

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: P1305622

Luminaire Tested: P3SQAS05R409024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

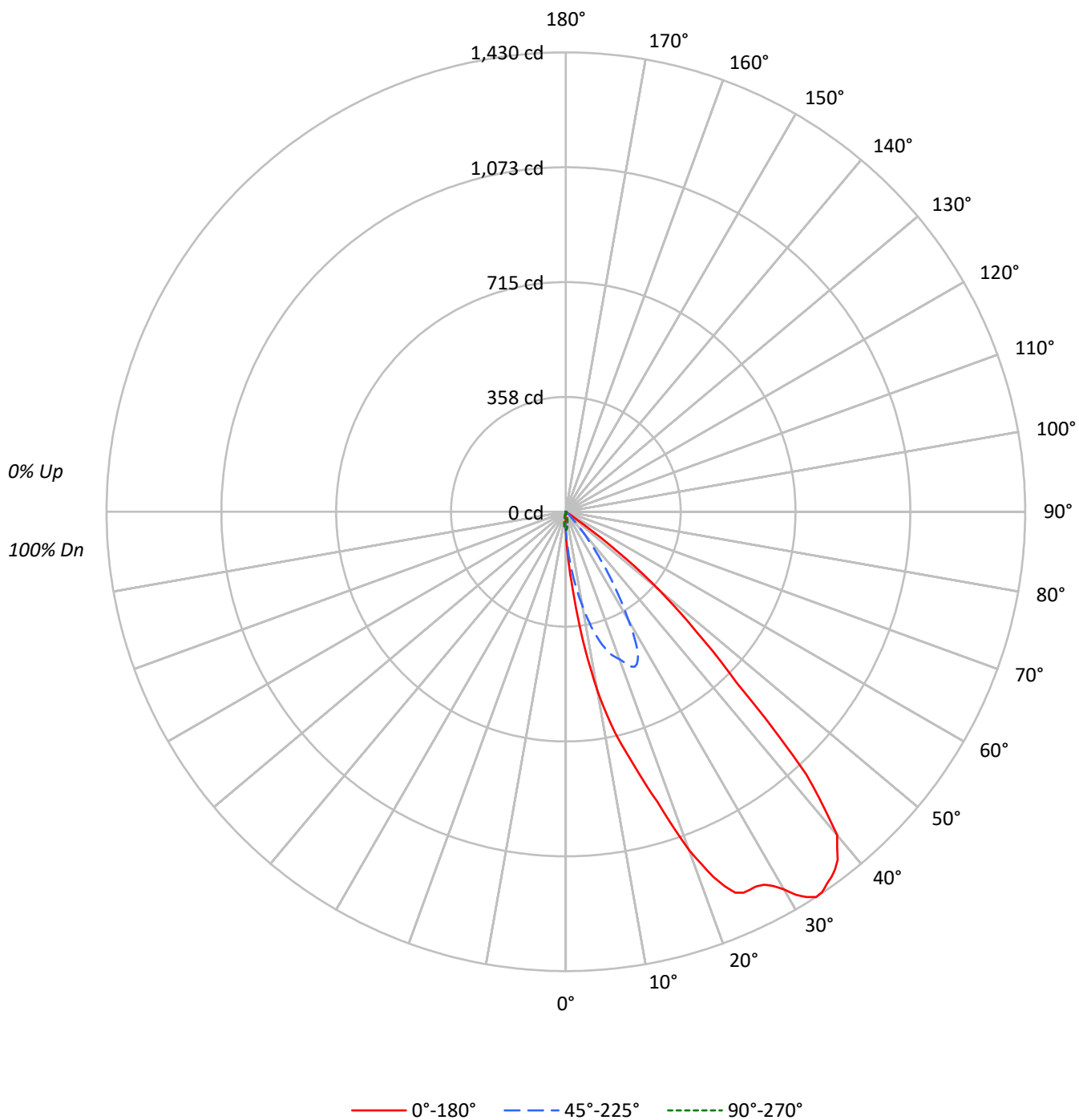
Lumens per Lamp: N/A
Luminaire Lumens: 480.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	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	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	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9662	9662	9662	9662	9662
5°	41042	27972	8488	1521	761
10°	98649	52027	5264	157	0
15°	145188	75581	2211	0	0
20°	205214	89603	806	0	0
25°	248555	99460	0	0	0
30°	269880	77796	0	0	0
35°	297602	45539	0	0	0
40°	295369	18480	0	0	0
45°	182913	5383	0	0	0
50°	101867	107	0	0	0
55°	9969	0	0	0	0
60°	0	0	138	0	0
65°	0	0	163	0	0
70°	0	201	453	0	0
75°	0	266	599	0	0
80°	0	397	893	0	0
85°	0	790	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 183790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	2.2
10°-20°	61.9	12.9
20°-30°	141.2	29.4
30°-40°	166.8	34.7
40°-50°	89.1	18.6
50°-60°	9.7	2.0
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	213.6	44.5
0°-40°	380.4	79.2
0°-60°	479.1	99.8
0°-90°	480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	480.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	237	162	49	9	4	33
15°	814	424	12	0	0	242
25°	1308	523	0	0	0	594
35°	1416	217	0	0	0	874
45°	751	22	0	0	0	619
55°	33	0	0	0	0	93
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
2.5°	130.8	128.2	130.0	126.4	126.4	118.5	118.9	112.3	102.6	78.2	55.7
5°	237.4	248.0	239.6	228.5	222.4	214.4	203.8	192.7	161.8	97.7	49.1
7.5°	397.4	396.5	382.4	370.4	356.7	335.5	315.6	288.7	230.3	111.8	40.7
10°	564.1	561.0	545.1	534.9	508.8	478.3	437.6	394.3	297.5	116.7	30.1
12.5°	702.9	698.9	685.6	668.4	639.7	601.2	557.4	500.4	368.2	111.4	19.5
15°	814.3	813.4	800.6	777.1	747.1	709.5	660.0	591.5	423.9	97.7	12.4
17.5°	946.4	951.7	928.8	903.6	860.2	807.6	747.1	668.8	465.0	80.9	8.0
20°	1119.7	1112.2	1091.0	1054.3	1012.7	949.5	863.8	751.9	488.9	62.8	4.4
21°	1172.8	1169.7	1147.6	1113.5	1067.6	1003.5	915.0	794.4	500.0	56.1	3.5
