

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: P1306141

Luminaire Tested: P3SQASS17R609024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R609024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

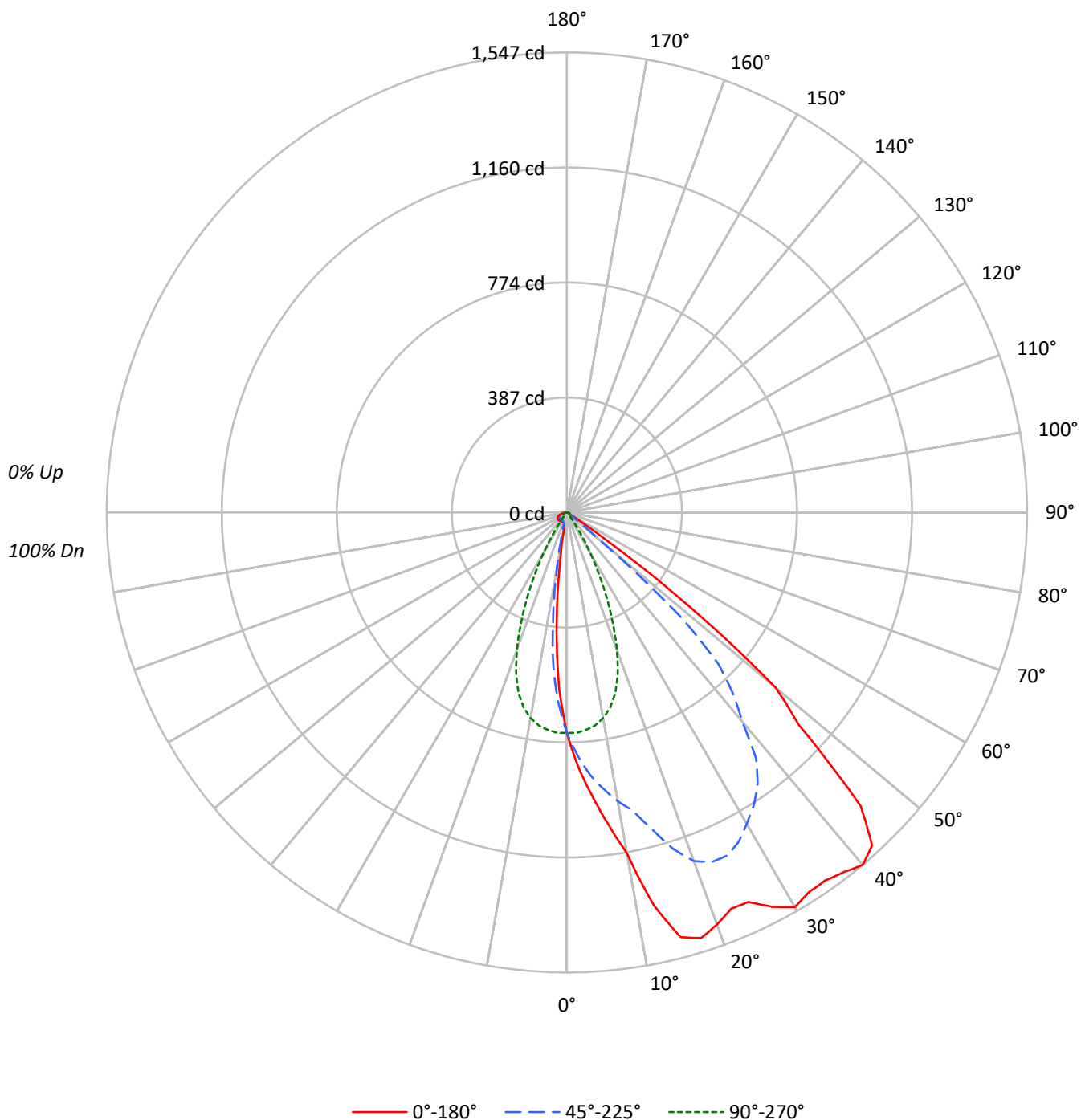
Lumens per Lamp: N/A
Luminaire Lumens: 1203.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	127531	127531	127531	127531	127531
5°	164738	152965	126842	90330	68927
10°	203595	172414	122748	34171	10126
15°	263667	196235	111989	7489	6686
20°	270185	228563	90135	6250	6451
25°	274532	241942	60428	6043	6480
30°	304702	240329	31162	6105	6781
35°	317827	234970	8599	6455	7401
40°	347775	206071	4092	6902	8161
45°	340253	175095	4141	7477	9133
50°	245264	43217	4555	8225	10047
55°	47051	2732	4774	8858	11260
60°	2342	2756	4684	9403	12124
65°	2323	2771	4646	9740	12959
70°	2266	2870	4582	9718	13143
75°	2262	2994	4525	9848	13575
80°	1091	3372	4463	10116	13488
85°	2174	2174	4545	8892	13437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 340253 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	5.4
10°-20°	177.8	14.8
20°-30°	273.7	22.7
30°-40°	321.1	26.7
40°-50°	257.5	21.4
50°-60°	79.9	6.6
60°-70°	15.1	1.3
70°-80°	10.0	0.8
80°-90°	3.5	0.3
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°	515.8	42.9
0°-40°	836.9	69.6
0°-60°	1174.4	97.6
0°-90°	1203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	740	740	740	740	740	
5°	953	885	734	522	399	97
15°	1479	1101	628	42	38	405
25°	1445	1273	318	32	34	682
35°	1512	1118	41	31	35	957
45°	1397	719	17	31	38	1000
55°	157	9	16	30	38	248
65°	6	7	11	24	32	5
75°	3	4	7	15	20	3
85°	1	1	2	4	7	1
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°	740.5	740.5	740.5	740.5	740.5	740.5	740.5	740.5	740.5	740.5	740.5
2.5°	854.1	845.0	845.0	841.6	838.2	839.3	830.3	833.7	824.6	817.8	812.1
5°	952.9	941.6	940.4	934.7	929.1	924.5	913.2	906.4	892.7	884.8	867.7
