

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: P1314070

Luminaire Tested: P3SQAS05R359735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

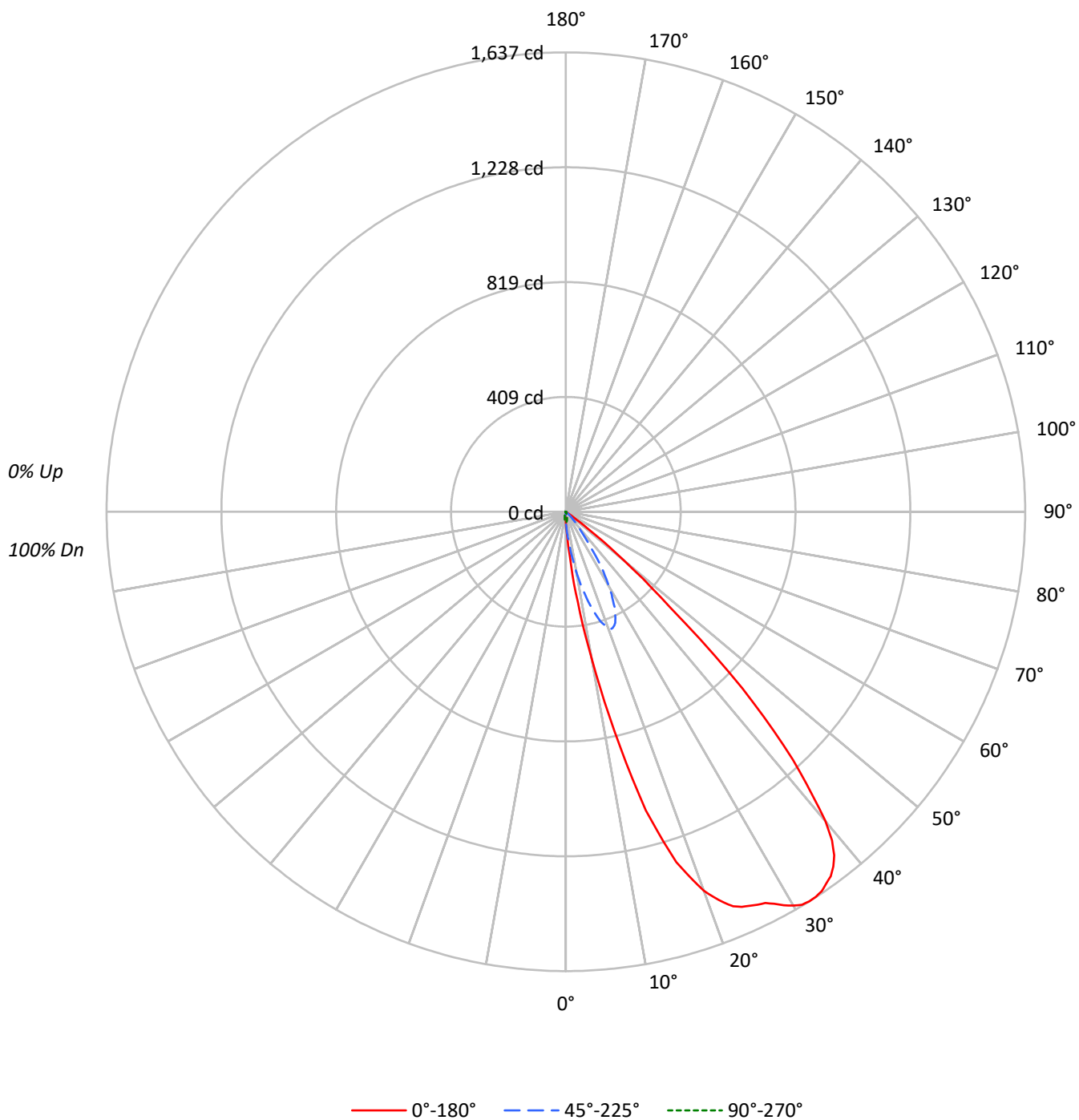
Lumens per Lamp: N/A
Luminaire Lumens: 489.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	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°	6355	6355	6355	6355	6355
5°	27574	17098	5895	2092	1452
10°	92844	38596	4407	490	157
15°	196467	63296	2746	0	0
20°	263422	80879	1283	0	0
25°	294408	79431	266	0	0
30°	322282	60853	0	0	0
35°	340134	33156	0	0	0
40°	323337	14883	0	0	0
45°	217012	6600	0	0	0
50°	72502	616	0	0	0
55°	3933	0	0	0	0
60°	0	0	172	0	0
65°	0	0	367	0	0
70°	0	252	453	0	0
75°	0	333	599	0	0
80°	0	496	893	0	0
85°	0	988	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 217012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	1.6
10°-20°	67.8	13.9
20°-30°	148.9	30.4
30°-40°	172.2	35.2
40°-50°	85.0	17.4
50°-60°	6.3	1.3
60°-70°	0.2	0.0
70°-80°	0.4	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°	224.6	45.9
0°-40°	396.8	81.1
0°-60°	488.1	99.8
0°-90°	489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	489.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	160	99	34	12	8	27
15°	1102	355	15	0	0	311
25°	1549	418	1	0	0	716
35°	1618	158	0	0	0	999
45°	891	27	0	0	0	654
55°	13	0	0	0	0	53
65°	0	0	1	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°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
2.5°	73.2	75.1	74.2	74.2	73.7	71.4	67.2	65.8	60.6	48.1	37.3
5°	159.5	160.0	158.6	151.6	145.5	140.0	127.8	122.2	98.9	58.8	34.1
7.5°	323.8	316.8	307.9	298.1	276.6	257.0	231.4	204.3	153.0	68.1	30.3
10°	530.9	521.1	513.6	490.3	451.6	411.5	362.5	318.2	220.7	74.6	25.2
12.5°	798.2	792.6	766.0	719.4	662.0	604.1	518.8	448.3	288.8	76.0	20.5
15°	1101.9	1092.6	1052.0	985.7	907.8	816.9	702.6	584.1	355.0	71.8	15.4
17.5°	1309.5	1304.3	1269.4	1199.9	1110.3	994.6	859.3	711.4	409.6	63.0	10.7
20°	1437.3	1429.8	1397.2	1338.4	1244.6	1123.8	963.3	792.6	441.3	51.8	7.0
21°	1470.4	1463.0	1436.8	1375.7	1286.2	1156.5	991.8	812.2	447.4	46.7	5.6
22°	1501.7	1494.2	1466.7	1412.6	1323.9	1188.7	1014.2	827.1	446.4	42.5	4.2
23°	1527.8	1519.9	1492.8	1442.9	1353.8	1217.1	1031.0	834.6	440.4	38.3	3.3
