

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: P1313097

Luminaire Tested: P3SQAS05R359730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313097
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: P3SQAS05R359730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

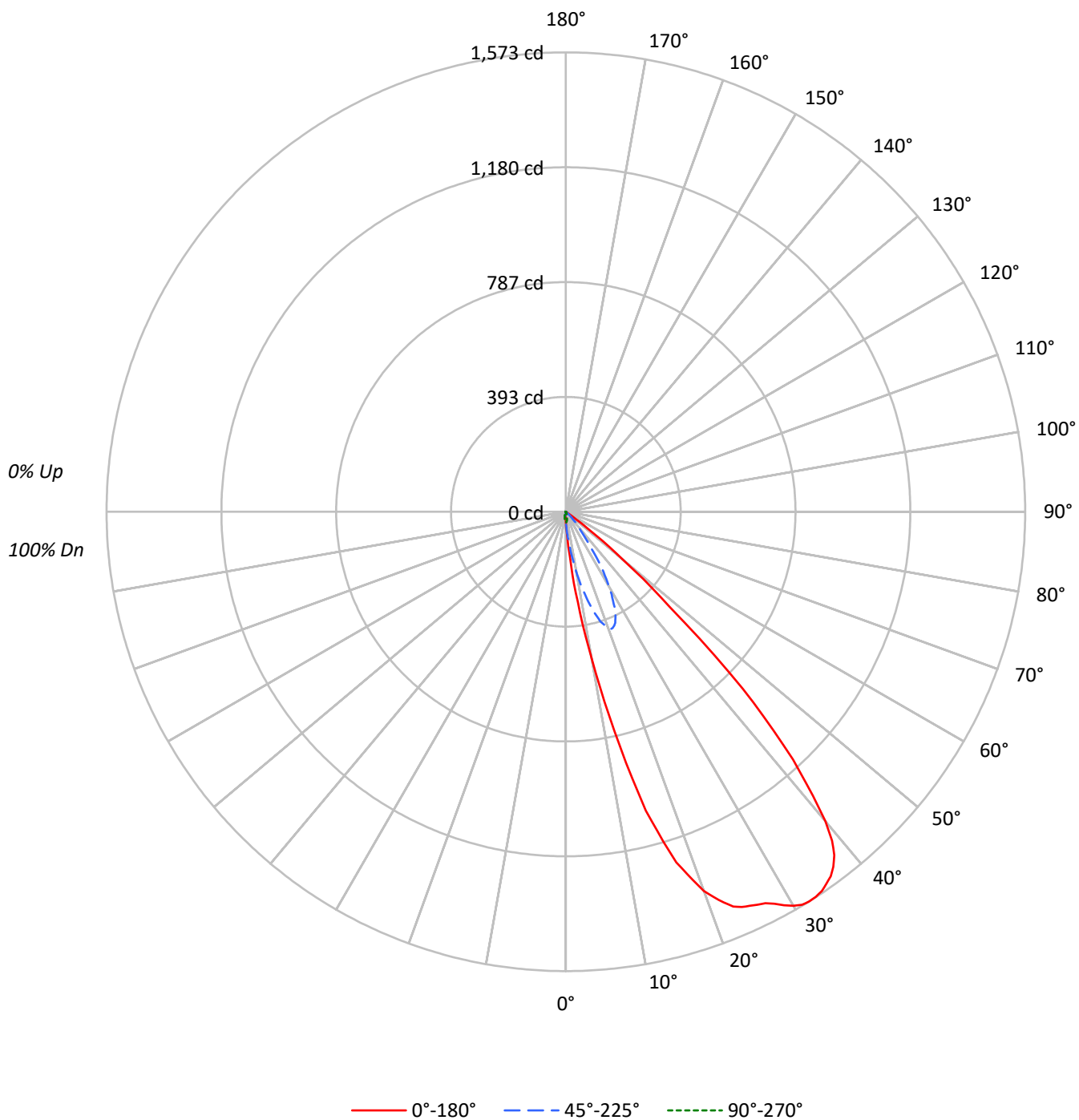
Lumens per Lamp: N/A
Luminaire Lumens: 470.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	92		
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	55	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°	6097	6097	6097	6097	6097
5°	26503	16441	5653	2023	1400
10°	89241	37092	4232	472	157
15°	188835	60835	2639	0	0
20°	253195	77745	1228	0	0
25°	282969	76334	247	0	0
30°	309773	58486	0	0	0
35°	326931	31873	0	0	0
40°	310792	14321	0	0	0
45°	208584	6333	0	0	0
50°	69689	589	0	0	0
55°	3783	0	0	0	0
60°	0	0	138	0	0
65°	0	0	367	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: 0°

