

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: P1314763

Luminaire Tested: P3SQAS20R709735D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709735D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

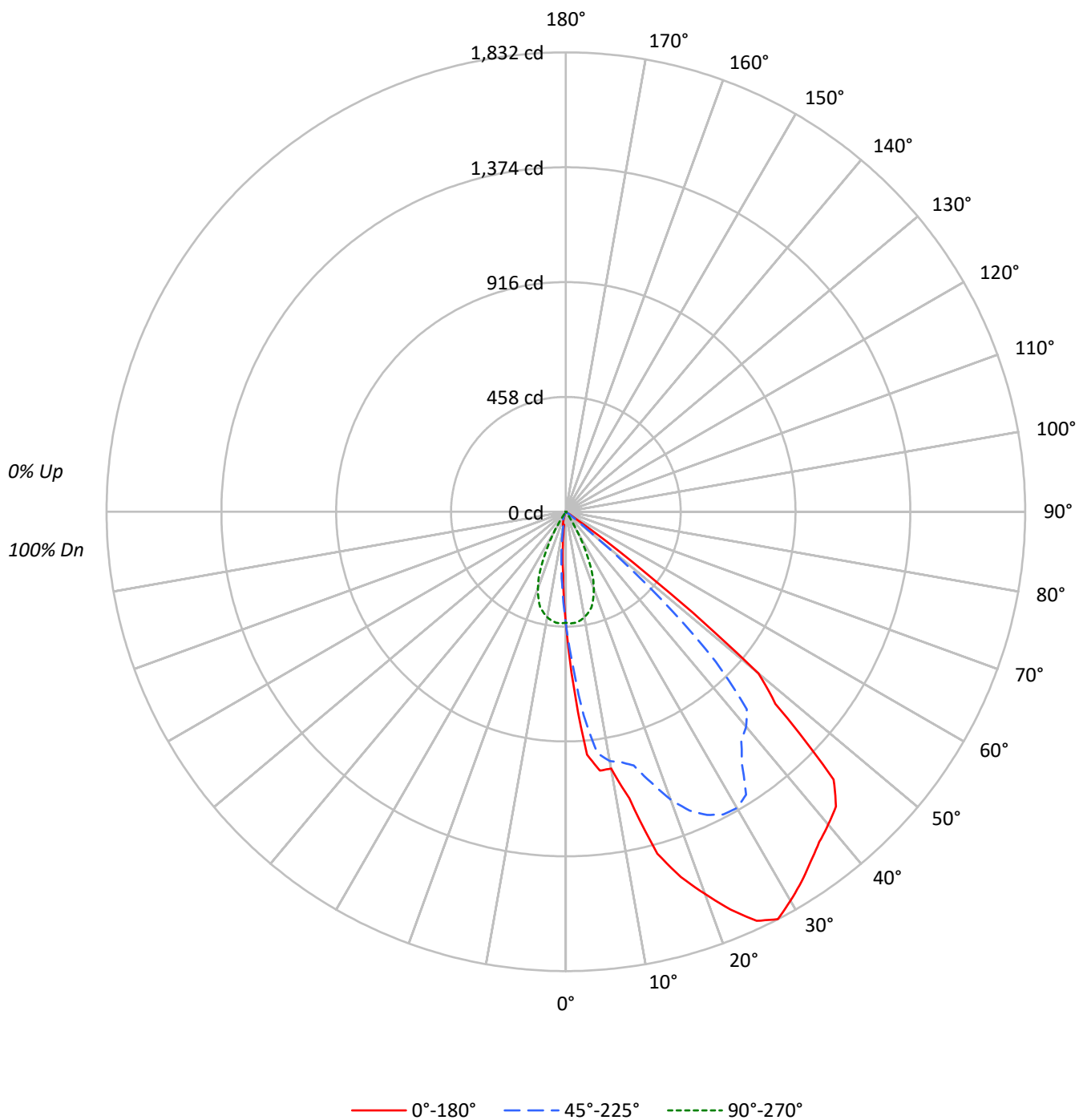
Lumens per Lamp: N/A
Luminaire Lumens: 1192.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	76191	76191	76191	76191	76191
5°	168092	141036	76776	34905	22976
10°	181787	176506	74726	9706	10003
15°	251632	186838	70481	9896	7203
20°	297181	223816	59803	5865	2163
25°	342010	253477	42186	950	0
30°	356248	271292	19409	0	0
35°	357900	257109	1051	0	0
40°	366076	251484	0	0	0
45°	367897	206076	0	0	0
50°	268601	42815	0	0	0
55°	15163	0	0	0	0
60°	0	586	586	0	0
65°	0	0	693	0	0
70°	0	856	856	0	0
75°	0	1131	1131	0	0
80°	0	1686	1686	1686	0
85°	0	3359	3359	3359	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 374863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	4.1
10°-20°	161.6	13.6
20°-30°	290.5	24.4
30°-40°	353.2	29.6
40°-50°	272.7	22.9
50°-60°	63.4	5.3
60°-70°	0.4	0.0
70°-80°	0.9	0.1
80°-90°	0.9	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°	500.5	42.0
0°-40°	853.7	71.6
0°-60°	1189.8	99.8
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°	45°	90°	135°	180°	Flux
0°	442	442	442	442	442	
5°	972	816	444	202	133	92
15°	1411	1048	395	56	40	395
25°	1800	1334	222	5	0	819
35°	1702	1223	5	0	0	1069
45°	1510	846	0	0	0	1068
55°	50	0	0	0	0	207
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	689.7	689.7	693.0	691.3	676.2	669.5	647.6	635.8	632.5	605.6	595.5
5°	972.3	973.9	965.5	963.8	947.0	935.2	916.7	888.2	859.6	815.8	777.1
7.5°	1041.2	1039.5	1037.9	1037.9	1034.5	1027.8	1019.4	1010.9	999.2	972.3	942.0
10°	1039.5	1039.5	1037.9	1037.9	1036.2	1037.9	1036.2	1031.1	1026.1	1009.3	992.4
12.5°	1170.7	1160.7	1147.2	1127.0	1093.4	1068.1	1039.5	1031.1	1027.8	1022.7	1012.6
15°	1411.3	1402.9	1374.3	1339.0	1305.3	1248.1	1202.7	1140.5	1091.7	1047.9	1026.1
17.5°	1527.3	1532.4	1500.4	1478.6	1446.6	1401.2	1347.4	1283.4	1214.5	1132.1	1066.5
20°	1621.5	1626.6	1599.7	1577.8	1540.8	1493.7	1446.6	1377.6	1312.0	1221.2	1135.4
22.5°	1717.4	1720.8	1695.6	1663.6	1621.5	1572.8	1512.2	1441.6	1370.9	1290.2	1199.3
25°	1799.8	1796.5	1754.4	1709.0	1668.6	1616.5	1557.6	1488.7	1421.4	1333.9	1248.1