24°	1541.3	1536.7	1512.4	1465.3	1378.1	1237.2	1042.6	837.4	432.9	34.1	2.3
25°	1549.3	1543.7	1519.9	1476.5	1393.9	1253.0	1050.1	835.0	418.0	30.3	1.4
26°	1557.7	1549.3	1522.2	1480.2	1402.3	1260.5	1050.6	829.0	402.1	27.1	0.5
27°	1565.1	1557.2	1529.2	1483.0	1403.7	1258.2	1046.8	817.3	383.0	23.8	0.5
28°	1581.5	1572.6	1540.4	1489.1	1405.1	1252.1	1035.2	801.5	357.8	21.0	0.0
29°	1602.9	1593.6	1556.7	1503.5	1408.4	1245.6	1019.3	780.5	335.9	18.7	0.0
30°	1620.6	1612.2	1578.2	1521.7	1416.8	1239.5	1000.7	752.0	306.0	15.9	0.0
31°	1633.7	1625.3	1594.0	1537.1	1424.2	1233.9	977.3	722.6	279.0	14.0	0.0
32°	1637.0	1630.0	1600.6	1543.7	1424.2	1225.5	955.9	689.5	252.4	11.7	0.0
33°	1635.6	1628.6	1598.7	1539.0	1411.6	1205.5	929.7	649.8	222.1	10.3	0.0
34°	1630.4	1622.0	1590.3	1524.1	1386.9	1171.4	892.0	610.2	190.3	8.4	0.0
35°	1617.8	1610.4	1575.9	1496.1	1348.7	1119.6	841.6	564.5	157.7	7.0	0.0
36°	1605.7	1594.5	1552.1	1461.6	1298.3	1066.4	781.4	511.8	129.7	5.6	0.0
37°	1583.3	1567.5	1524.5	1411.6	1226.9	991.3	712.8	453.9	108.7	4.2	0.0
38°	1553.5	1532.0	1477.4	1353.8	1155.1	920.9	648.4	401.7	91.4	2.8	0.0
39°	1507.3	1482.1	1407.9	1274.5	1072.0	839.2	574.7	346.1	77.9	1.9	0.0
40°	1438.2	1414.4	1332.3	1180.3	989.5	749.2	499.2	283.6	66.2	0.9	0.0
42.5°	1197.5	1164.9	1069.7	918.5	731.5	538.8	330.3	157.7	43.9	0.0	0.0
45°	891.0	862.1	768.8	631.2	487.5	329.8	176.8	92.8	27.1	0.0	0.0
47.5°	503.4	500.1	439.4	362.5	272.0	175.4	89.6	56.0	11.7	0.0	0.0
50°	270.6	253.8	218.8	166.1	113.4	76.5	48.5	30.8	2.3	0.0	0.0
52.5°	98.9	95.6	80.2	66.7	51.3	35.0	24.7	13.5	0.0	0.0	0.0
55°	13.1	12.1	12.6	13.5	14.0	12.1	7.9	2.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	0.9	0.9	0.9	0.0	0.0	0.0	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9
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	0.5	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.0	0.5	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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°	36.9	36.9	36.9	36.9
2.5°	28.5	21.9	18.7	18.2
5°	19.6	12.1	8.9	8.4
7.5°	13.5	6.1	4.2	3.7
10°	7.9	2.8	1.4	0.9
12.5°	4.7	0.5	0.0	0.0
15°	1.4	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)