

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: P1306114

Luminaire Tested: P3SQASS17R459024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R459024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

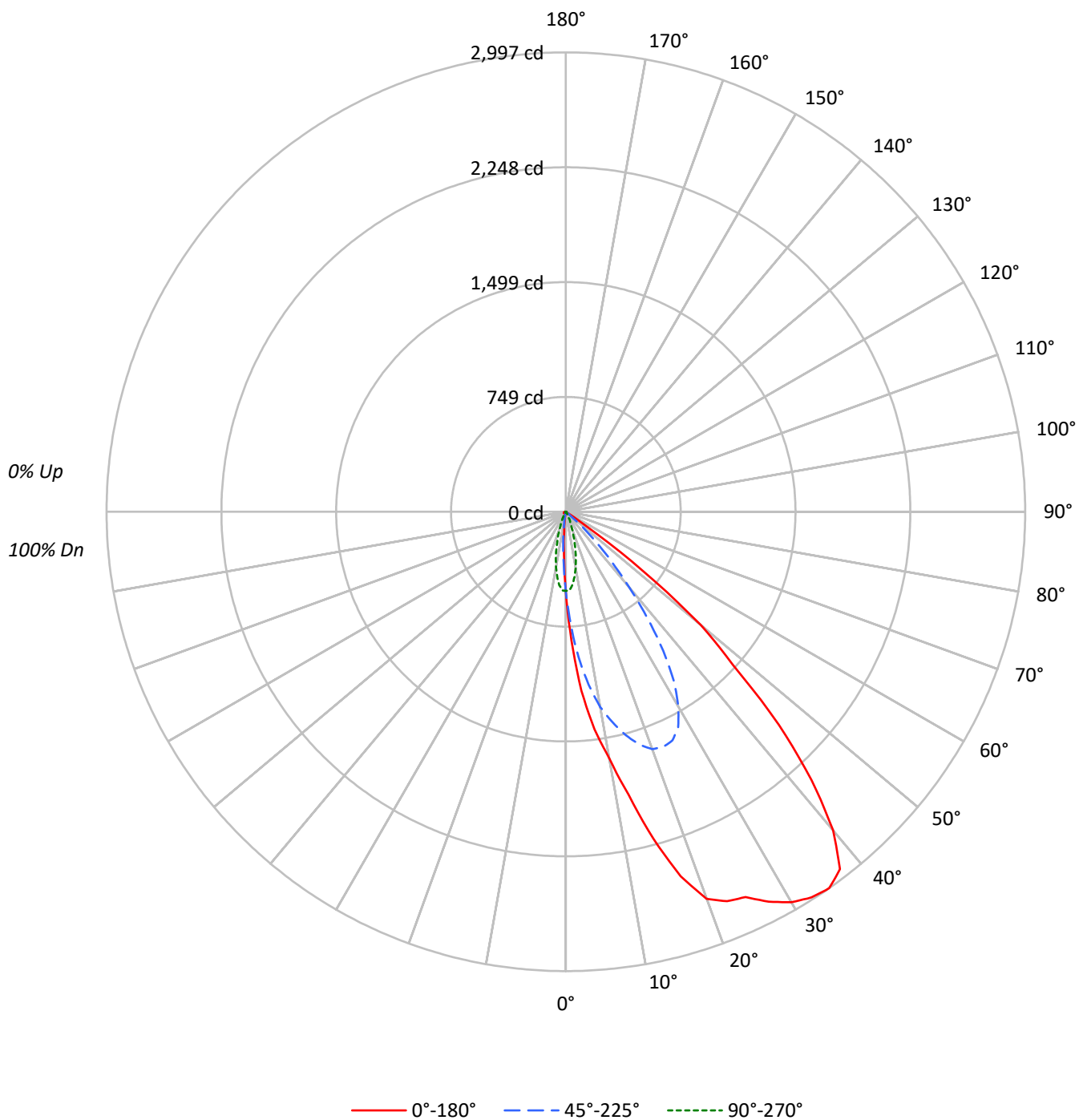
Lumens per Lamp: N/A
Luminaire Lumens: 1358.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	88987	88987	88987	88987	88987
5°	202823	164530	83242	33383	22768
10°	285805	226014	64356	7345	3375
15°	393842	268909	41098	2425	2033
20°	492480	302020	21443	1668	1668
25°	527020	312708	9919	1292	1501
30°	584963	292034	4514	1352	1571
35°	630125	232804	1430	1430	1913
40°	609736	144267	764	1776	2293
45°	478814	68051	828	2216	2777
50°	307638	7904	1206	2733	3644
55°	46721	691	1351	3423	4444
60°	792	792	1550	3927	4684
65°	937	937	1834	4157	5542
70°	1158	1158	2266	4582	6294
75°	732	1530	2994	5257	6787
80°	1091	2281	3372	5653	7835
85°	0	2174	4545	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 478814 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	4.2
10°-20°	204.5	15.1
20°-30°	359.2	26.5
30°-40°	407.9	30.0
40°-50°	264.1	19.4
50°-60°	51.8	3.8
60°-70°	6.3	0.5
70°-80°	5.2	0.4
80°-90°	2.4	0.2
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°	620.2	45.7
0°-40°	1028.1	75.7
0°-60°	1344.1	99.0
0°-90°	1358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1358.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	517	517	517	517	517	
5°	1173	952	482	193	132	125
15°	2209	1508	230	14	11	636
25°	2773	1646	52	7	8	1300
35°	2997	1107	7	7	9	1843
45°	1966	279	3	9	11	1482
55°	156	2	4	11	15	297
65°	2	2	4	10	14	2
75°	1	2	4	8	10	1
85°	0	1	2	3	3	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°	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7
