

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: P1318369

Luminaire Tested: P3SQAS20R709835D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709835D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

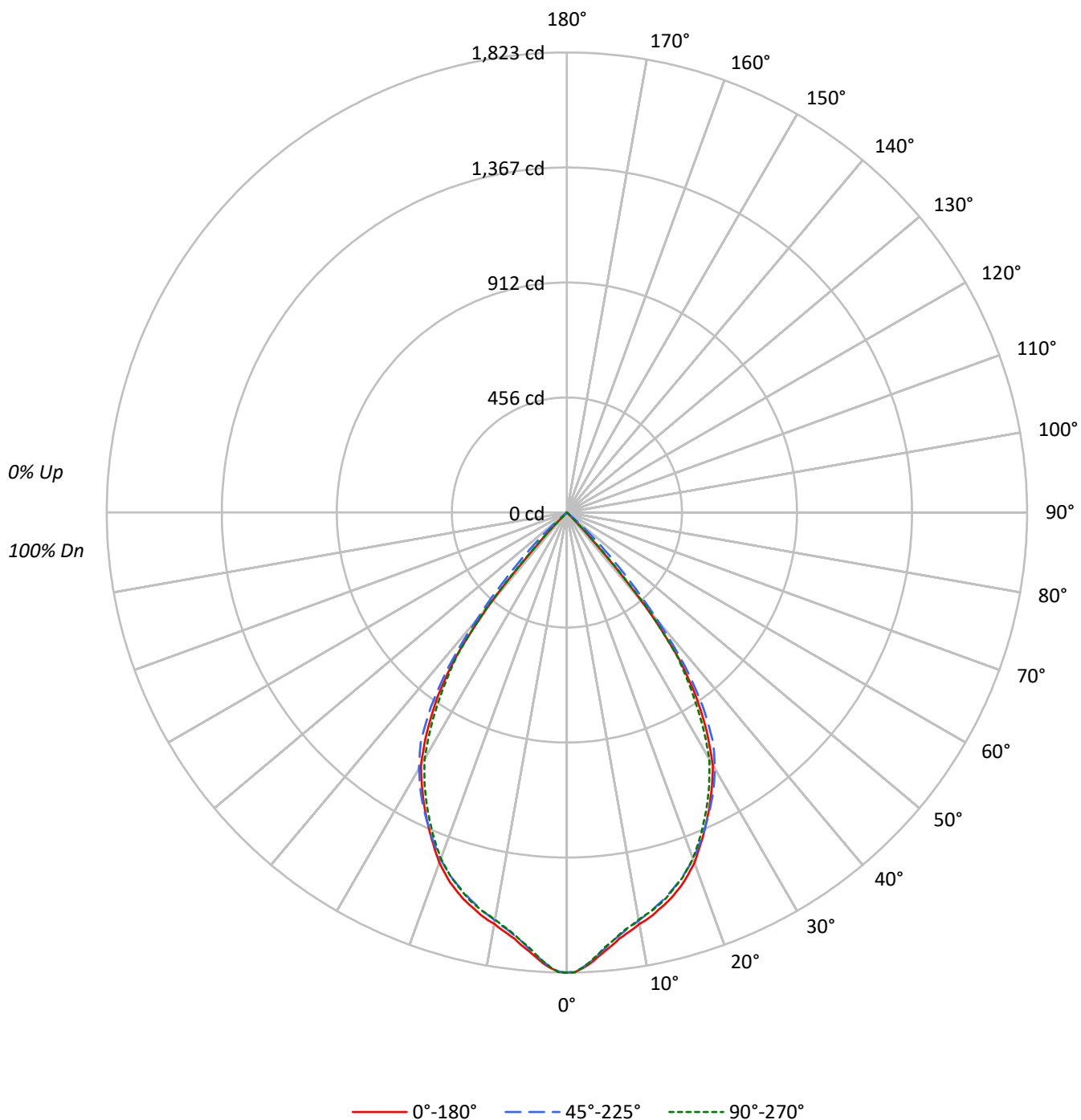
Lumens per Lamp: N/A
Luminaire Lumens: 1886.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	313962	313962	313962
5°	301365	299723	298893
10°	289513	287012	286453
15°	282656	278680	279250
20°	270680	268040	267454
25°	251253	251861	247909
30°	229948	233130	224241
35°	188106	197168	180748
40°	108296	126214	111151
45°	1559	52438	5431
50°	0	5546	0
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: 45°

Vertical Angle: 45°

Luminance: 52438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	8.6
10°-20°	440.7	23.4
20°-30°	605.4	32.1
30°-40°	549.0	29.1
40°-50°	127.6	6.8
50°-60°	0.6	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°	1208.8	64.1
0°-40°	1757.8	93.2
0°-60°	1886.0	100.0
0°-90°	1886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1886.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1823	1823	1823	1823	1823	
5°	1743	1738	1734	1730	1729	164
15°	1585	1574	1563	1563	1566	445
25°	1322	1329	1325	1313	1305	607
35°	895	908	938	898	860	537
45°	6	72	215	92	22	77
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°	1823.0	1823.0	1823.0	1823.0	1823.0
1°	1821.4	1818.2	1819.8	1821.4	1823.0
2°	1807.0	1803.8	1803.8	1805.4	1805.4
3°	1789.5	1783.1	1783.1	1781.5	1781.5
4°	1765.6	1760.8	1757.6	1756.0	1756.0
5°	1743.2	1738.5	1733.7	1730.5	1728.9
6°	1724.1	1716.1	1709.7	1708.1	1709.7
7°	1701.8	1697.0	1690.6	1685.8	1687.4
8°	1685.8	1679.4	1671.5	1668.3	1668.3
9°	1671.5	1665.1	1657.1	1650.7	1653.9
10°	1655.5	1649.1	1641.2	1636.4	1638.0
11°	1644.4	1636.4	1626.8	1623.6	1625.2
12°	1631.6	1622.0	1612.5	1610.9	1614.0
13°	1615.6	1606.1	1596.5	1596.5	1599.7
14°	1601.3	1590.1	1580.6	1580.6	1585.3
15°	1585.3	1574.2	1563.0	1563.0	1566.2
17.5°	1537.5	1527.9	1516.8	1516.8	1518.4
20°	1476.9	1472.1	1462.5	1457.7	1459.3
22.5°	1400.3	1400.3	1395.5	1387.6	1384.4
25°	1322.2	1328.6	1325.4	1312.6	1304.6
27.5°	1240.8	1252.0	1253.6	1234.5	1220.1
30°	1156.3	1165.9	1172.3	1149.9	1127.6
32.5°	1031.9	1060.6	1076.6	1046.3	1000.0
35°	894.7	907.5	937.8	897.9	859.7
37.5°	727.3	743.2	768.7	736.8	714.5
40°	481.7	545.5	561.4	545.5	494.4
42.5°	173.8	306.2	368.4	312.6	204.1
45°	6.4	71.8	215.3	92.5	22.3
47.5°	0.0	1.6	97.3	3.2	0.0
50°	0.0	0.0	20.7	0.0	0.0
52.5°	0.0	0.0	1.6	0.0	0.0
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



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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)