

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: P1306306

Luminaire Tested: P3SQASS20R709024D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R709024D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

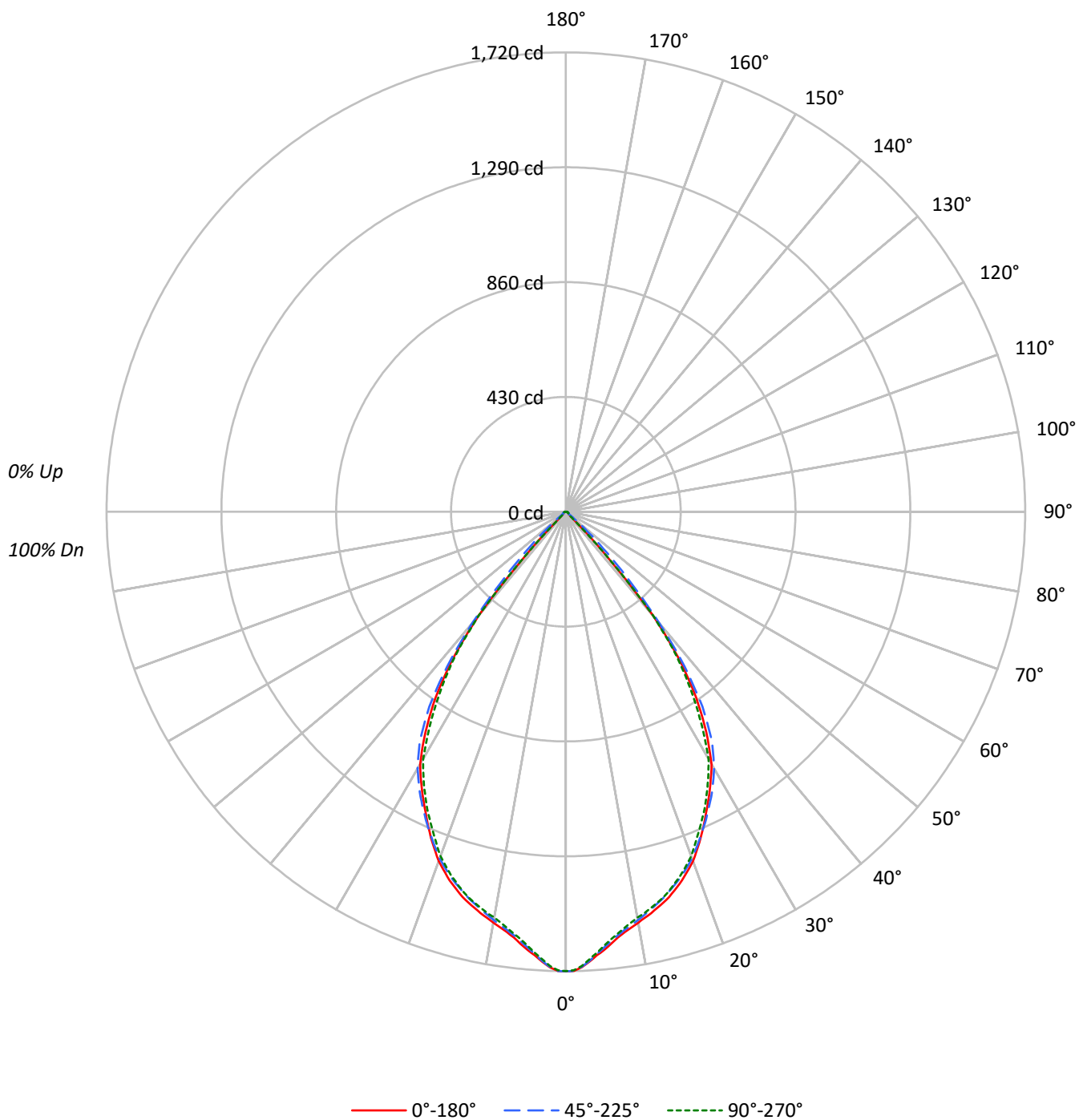
Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	296223	296223	296223
5°	284734	283196	282158
10°	273162	271605	269787
15°	266288	263364	263097
20°	255138	253232	251582
25°	236222	237913	233391
30°	216962	220820	212528
35°	178940	187391	172044
40°	113939	122640	113939
45°	7989	52999	8719
50°	3590	10771	3590
55°	4023	4023	4023
60°	4099	4099	4099
65°	3627	4238	3627
70°	3777	4482	3777
75°	3993	3993	3993
80°	4463	4463	4463
85°	2964	5928	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 52999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	8.4
10°-20°	415.6	22.7
20°-30°	571.2	31.1
30°-40°	523.2	28.5
40°-50°	138.9	7.6
50°-60°	12.4	0.7
60°-70°	10.1	0.5
70°-80°	6.8	0.4
80°-90°	2.6	0.1
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°	1140.2	62.2
0°-40°	1663.4	90.7
0°-60°	1814.6	98.9
0°-90°	1834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1720	1720	1720	1720	1720	
5°	1647	1640	1638	1635	1632	154
15°	1494	1480	1477	1477	1476	419
25°	1243	1248	1252	1237	1228	571
35°	851	864	891	851	818	516
45°	33	112	218	113	36	98
55°	13	13	13	13	13	11
65°	9	10	10	10	9	9
75°	6	6	6	6	6	6
85°	2	3	3	3	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1720.0	1720.0	1720.0	1720.0	1720.0
1°	1720.0	1717.1	1720.0	1720.0	1717.1
