

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: P1307878

Luminaire Tested: P3SQAS09R459030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R459030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

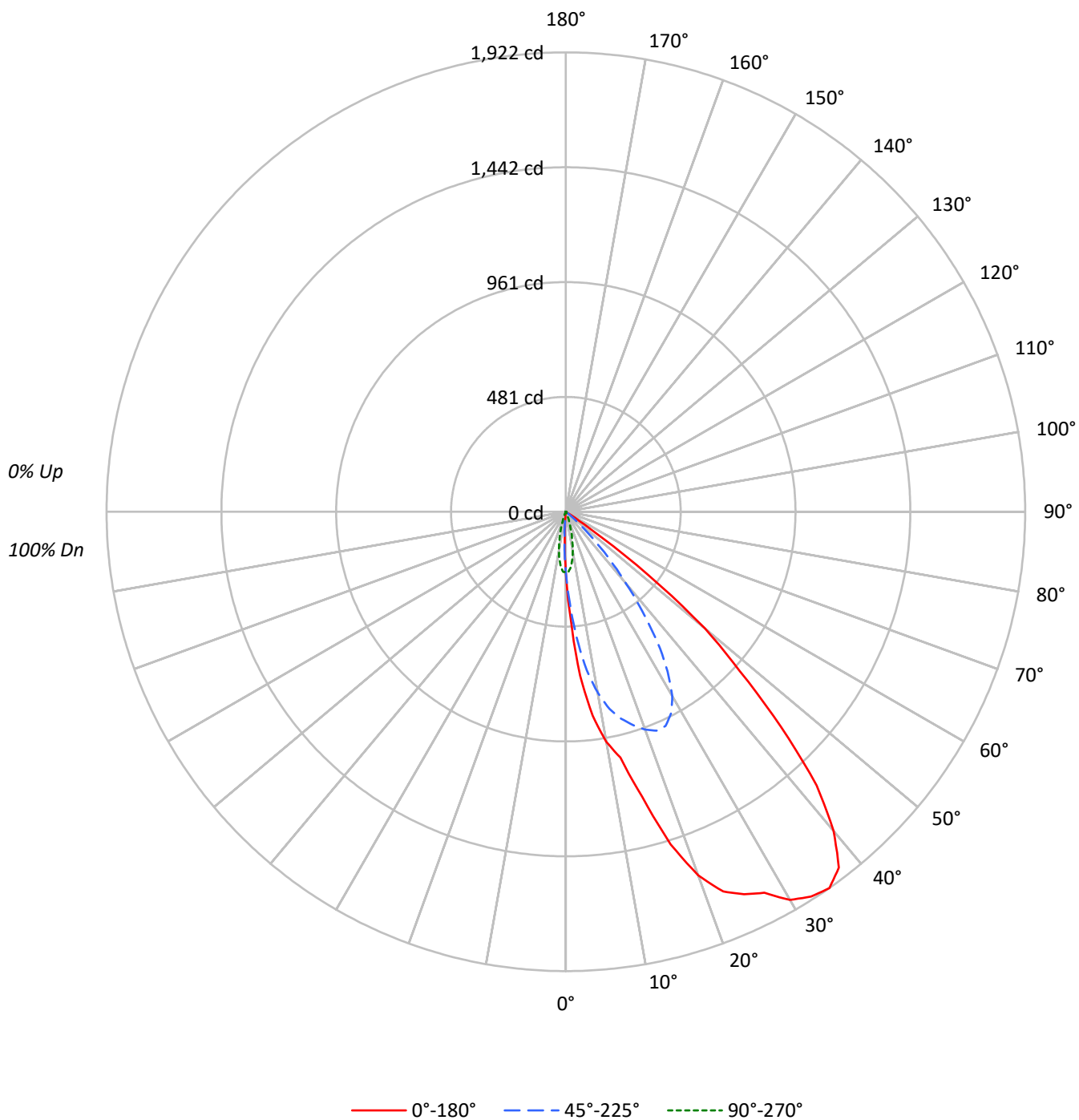
Lumens per Lamp: N/A
Luminaire Lumens: 815.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	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	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43590	43590	43590	43590	43590
5°	119011	91558	40350	8091	3043
10°	170927	134325	29170	769	647
15°	220038	159791	15530	267	0
20°	296576	177777	5901	0	0
25°	335435	187803	1520	0	0
30°	372873	177050	139	0	0
35°	404196	141201	0	0	0
40°	391773	88647	0	0	0
45°	310563	42233	0	0	0
50°	203252	5305	0	0	0
55°	34920	0	0	0	0
60°	0	0	241	0	0
65°	0	285	285	0	0
70°	0	352	755	0	0
75°	0	466	998	0	0
80°	0	694	1488	694	0
85°	0	1383	2964	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 310563 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	3.7
10°-20°	116.1	14.2
20°-30°	217.3	26.7
30°-40°	253.7	31.1
40°-50°	165.4	20.3
50°-60°	30.7	3.8
60°-70°	0.3	0.0
70°-80°	0.6	0.1
80°-90°	0.7	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°	363.6	44.6
0°-40°	617.3	75.7
0°-60°	813.4	99.8
0°-90°	815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	253	253	253	253	253	
5°	688	530	233	47	18	74
15°	1234	896	87	2	0	368
25°	1765	988	8	0	0	816
35°	1922	672	0	0	0	1179
45°	1275	173	0	0	0	970
55°	116	0	0	0	0	202
65°	0	1	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	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°	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1
2.5°	446.2	449.9	442.6	439.7	430.2	432.3	416.3	409.7	399.4	382.6	374.6
5°	688.4	681.8	676.0	663.5	656.2	636.5	614.5	589.6	559.6	529.6	495.3
7.5°	861.0	855.9	853.7	843.5	828.8	808.4	779.8	748.4	709.6	669.4	617.4
10°	977.4	972.2	963.5	953.2	941.5	924.7	896.9	862.5	820.1	768.1	707.4
12.5°	1053.4	1052.7	1038.1	1026.4	1011.7	997.1	968.6	940.8	899.1	845.7	776.9
15°	1234.1	1222.4	1203.4	1170.5	1129.5	1091.5	1045.4	1001.5	956.1	896.2	819.3
17.5°	1459.4	1446.3	1414.1	1372.4	1306.6	1234.1	1155.1	1085.6	1017.6	936.4	845.7
20°	1618.2	1613.1	1586.0	1537.7	1467.5	1371.7	1267.8	1169.8	1073.9	970.0	858.1
22.5°	1719.9	1717.0	1706.0	1673.1	1601.4	1493.8	1360.0	1228.3	1112.7	991.3	854.5