7.5°	1055.1	1046.1	1040.4	1033.6	1023.3	1012.0	992.7	980.2	958.6	937.0	915.4
10°	1164.2	1156.2	1143.7	1135.8	1107.4	1089.2	1063.1	1046.1	1014.3	985.9	952.9
12.5°	1355.0	1350.4	1326.6	1310.7	1269.8	1233.5	1176.7	1131.2	1074.4	1027.9	983.6
15°	1478.8	1473.1	1460.6	1445.9	1419.7	1378.8	1327.7	1264.1	1184.6	1100.6	1025.6
17.5°	1500.4	1501.5	1493.6	1490.1	1473.1	1447.0	1406.1	1358.4	1278.9	1185.8	1083.5
20°	1474.2	1483.3	1481.1	1487.9	1491.3	1481.1	1453.8	1407.2	1338.0	1247.1	1132.4
22.5°	1442.4	1450.4	1448.1	1460.6	1479.9	1490.1	1481.1	1443.6	1373.2	1272.1	1159.6
25°	1444.7	1450.4	1433.4	1441.3	1466.3	1491.3	1492.4	1459.5	1383.4	1273.2	1157.4
27.5°	1494.7	1477.7	1439.0	1435.6	1466.3	1498.1	1500.4	1459.5	1368.6	1249.4	1134.6
30°	1532.2	1519.7	1476.5	1470.8	1500.4	1521.9	1510.6	1447.0	1333.4	1208.5	1101.7
32.5°	1514.0	1516.3	1498.1	1516.3	1554.9	1564.0	1516.3	1417.5	1284.6	1168.7	1063.1
35°	1511.7	1520.8	1531.0	1559.4	1585.6	1564.0	1487.9	1361.8	1232.3	1117.6	1002.9
37.5°	1525.4	1540.1	1554.9	1579.9	1579.9	1524.2	1412.9	1291.4	1169.9	1044.9	878.0
40°	1546.9	1556.0	1560.6	1558.3	1527.6	1445.9	1327.7	1206.2	1090.4	916.6	795.0
42.5°	1518.5	1517.4	1512.9	1493.6	1436.8	1330.0	1219.8	1121.0	938.2	826.8	688.3
45°	1397.0	1397.0	1384.5	1353.9	1301.6	1213.0	1115.3	971.1	855.2	718.9	511.1
47.5°	1057.4	1049.5	1063.1	1081.3	1081.3	1073.3	984.7	859.8	741.7	519.1	163.6
50°	915.4	902.9	885.9	889.3	887.0	896.1	839.3	745.1	548.6	161.3	11.4
52.5°	517.9	540.6	596.3	674.7	709.9	722.4	687.1	566.8	185.1	10.2	9.1
55°	156.7	161.3	182.9	224.9	305.5	390.7	396.4	184.0	12.5	9.1	9.1
57.5°	6.8	6.8	9.1	13.6	31.8	47.7	51.1	11.4	8.0	9.1	9.1
60°	6.8	6.8	6.8	6.8	6.8	6.8	8.0	8.0	8.0	8.0	9.1
62.5°	5.7	5.7	6.8	6.8	6.8	6.8	6.8	6.8	8.0	8.0	8.0
65°	5.7	5.7	5.7	5.7	5.7	5.7	6.8	6.8	6.8	6.8	8.0
67.5°	4.5	4.5	4.5	5.7	5.7	5.7	5.7	5.7	6.8	6.8	6.8
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.7	5.7	5.7	5.7
