

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: P1309360

Luminaire Tested: P3SQAS17R709035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309360
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: P3SQAS17R709035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

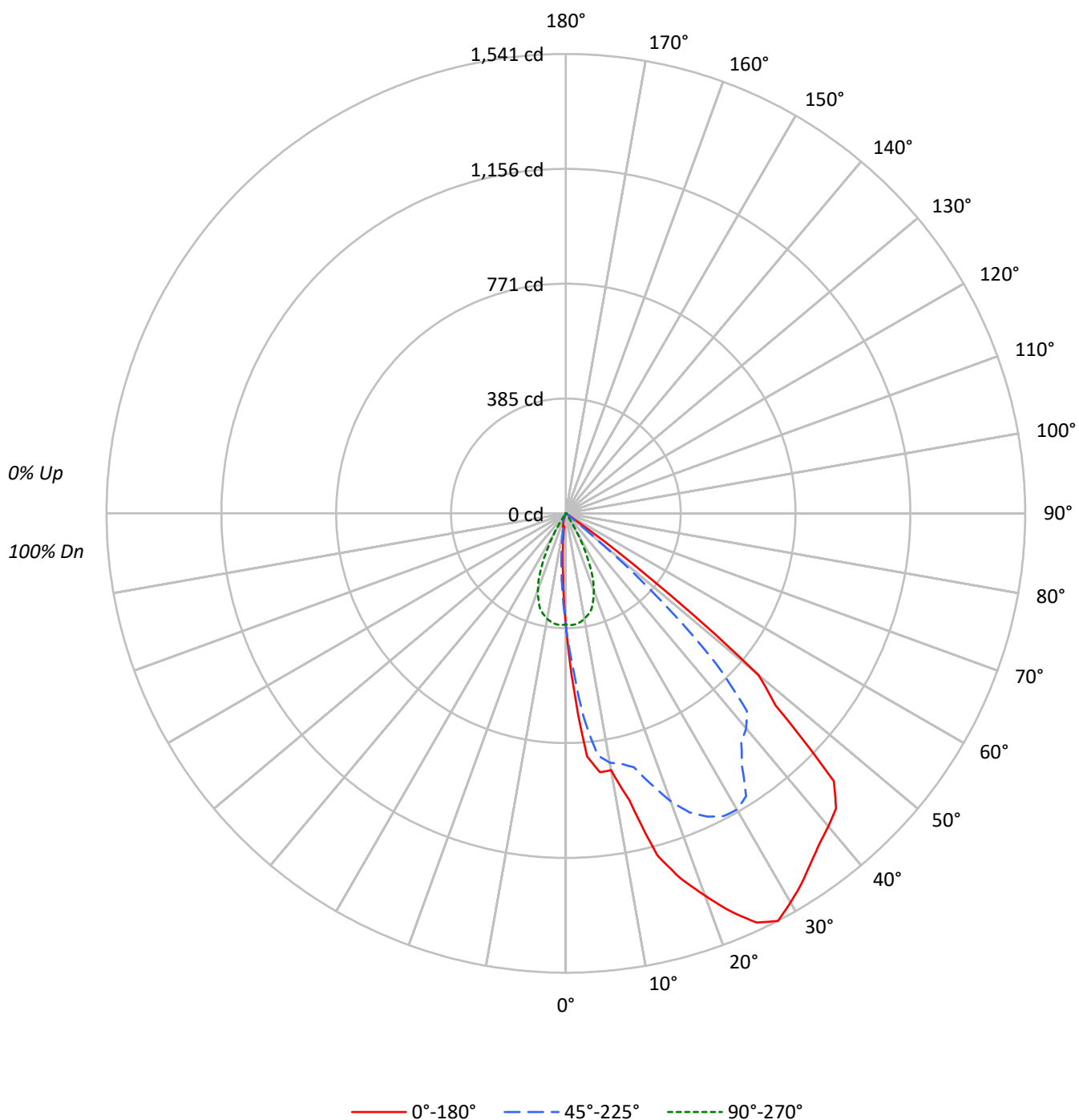
Lumens per Lamp: N/A
Luminaire Lumens: 1003.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	64101	64101	64101	64101	64101
5°	141434	118682	64605	29355	19328
10°	152967	148508	62869	8167	8412
15°	211729	157223	59302	8327	6062
20°	250061	188334	50327	4930	1814
25°	287795	213286	35497	798	0
30°	299770	228278	16327	0	0
35°	301155	216342	883	0	0
40°	308027	211601	0	0	0
45°	309564	173390	0	0	0
50°	226026	36037	0	0	0
55°	12761	0	0	0	0
60°	0	482	482	0	0
65°	0	0	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	1389	1389	0
85°	0	2766	2766	2766	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 315434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	4.1
10°-20°	136.0	13.6
20°-30°	244.4	24.4
30°-40°	297.2	29.6
40°-50°	229.5	22.9
50°-60°	53.4	5.3
60°-70°	0.3	0.0
70°-80°	0.7	0.1
80°-90°	0.8	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°	421.1	42.0
0°-40°	718.3	71.6
0°-60°	1001.1	99.8
0°-90°	1003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	818	686	374	170	112	77
15°	1188	882	333	47	34	332
25°	1514	1122	187	4	0	689
35°	1432	1029	4	0	0	900
45°	1271	712	0	0	0	898
55°	42	0	0	0	0	174
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2
2.5°	580.3	580.3	583.1	581.7	569.0	563.3	544.9	535.0	532.2	509.5	501.0
5°	818.1	819.5	812.4	811.0	796.9	787.0	771.4	747.3	723.3	686.5	653.9
7.5°	876.1	874.7	873.3	873.3	870.5	864.8	857.7	850.7	840.7	818.1	792.6
10°	874.7	874.7	873.3	873.3	871.9	873.3	871.9	867.6	863.4	849.2	835.1
12.5°	985.1	976.6	965.3	948.3	920.0	898.8	874.7	867.6	864.8	860.6	852.1
15°	1187.5	1180.4	1156.4	1126.7	1098.3	1050.2	1012.0	959.6	918.6	881.8	863.4
17.5°	1285.2	1289.4	1262.5	1244.1	1217.2	1179.0	1133.7	1079.9	1021.9	952.6	897.4
20°	1364.4	1368.7	1346.0	1327.6	1296.5	1256.9	1217.2	1159.2	1104.0	1027.6	955.4
22.5°	1445.1	1447.9	1426.7	1399.8	1364.4	1323.4	1272.4	1213.0	1153.5	1085.6	1009.2
25°	1514.5	1511.6	1476.3	1438.0	1404.1	1360.2	1310.7	1252.6	1196.0	1122.4	1050.2
27.5°	1541.4	1539.9	1500.3	1463.5	1423.9	1364.4	1320.6	1269.6	1210.2	1145.1	1071.5
