

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: P1305746

Luminaire Tested: P3SQAS09R309024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

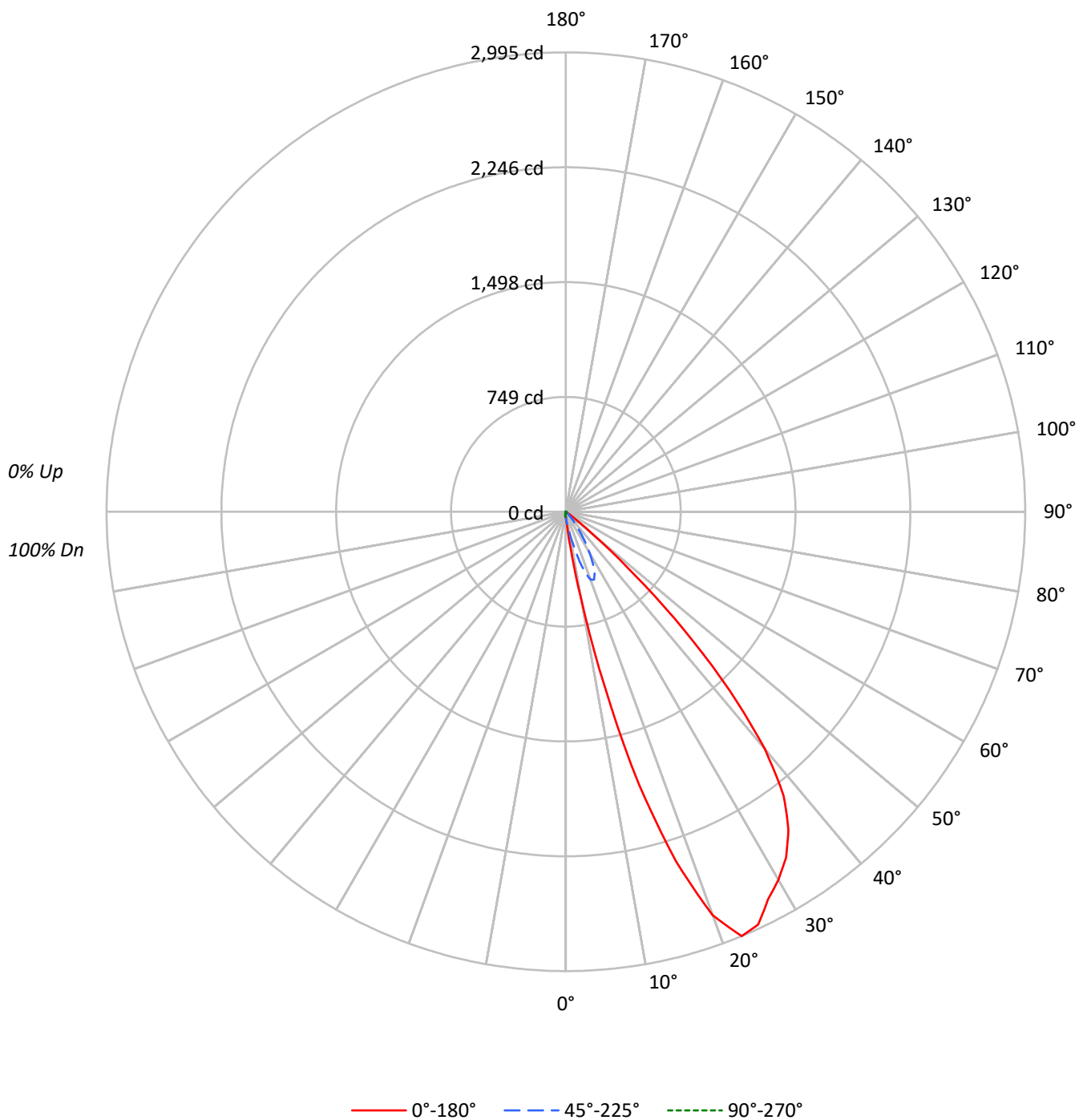
Lumens per Lamp: N/A
Luminaire Lumens: 705.9 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5769	5769	5769	5769	5769
5°	17392	11600	5463	2455	2005
10°	100748	24588	4285	1137	787
15°	327712	55789	2995	232	107
20°	512787	86304	1888	0	0
25°	564170	84334	988	0	0
30°	551017	60813	378	0	0
35°	531815	34585	126	0	0
40°	453531	14658	0	0	0
45°	266162	5504	146	0	146
50°	64652	1045	161	161	509
55°	5615	0	390	570	781
60°	207	0	448	654	1102
65°	245	245	774	774	1304
70°	302	302	957	957	1309
75°	0	399	1264	1264	1264
80°	0	595	1884	1289	1289
85°	0	1186	3754	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 266162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.9
10°-20°	97.0	13.7
20°-30°	246.6	34.9
30°-40°	245.8	34.8
40°-50°	99.6	14.1
50°-60°	6.9	1.0
60°-70°	1.5	0.2
70°-80°	1.5	0.2
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°	349.8	49.5
0°-40°	595.5	84.4
0°-60°	702.0	99.4
0°-90°	705.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	101	67	32	14	12	23
15°	1838	313	17	1	1	535
25°	2969	444	5	0	0	1340
35°	2530	164	1	0	0	1551
45°	1093	23	1	0	1	834
55°	19	0	1	2	3	49
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	55.5	56.1	56.1	54.8	54.2	54.2	52.3	51.6	49.7	47.7	41.3
5°	100.6	98.7	96.1	96.1	90.3	87.1	82.6	77.4	73.5	67.1	47.7
7.5°	228.4	212.9	208.4	202.6	180.6	163.2	143.2	125.8	109.7	96.1	52.9
10°	576.1	545.8	520.6	469.6	405.8	344.5	287.7	221.9	176.8	140.6	56.8
12.5°	1160.6	1119.9	1071.5	978.7	859.3	706.4	570.9	426.4	299.3	207.1	58.1
15°	1838.0	1768.9	1693.4	1575.4	1379.9	1160.6	916.1	685.8	480.6	312.9	56.8
17.5°	2390.2	2363.1	2251.5	2090.2	1850.9	1568.3	1267.0	952.2	648.3	409.7	52.9
20°	2797.9	2779.2	2644.4	2472.8	2203.1	1879.2	1496.7	1118.6	765.1	470.9	47.1
22.5°	2994.7	2991.4	2894.0	2718.5	2432.8	2065.7	1644.4	1214.8	801.2	479.3	39.4
25°	2968.9	2980.5	2925.0	2794.7	2520.5	2142.5	1688.3	1214.8	774.8	443.8	32.9
27.5°	2851.4	2859.2	2824.3	2724.4	2468.9	2087.0	1627.0	1136.7	698.0	381.3	27.1
30°	2770.8	2774.0	2730.8	2623.7	2352.8	1960.5	1482.5	992.2	581.9	305.8	20.0
32.5°	2672.7	2672.1	2621.8	2499.2	2200.5	1783.1	1299.3	820.0	447.1	232.2	11.6
35°	2529.5	2513.4	2445.0	2303.7	1973.4	1544.4	1065.1	624.5	321.9	164.5	7.1
37.5°	2332.8	2290.8	2194.1	2005.0	1654.7	1210.9	789.6	438.7	220.0	109.0	4.5
40°	2017.3	1972.8	1841.2	1611.5	1251.5	871.6	532.2	285.8	138.7	65.2	2.6
42.5°	1581.8	1551.5	1374.1	1145.1	826.4	556.1	320.0	169.0	78.1	37.4	0.6
45°	1092.8	1053.5	914.1	720.0	496.1	308.4	179.3	88.4	44.5	22.6	0.0
47.5°	603.2	554.8	474.2	372.9	249.7	161.9	90.3	47.7	25.2	11.0	0.0
50°	241.3	239.3	190.3	135.5	95.5	73.5	45.2	25.8	12.9	3.9	0.6
52.5°	84.5	84.5	72.9	59.4	46.4	33.5	22.6	12.3	4.5	1.3	0.6
55°	18.7	20.6	19.4	18.1	17.4	14.8	9.7	4.5	1.3	0.0	0.6
57.5°	1.9	1.9	1.9	2.6	3.2	3.2	2.6	1.3	0.0	0.0	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.3
62.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	1.3
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
75°	0.0	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	1.9
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3
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):