22°	1226.7	1221.4	1204.2	1171.0	1127.7	1055.2	957.9	838.1	514.1	49.1	2.2
23°	1266.9	1264.7	1251.5	1218.7	1174.1	1103.8	1004.3	878.8	523.8	42.4	1.3
24°	1297.9	1295.2	1282.0	1257.2	1218.7	1145.4	1051.2	922.6	527.8	36.7	0.4
25°	1308.0	1309.4	1301.4	1282.0	1249.7	1176.3	1086.1	957.0	523.4	31.4	0.0
26°	1308.5	1312.5	1306.7	1295.7	1269.1	1201.1	1118.8	977.4	511.9	26.5	0.0
27°	1308.5	1312.5	1306.7	1298.3	1272.2	1215.2	1136.5	979.6	494.2	22.5	0.0
28°	1314.7	1316.9	1309.4	1299.2	1270.9	1219.6	1141.4	966.3	465.9	19.5	0.0
29°	1331.9	1329.7	1317.3	1303.6	1269.6	1219.6	1126.8	941.1	430.6	16.4	0.0
30°	1357.1	1357.1	1337.7	1316.0	1275.8	1219.2	1103.4	895.6	391.2	13.3	0.0
31°	1391.1	1388.0	1368.6	1336.3	1289.0	1219.2	1068.9	845.2	355.0	11.5	0.0
32°	1414.1	1412.4	1393.8	1355.8	1310.7	1219.2	1031.8	789.5	315.6	9.3	0.0
33°	1430.0	1426.5	1405.3	1365.9	1323.9	1213.0	990.2	729.8	280.3	7.5	0.0
34°	1427.8	1426.9	1404.8	1364.2	1321.3	1187.4	942.0	663.5	247.5	6.2	0.0
35°	1415.5	1415.5	1388.5	1346.5	1302.3	1149.8	894.3	606.9	216.6	4.4	0.0
36°	1406.2	1402.6	1372.1	1325.3	1270.5	1090.5	823.5	549.9	183.5	3.5	0.0
37°	1392.5	1385.8	1351.8	1301.4	1225.4	1026.4	749.3	499.1	155.2	2.2	0.0
38°	1374.8	1364.6	1323.1	1273.6	1175.9	952.6	673.7	442.1	129.1	1.3	0.0
39°	1342.5	1334.1	1291.2	1237.7	1116.6	874.8	600.3	388.6	104.3	0.4	0.0
40°	1313.8	1299.2	1250.6	1189.1	1047.2	786.9	527.4	336.0	82.2	0.0	0.0
42.5°	1107.8	1092.3	1081.3	1020.3	834.2	564.9	368.2	215.3	42.9	0.0	0.0
45°	751.0	754.6	720.1	679.0	550.4	368.2	230.3	119.8	22.1	0.0	0.0
47.5°	547.7	538.4	491.6	413.8	322.7	215.3	120.2	57.9	8.8	0.0	0.0
50°	380.2	362.5	320.0	261.7	175.5	102.6	53.0	27.0	0.4	0.0	0.0
52.5°	206.4	194.1	164.4	119.4	72.9	39.3	21.2	11.1	0.0	0.0	0.0
55°	33.2	23.0	23.9	20.3	15.9	11.5	6.6	1.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9
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):

	112.5°	135°	157.5°	180°
0°	56.1	56.1	56.1	56.1
2.5°	37.6	25.6	19.5	16.8
5°	21.7	8.8	4.9	4.4
7.5°	10.6	3.1	1.8	1.8
10°	4.4	0.9	0.0	0.0
12.5°	1.3	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)