°-50°	3.6	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°	1536.5	98.8
0°-40°	1551.2	99.8
0°-60°	1555.0	100.0
0°-90°	1555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11577	11577	11577	11577	11577	
5°	9964	9957	10056	10049	10094	822
15°	2012	1940	1964	2082	2121	630
25°	108	123	130	136	148	74
35°	24	24	21	22	22	15
45°	3	4	4	4	4	3
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°	11577.4	11577.4	11577.4	11577.4	11577.4
1°	11523.4	11509.5	11520.6	11497.1	11545.6
2°	11339.1	11325.3	11325.3	11311.4	11318.4
3°	10995.6	11017.7	11003.9	10974.8	11012.2
4°	10527.3	10552.3	10574.4	10575.8	10581.4
5°	9963.5	9956.6	10056.3	10049.4	10093.7
6°	9320.7	9312.4	9355.3	9427.4	9516.0
7°	8614.2	8513.0	8628.0	8773.5	8892.6
8°	7699.8	7726.1	7805.1	7976.9	8072.5
9°	6924.0	6770.2	6937.9	7142.9	7246.8
10°	5929.3	5804.6	5984.7	6200.9	6282.6
12.5°	3732.2	3624.1	3682.3	3909.5	3945.5
15°	2011.5	1939.5	1964.4	2082.2	2121.0
17.5°	1026.5	961.4	947.6	1022.4	1030.7
20°	514.0	498.7	483.5	490.4	484.9
22.5°	238.3	259.1	256.3	242.4	259.1
25°	108.1	123.3	130.2	135.8	148.2
27.5°	66.5	63.7	73.4	79.0	80.4
30°	44.3	42.9	44.3	45.7	45.7
32.5°	31.9	30.5	29.1	29.1	30.5
35°	23.6	23.6	20.8	22.2	22.2
37.5°	16.6	16.6	15.2	16.6	16.6
40°	9.7	11.1	11.1	11.1	12.5
42.5°	5.5	6.9	6.9	6.9	6.9
45°	2.8	4.2	4.2	4.2	4.2
47.5°	1.4	1.4	1.4	2.8	2.8
50°	1.4	1.4	1.4	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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)