25°	1765.2	1768.9	1770.4	1754.3	1696.5	1586.7	1428.0	1272.9	1134.6	988.3	826.7
27.5°	1797.4	1797.4	1803.3	1796.0	1737.4	1621.9	1454.3	1288.3	1127.3	952.5	768.1
30°	1875.0	1873.5	1877.2	1857.4	1776.2	1632.8	1442.6	1263.4	1085.6	890.3	684.0
32.5°	1908.6	1910.1	1909.4	1877.9	1783.5	1625.5	1414.1	1215.8	1008.8	793.0	572.8
35°	1922.5	1915.9	1888.9	1817.2	1697.9	1528.2	1333.6	1135.4	901.3	671.6	452.1
37.5°	1876.4	1857.4	1797.4	1699.4	1553.8	1390.7	1200.5	991.3	758.6	526.7	340.2
40°	1742.6	1717.7	1642.3	1523.8	1390.7	1243.6	1043.2	822.3	593.3	394.3	238.5
42.5°	1553.1	1524.6	1443.4	1340.2	1218.8	1064.4	864.7	643.8	434.5	272.1	151.4
45°	1275.1	1259.0	1212.2	1125.1	1005.9	845.7	662.8	469.7	300.7	173.4	77.5
47.5°	986.1	965.6	932.0	872.0	772.5	620.4	463.8	319.0	193.1	85.6	16.1
50°	758.6	734.5	693.5	626.9	523.1	414.1	300.7	199.0	98.0	19.8	0.7
52.5°	436.7	441.9	422.1	379.7	321.9	248.0	174.1	100.2	21.9	0.7	0.0
55°	116.3	125.8	122.9	132.4	116.3	98.0	72.4	19.0	1.5	0.0	0.0
57.5°	0.0	0.0	0.7	1.5	4.4	6.6	2.2	0.7	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1
2.5°	356.3	340.9	321.9	251.7	189.5	136.1	106.1	98.0
5°	462.3	425.0	376.7	233.4	117.0	46.8	21.2	17.6
7.5°	562.6	507.7	420.6	204.1	59.3	11.7	5.9	5.1
10°	640.1	566.2	452.8	166.8	21.9	4.4	3.7	3.7
12.5°	693.5	603.5	464.5	126.6	8.0	2.2	2.2	1.5
15°	724.2	618.2	453.6	87.1	2.9	1.5	0.0	0.0
17.5°	733.7	612.3	424.3	54.9	0.7	0.0	0.0	0.0
20°	725.7	583.8	378.2	32.2	0.0	0.0	0.0	0.0
22.5°	699.4	539.2	322.6	17.6	0.0	0.0	0.0	0.0
25°	650.4	476.2	257.5	8.0	0.0	0.0	0.0	0.0
27.5°	570.6	395.0	193.9	2.9	0.0	0.0	0.0	0.0
30°	479.9	308.0	137.5	0.7	0.0	0.0	0.0	0.0
32.5°	374.6	226.8	88.5	0.0	0.0	0.0	0.0	0.0
35°	281.6	158.7	52.7	0.0	0.0	0.0	0.0	0.0
37.5°	196.1	100.2	27.8	0.0	0.0	0.0	0.0	0.0
40°	122.2	54.1	9.5	0.0	0.0	0.0	0.0	0.0
42.5°	68.0	19.0	0.7	0.0	0.0	0.0	0.0	0.0
45°	16.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.7	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	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	1.5	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	1.5	1.5	0.7	0.0	0.0	0.0
75°	0.7	0.7	1.5	1.5	0.7	0.0	0.0	0.0
77.5°	0.7	1.5	1.5	1.5	0.7	0.7	0.0	0.0
80°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0
82.5°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0
85°	0.7	1.5	1.5	1.5	0.7	0.7	0.0	0.0
87.5°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)