30°	1507.4	1530.0	1504.6	1477.7	1429.5	1370.1	1327.6	1266.8	1211.6	1147.9	1064.4
32.5°	1472.0	1500.3	1491.8	1479.1	1422.5	1375.8	1320.6	1263.9	1198.8	1125.2	997.9
35°	1432.4	1462.1	1463.5	1449.4	1398.4	1351.7	1300.7	1241.3	1167.7	1029.0	935.6
37.5°	1397.0	1425.3	1433.8	1404.1	1364.4	1302.2	1255.5	1193.2	1060.1	966.7	918.6
40°	1370.1	1391.3	1404.1	1357.4	1317.7	1256.9	1203.1	1094.1	973.8	941.2	873.3
42.5°	1341.8	1361.6	1367.3	1316.3	1255.5	1197.4	1119.6	982.3	946.9	898.8	716.2
45°	1271.0	1295.1	1280.9	1231.4	1186.1	1125.2	1009.2	949.7	911.5	711.9	440.2
47.5°	954.0	980.9	1019.1	1033.2	1048.8	1004.9	941.2	920.0	748.7	431.7	137.3
50°	843.6	839.3	839.3	846.4	859.1	873.3	891.7	775.6	450.1	134.5	0.0
52.5°	343.9	360.9	444.4	519.4	605.8	692.1	719.0	475.6	175.5	2.8	0.0
55°	42.5	42.5	59.4	101.9	168.4	271.8	305.7	152.9	12.7	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	11.3	31.1	21.2	5.7	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
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°	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2
2.5°	486.9	469.9	445.8	375.1	314.2	260.4	229.3	213.7
5°	622.8	581.7	526.5	373.7	254.8	169.8	127.4	111.8
7.5°	753.0	706.3	612.9	368.0	195.3	99.1	55.2	43.9
10°	809.6	775.6	692.1	359.5	141.5	46.7	46.7	48.1
12.5°	832.3	806.8	738.8	346.8	93.4	45.3	48.1	45.3
15°	847.8	823.8	761.5	332.6	53.8	46.7	38.2	34.0
17.5°	856.3	828.0	768.6	305.7	35.4	39.6	24.1	19.8
20°	883.2	837.9	774.2	274.6	34.0	26.9	12.7	9.9
22.5°	928.5	857.7	775.6	236.4	26.9	15.6	4.2	0.0
25°	969.5	884.6	779.9	186.8	8.5	4.2	0.0	0.0
27.5°	989.4	893.1	778.5	131.6	0.0	0.0	0.0	0.0
30°	965.3	871.9	765.7	82.1	0.0	0.0	0.0	0.0
32.5°	908.7	856.3	726.1	35.4	0.0	0.0	0.0	0.0
35°	890.3	822.3	635.5	4.2	0.0	0.0	0.0	0.0
37.5°	849.2	724.7	467.1	0.0	0.0	0.0	0.0	0.0
40°	730.3	523.7	222.2	0.0	0.0	0.0	0.0	0.0
42.5°	482.6	223.6	12.7	0.0	0.0	0.0	0.0	0.0
45°	169.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.8	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°	1.4	1.4	1.4	1.4	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	1.4	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
70°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
77.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	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)