27.5°	1831.8	1830.1	1783.0	1739.3	1692.2	1621.5	1569.4	1508.8	1438.2	1360.8	1273.4
30°	1791.4	1818.4	1788.1	1756.1	1698.9	1628.3	1577.8	1505.5	1439.9	1364.2	1264.9
32.5°	1749.4	1783.0	1772.9	1757.8	1690.5	1635.0	1569.4	1502.1	1424.7	1337.3	1185.9
35°	1702.3	1737.6	1739.3	1722.5	1661.9	1606.4	1545.9	1475.2	1387.7	1222.9	1111.9
37.5°	1660.2	1693.9	1704.0	1668.6	1621.5	1547.5	1492.0	1418.0	1259.9	1148.9	1091.7
40°	1628.3	1653.5	1668.6	1613.1	1566.0	1493.7	1429.8	1300.3	1157.3	1118.6	1037.9
42.5°	1594.6	1618.2	1624.9	1564.4	1492.0	1423.1	1330.5	1167.4	1125.3	1068.1	851.1
45°	1510.5	1539.1	1522.3	1463.4	1409.6	1337.3	1199.3	1128.7	1083.3	846.1	523.1
47.5°	1133.7	1165.7	1211.1	1227.9	1246.4	1194.3	1118.6	1093.4	889.8	513.0	163.2
50°	1002.5	997.5	997.5	1005.9	1021.0	1037.9	1059.7	921.8	534.9	159.8	0.0
52.5°	408.8	428.9	528.2	617.3	719.9	822.5	854.5	565.2	208.6	3.4	0.0
55°	50.5	50.5	70.6	121.1	200.2	323.0	363.3	181.7	15.1	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	13.5	37.0	25.2	6.7	1.7	1.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	578.6	558.5	529.9	445.8	373.4	309.5	272.5	254.0
5°	740.1	691.3	625.7	444.1	302.8	201.9	151.4	132.9
7.5°	894.9	839.4	728.4	437.3	232.1	117.7	65.6	52.1
10°	962.2	921.8	822.5	427.3	168.2	55.5	55.5	57.2
12.5°	989.1	958.8	878.1	412.1	111.0	53.8	57.2	53.8
15°	1007.6	979.0	905.0	395.3	63.9	55.5	45.4	40.4
17.5°	1017.7	984.0	913.4	363.3	42.1	47.1	28.6	23.5
20°	1049.6	995.8	920.1	326.3	40.4	32.0	15.1	11.8
22.5°	1103.5	1019.4	921.8	280.9	32.0	18.5	5.0	0.0
25°	1152.2	1051.3	926.8	222.0	10.1	5.0	0.0	0.0
27.5°	1175.8	1061.4	925.2	156.4	0.0	0.0	0.0	0.0
30°	1147.2	1036.2	910.0	97.6	0.0	0.0	0.0	0.0
32.5°	1079.9	1017.7	862.9	42.1	0.0	0.0	0.0	0.0
35°	1058.0	977.3	755.3	5.0	0.0	0.0	0.0	0.0
37.5°	1009.3	861.2	555.1	0.0	0.0	0.0	0.0	0.0
40°	868.0	622.4	264.1	0.0	0.0	0.0	0.0	0.0
42.5°	573.6	265.8	15.1	0.0	0.0	0.0	0.0	0.0
45°	201.9	16.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.7	1.7	0.0	0.0	0.0	0.0
67.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
70°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
72.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
75°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
77.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)