	90°	112.5°	135°	157.5°	180°
0°	33.5	33.5	33.5	33.5	33.5
2.5°	33.5	26.5	21.9	19.4	18.7
5°	31.6	20.0	14.2	12.3	11.6
7.5°	28.4	14.8	9.7	7.7	7.1
10°	24.5	11.0	6.5	4.5	4.5
12.5°	20.6	8.4	3.9	1.9	1.3
15°	16.8	5.2	1.3	0.6	0.6
17.5°	12.9	3.2	0.0	0.0	0.0
20°	10.3	1.3	0.0	0.0	0.0
22.5°	7.7	0.6	0.0	0.0	0.0
25°	5.2	0.0	0.0	0.0	0.0
27.5°	3.2	0.0	0.0	0.0	0.0
30°	1.9	0.0	0.0	0.0	0.0
32.5°	0.6	0.0	0.0	0.0	0.0
35°	0.6	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.6	0.0	0.0	0.6	0.6
47.5°	0.6	0.6	0.6	1.3	1.3
50°	0.6	0.6	0.6	1.3	1.9
52.5°	1.3	0.6	1.3	1.9	1.9
55°	1.3	1.3	1.9	2.6	2.6
57.5°	1.3	1.3	1.9	2.6	2.6
60°	1.3	1.3	1.9	2.6	3.2
62.5°	1.9	1.9	1.9	2.6	2.6
65°	1.9	1.9	1.9	2.6	3.2
67.5°	1.9	1.9	1.9	2.6	3.2
70°	1.9	1.9	1.9	2.6	2.6
72.5°	2.6	1.9	1.9	2.6	2.6
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.3	1.9	1.9
80°	1.9	1.3	1.3	1.3	1.3
82.5°	1.9	1.3	1.3	1.3	1.3
85°	1.9	1.3	0.6	0.6	0.6
87.5°	1.9	1.3	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)