2.5°	839.3	837.0	840.4	817.7	816.6	799.5	795.0	775.7	749.6	737.1	707.5
5°	1173.2	1161.8	1161.8	1134.6	1125.5	1106.2	1073.2	1032.4	998.3	951.7	901.8
7.5°	1431.0	1428.7	1428.7	1404.9	1382.2	1354.9	1310.6	1264.0	1209.5	1138.0	1065.3
10°	1634.3	1637.7	1627.5	1605.9	1573.0	1543.4	1491.2	1434.4	1367.4	1292.4	1195.9
12.5°	1891.0	1866.0	1858.0	1809.2	1767.2	1710.4	1647.9	1583.2	1500.3	1406.0	1297.0
15°	2208.9	2177.1	2145.3	2080.6	2010.2	1922.8	1825.1	1729.7	1622.9	1508.2	1371.9
17.5°	2492.9	2492.9	2450.9	2348.6	2257.8	2128.3	1996.6	1869.4	1743.3	1592.3	1421.9
20°	2687.1	2676.9	2645.1	2570.1	2466.8	2320.2	2148.8	1970.4	1818.3	1647.9	1450.3
22.5°	2750.7	2748.4	2749.5	2705.3	2622.3	2470.2	2260.1	2049.9	1859.2	1661.5	1436.7
25°	2773.4	2777.9	2789.3	2772.3	2709.8	2557.6	2328.2	2087.4	1871.6	1645.6	1384.4
27.5°	2867.7	2858.6	2871.1	2859.7	2789.3	2607.6	2341.8	2078.3	1844.4	1587.7	1291.3
30°	2941.5	2939.2	2960.8	2950.6	2858.6	2639.4	2329.3	2044.3	1777.4	1468.5	1144.8
32.5°	2983.5	2984.6	2990.3	2948.3	2812.0	2570.1	2268.0	1975.0	1651.3	1312.9	954.0
35°	2997.1	2990.3	2958.5	2855.2	2668.9	2410.0	2117.0	1810.3	1479.8	1107.3	754.1
37.5°	2938.1	2902.9	2821.1	2666.6	2450.9	2208.9	1923.9	1602.5	1244.7	874.5	562.2
40°	2712.1	2665.5	2562.2	2404.3	2203.3	1969.3	1677.4	1341.3	965.3	641.7	395.2
42.5°	2373.6	2349.8	2241.9	2104.5	1934.1	1697.9	1396.9	1056.2	714.4	442.9	252.1
45°	1965.9	1935.2	1867.1	1745.6	1611.6	1364.0	1083.5	756.4	487.2	279.4	124.9
47.5°	1474.1	1476.4	1429.9	1337.9	1206.1	999.4	741.6	507.7	305.5	144.2	28.4
50°	1148.2	1132.3	1066.4	972.2	818.8	665.5	479.3	320.3	161.3	29.5	2.3
52.5°	636.0	646.2	611.0	580.3	500.8	397.5	282.8	162.4	34.1	3.4	2.3
55°	155.6	164.7	157.9	161.3	166.9	148.8	114.7	31.8	3.4	2.3	2.3