72.5°	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	5.7
75°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5	4.5
77.5°	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	740.5	740.5	740.5	740.5	740.5	740.5	740.5	740.5
2.5°	804.1	795.0	784.8	741.7	699.6	642.9	604.2	592.9
5°	853.0	838.2	815.5	733.7	634.9	522.5	431.6	398.7
7.5°	893.9	871.1	839.3	722.4	557.7	354.4	228.3	193.1
10°	923.4	895.0	854.1	701.9	455.4	195.4	77.2	57.9
12.5°	948.4	910.9	862.1	671.2	331.6	79.5	39.8	39.8
15°	965.4	920.0	865.5	628.1	214.7	42.0	37.5	37.5
17.5°	989.3	930.2	865.5	567.9	117.0	36.3	36.3	36.3
20°	1027.9	940.4	853.0	491.8	64.7	34.1	35.2	35.2
22.5°	1048.3	955.2	837.1	403.2	40.9	32.9	34.1	34.1
25°	1052.9	952.9	803.0	318.0	32.9	31.8	32.9	34.1
27.5°	1037.0	937.0	757.6	231.7	29.5	30.7	32.9	34.1
30°	1008.6	898.4	684.9	156.7	27.3	30.7	32.9	34.1
32.5°	955.2	805.3	599.7	94.3	26.1	30.7	32.9	35.2
35°	835.9	707.6	502.0	40.9	25.0	30.7	34.1	35.2
37.5°	749.6	609.9	388.4	20.4	25.0	30.7	34.1	36.3
40°	654.2	490.7	179.5	18.2	25.0	30.7	34.1	36.3
42.5°	498.6	227.2	21.6	18.2	23.9	30.7	35.2	36.3
45°	181.7	23.9	11.4	17.0	23.9	30.7	35.2	37.5
47.5°	13.6	9.1	10.2	17.0	23.9	30.7	35.2	37.5
50°	9.1	9.1	10.2	17.0	23.9	30.7	35.2	37.5
52.5°	9.1	10.2	10.2	15.9	22.7	30.7	35.2	37.5
55°	9.1	10.2	10.2	15.9	22.7	29.5	35.2	37.5
57.5°	9.1	9.1	10.2	14.8	21.6	28.4	35.2	36.3
60°	9.1	9.1	10.2	13.6	20.4	27.3	32.9	35.2
62.5°	9.1	9.1	9.1	12.5	19.3	26.1	31.8	34.1
65°	8.0	8.0	9.1	11.4	17.0	23.9	29.5	31.8
67.5°	6.8	8.0	8.0	10.2	15.9	21.6	27.3	29.5
70°	6.8	6.8	6.8	9.1	13.6	19.3	25.0	26.1
72.5°	5.7	5.7	6.8	8.0	12.5	17.0	22.7	23.9
75°	4.5	5.7	5.7	6.8	10.2	14.8	19.3	20.4
77.5°	4.5	4.5	4.5	5.7	9.1	12.5	15.9	17.0
80°	3.4	3.4	3.4	4.5	6.8	10.2	12.5	13.6
82.5°	2.3	3.4	3.4	3.4	5.7	6.8	9.1	10.2
85°	2.3	2.3	2.3	2.3	3.4	4.5	5.7	6.8
87.5°	1.1	1.1	2.3	2.3	2.3	2.3	2.3	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)