Vertical Angle: 45°

Luminance: 208584 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	1.6
10°-20°	65.2	13.9
20°-30°	143.1	30.4
30°-40°	165.5	35.2
40°-50°	81.7	17.4
50°-60°	6.0	1.3
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°	215.9	45.9
0°-40°	381.4	81.2
0°-60°	469.1	99.8
0°-90°	470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	470.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	153	95	33	12	8	26
15°	1059	341	15	0	0	299
25°	1489	402	1	0	0	688
35°	1555	152	0	0	0	960
45°	856	26	0	0	0	629
55°	13	0	0	0	0	51
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°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2.5°	70.4	72.2	71.3	71.3	70.8	68.6	64.6	63.2	58.3	46.2	35.9
5°	153.3	153.8	152.4	145.7	139.9	134.5	122.9	117.5	95.1	56.5	32.7
7.5°	311.2	304.4	295.9	286.5	265.9	247.1	222.4	196.4	147.1	65.5	29.1
10°	510.3	500.8	493.7	471.2	434.0	395.5	348.4	305.8	212.1	71.7	24.2
12.5°	767.2	761.8	736.2	691.4	636.3	580.7	498.6	430.9	277.5	73.1	19.7
15°	1059.1	1050.1	1011.1	947.4	872.5	785.1	675.3	561.4	341.2	69.1	14.8
17.5°	1258.6	1253.7	1220.0	1153.2	1067.1	955.9	825.9	683.8	393.7	60.5	10.3
20°	1381.5	1374.3	1342.9	1286.4	1196.3	1080.1	925.9	761.8	424.2	49.8	6.7
21°	1413.3	1406.1	1381.0	1322.3	1236.2	1111.5	953.3	780.6	430.0	44.8	5.4
22°	1443.3	1436.2	1409.7	1357.7	1272.5	1142.5	974.8	795.0	429.1	40.8	4.0
23°	1468.4	1460.8	1434.8	1386.8	1301.2	1169.8	990.9	802.2	423.3	36.8	3.1
24°	1481.4	1477.0	1453.6	1408.4	1324.5	1189.1	1002.1	804.8	416.1	32.7	2.2
25°	1489.1	1483.7	1460.8	1419.1	1339.8	1204.3	1009.3	802.6	401.7	29.1	1.3
26°	1497.1	1489.1	1463.1	1422.7	1347.8	1211.5	1009.8	796.8	386.5	26.0	0.4
27°	1504.3	1496.7	1469.8	1425.4	1349.2	1209.3	1006.2	785.6	368.1	22.9	0.4
28°	1520.0	1511.5	1480.5	1431.2	1350.5	1203.5	995.0	770.3	343.9	20.2	0.0
29°	1540.6	1531.7	1496.2	1445.1	1353.7	1197.2	979.7	750.1	322.8	17.9	0.0
30°	1557.7	1549.6	1516.9	1462.6	1361.7	1191.3	961.8	722.8	294.1	15.2	0.0
31°	1570.2	1562.2	1532.1	1477.4	1368.9	1186.0	939.4	694.5	268.1	13.5	0.0
32°	1573.4	1566.6	1538.4	1483.7	1368.9	1177.9	918.7	662.7	242.6	11.2	0.0
33°	1572.0	1565.3	1536.6	1479.2	1356.8	1158.6	893.6	624.6	213.4	9.9	0.0
34°	1567.1	1559.0	1528.5	1464.9	1333.0	1125.9	857.3	586.5	182.9	8.1	0.0
35°	1555.0	1547.8	1514.6	1438.0	1296.3	1076.1	808.9	542.5	151.6	6.7	0.0
36°	1543.3	1532.6	1491.8	1404.8	1247.8	1025.0	751.0	491.9	124.6	5.4	0.0
37°	1521.8	1506.6	1465.3	1356.8	1179.2	952.8	685.1	436.3	104.5	4.0	0.0
38°	1493.1	1472.5	1420.0	1301.2	1110.2	885.1	623.2	386.1	87.9	2.7	0.0
39°	1448.7	1424.5	1353.2	1225.0	1030.4	806.6	552.4	332.7	74.9	1.8	0.0
40°	1382.4	1359.5	1280.6	1134.4	951.0	720.1	479.8	272.6	63.7	0.9	0.0
42.5°	1151.0	1119.6	1028.1	882.9	703.1	517.9	317.5	151.6	42.1	0.0	0.0
45°	856.4	828.6	738.9	606.7	468.6	317.0	169.9	89.2	26.0	0.0	0.0
47.5°	483.8	480.7	422.4	348.4	261.4	168.6	86.1	53.8	11.2	0.0	0.0
50°	260.1	243.9	210.3	159.6	109.0	73.5	46.6	29.6	2.2	0.0	0.0
52.5°	95.1	91.9	77.1	64.1	49.3	33.6	23.8	13.0	0.0	0.0	0.0
55°	12.6	11.7	12.1	13.0	13.5	11.7	7.6	2.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.9	0.9	0.9	0.0	0.0	0.0	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	0.9
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	0.4	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	0.0	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	0.0	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	0.0	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	0.0	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°	35.4	35.4	35.4	35.4
2.5°	27.4	21.1	17.9	17.5
5°	18.8	11.7	8.5	8.1
7.5°	13.0	5.8	4.0	3.6
10°	7.6	2.7	1.3	0.9
12.5°	4.5	0.4	0.0	0.0
15°	1.3	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)