57.5°	3.4	3.4	3.4	3.4	5.7	7.9	7.9	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
82.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7
2.5°	692.8	671.2	631.5	513.3	412.3	332.8	285.1	280.5
5°	857.5	799.5	715.5	481.5	304.4	193.1	139.7	131.7
7.5°	988.1	906.3	776.8	429.3	207.8	98.8	54.5	45.4
10°	1096.0	980.1	808.6	368.0	130.6	42.0	22.7	19.3
12.5°	1169.8	1030.1	814.3	299.8	75.0	20.4	14.8	13.6
15°	1217.5	1046.0	787.0	230.5	42.0	13.6	12.5	11.4
17.5°	1236.8	1032.4	734.8	166.9	22.7	10.2	10.2	10.2
20°	1227.7	988.1	657.6	117.0	14.8	9.1	9.1	9.1
22.5°	1184.5	912.0	561.0	78.4	10.2	7.9	7.9	7.9
25°	1099.4	808.6	458.8	52.2	6.8	6.8	7.9	7.9
27.5°	972.2	681.4	350.9	35.2	5.7	6.8	7.9	7.9
30°	812.0	539.5	252.1	22.7	5.7	6.8	6.8	7.9
32.5°	645.1	393.0	165.8	13.6	4.5	6.8	7.9	9.1
35°	467.9	268.0	105.6	6.8	5.7	6.8	7.9	9.1
37.5°	328.2	174.9	61.3	4.5	5.7	6.8	9.1	9.1
40°	213.5	97.7	22.7	3.4	5.7	7.9	9.1	10.2
42.5°	111.3	34.1	4.5	3.4	5.7	7.9	10.2	11.4
45°	28.4	4.5	1.1	3.4	6.8	9.1	11.4	11.4
47.5°	3.4	1.1	1.1	4.5	6.8	10.2	11.4	12.5
50°	1.1	2.3	2.3	4.5	6.8	10.2	12.5	13.6
52.5°	2.3	2.3	2.3	4.5	7.9	10.2	13.6	14.8
55°	2.3	2.3	2.3	4.5	7.9	11.4	13.6	14.8
57.5°	2.3	2.3	2.3	4.5	7.9	11.4	13.6	13.6
60°	2.3	2.3	2.3	4.5	7.9	11.4	13.6	13.6
62.5°	2.3	2.3	3.4	4.5	7.9	10.2	13.6	13.6
65°	2.3	3.4	3.4	4.5	7.9	10.2	12.5	13.6
67.5°	2.3	2.3	3.4	4.5	7.9	10.2	12.5	13.6
70°	2.3	2.3	3.4	4.5	6.8	9.1	11.4	12.5
72.5°	2.3	2.3	3.4	4.5	6.8	9.1	10.2	11.4
75°	2.3	2.3	3.4	4.5	5.7	7.9	10.2	10.2
77.5°	2.3	2.3	3.4	3.4	5.7	6.8	9.1	9.1
80°	2.3	2.3	3.4	3.4	4.5	5.7	6.8	7.9
82.5°	2.3	2.3	2.3	3.4	3.4	4.5	5.7	5.7
85°	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4
87.5°	1.1	2.3	2.3	2.3	2.3	2.3	2.3	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)