2°	1706.6	1703.6	1705.1	1703.6	1702.1
3°	1687.2	1682.8	1684.3	1681.3	1678.3
4°	1664.9	1660.4	1660.4	1658.9	1655.9
5°	1647.0	1639.5	1638.1	1635.1	1632.1
6°	1626.1	1618.7	1617.2	1612.7	1609.7
7°	1605.3	1599.3	1597.8	1591.8	1591.8
8°	1588.9	1581.4	1581.4	1574.0	1574.0
9°	1575.5	1566.5	1566.5	1560.5	1557.6
10°	1562.0	1553.1	1553.1	1545.6	1542.7
11°	1548.6	1541.2	1538.2	1533.7	1532.2
12°	1536.7	1526.3	1523.3	1521.8	1518.8
13°	1521.8	1511.4	1508.4	1506.9	1505.4
14°	1508.4	1495.0	1493.5	1490.5	1492.0
15°	1493.5	1480.1	1477.1	1477.1	1475.6
17.5°	1447.3	1438.3	1433.9	1430.9	1427.9
20°	1392.1	1384.7	1381.7	1375.7	1372.7
22.5°	1320.6	1319.1	1317.6	1310.1	1298.2
25°	1243.1	1247.5	1252.0	1237.1	1228.2
27.5°	1168.5	1180.5	1184.9	1170.0	1150.7
30°	1091.0	1101.5	1110.4	1089.6	1068.7
32.5°	979.3	1004.6	1018.0	994.2	946.5
35°	851.1	864.5	891.3	851.1	818.3
37.5°	702.0	709.5	730.3	703.5	681.2
40°	506.8	529.1	545.5	529.1	506.8
42.5°	228.0	319.0	360.7	336.9	238.5
45°	32.8	111.8	217.6	113.3	35.8
47.5°	13.4	17.9	113.3	16.4	13.4
50°	13.4	13.4	40.2	13.4	13.4
52.5°	13.4	13.4	14.9	13.4	13.4
55°	13.4	13.4	13.4	13.4	13.4
57.5°	11.9	11.9	13.4	11.9	11.9
60°	11.9	11.9	11.9	11.9	11.9
62.5°	10.4	11.9	11.9	11.9	10.4
65°	8.9	10.4	10.4	10.4	8.9
67.5°	8.9	8.9	8.9	8.9	8.9
70°	7.5	8.9	8.9	8.9	7.5
72.5°	7.5	7.5	7.5	7.5	7.5
75°	6.0	6.0	6.0	6.0	6.0
77.5°	4.5	6.0	6.0	6.0	4.5
80°	4.5	4.5	4.5	4.5	4.5
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	3.0	3.0	3.0	1.5
87.5°	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)