

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: P1305605

Luminaire Tested: P3SQAS05R359024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305605
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: P3SQAS05R359024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

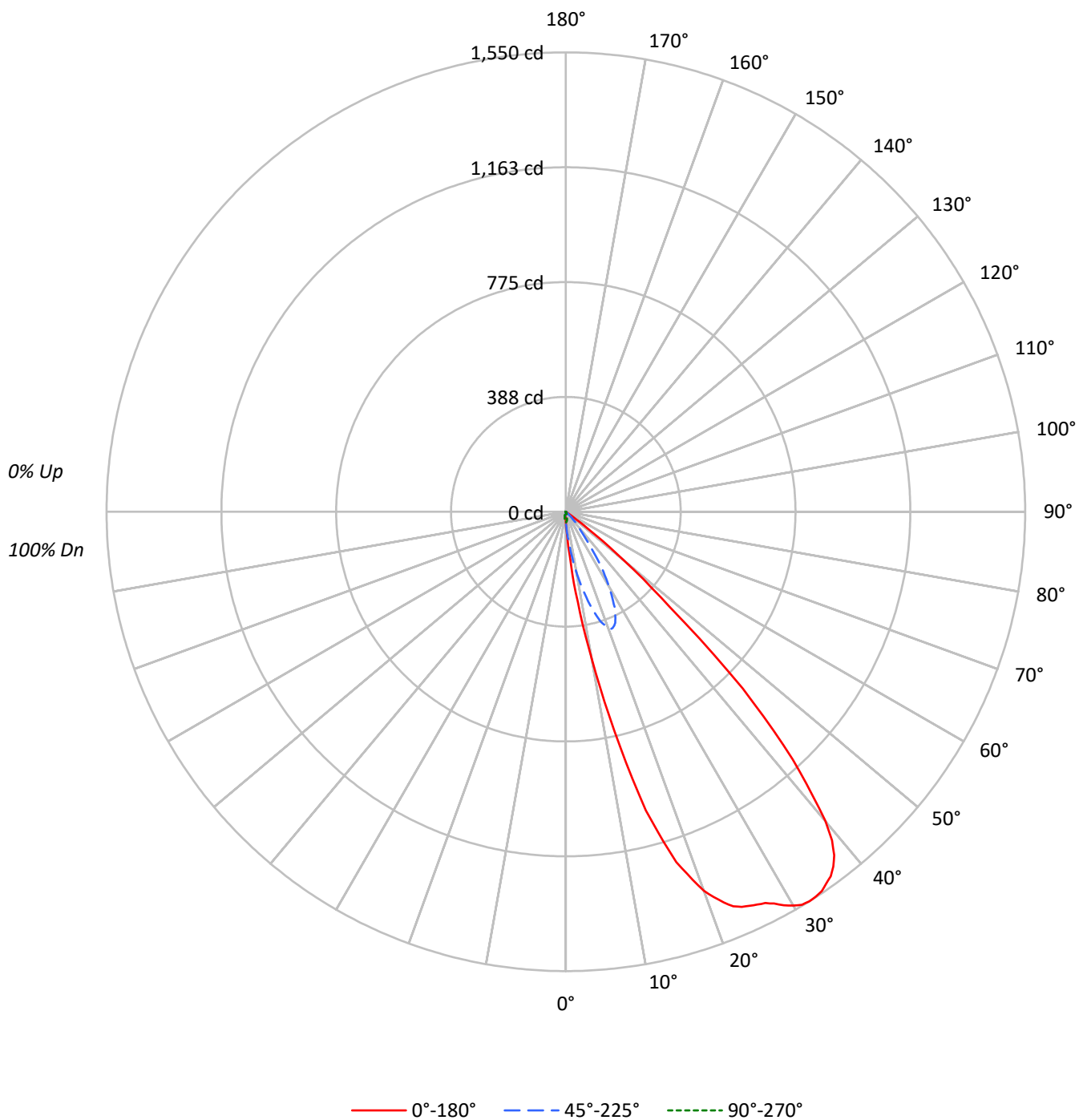
Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	6011	6011	6011	6011	6011
5°	26122	16182	5567	1988	1383
10°	87912	36532	4180	472	157
15°	186018	59926	2603	0	0
20°	249420	76573	1210	0	0
25°	278750	75213	247	0	0
30°	305159	57631	0	0	0
35°	322053	31390	0	0	0
40°	306161	14096	0	0	0
45°	205491	6235	0	0	0
50°	68644	589	0	0	0
55°	3723	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: 205491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	1.6
10°-20°	64.2	13.9
20°-30°	141.0	30.4
30°-40°	163.0	35.2
40°-50°	80.5	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°	212.7	45.9
0°-40°	375.7	81.2
0°-60°	462.2	99.8
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	151	94	32	12	8	26
15°	1043	336	15	0	0	294
25°	1467	396	1	0	0	678
35°	1532	149	0	0	0	946
45°	844	26	0	0	0	619
55°	12	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°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
2.5°	69.3	71.1	70.2	70.2	69.8	67.6	63.6	62.3	57.4	45.5	35.3
5°	151.1	151.5	150.2	143.6	137.8	132.5	121.0	115.7	93.6	55.7	32.2
7.5°	306.5	299.9	291.5	282.2	261.9	243.4	219.1	193.5	144.9	64.5	28.7
10°	502.7	493.4	486.3	464.2	427.6	389.6	343.2	301.2	208.9	70.7	23.9
12.5°	755.8	750.5	725.3	681.1	626.8	572.0	491.2	424.5	273.4	72.0	19.4
15°	1043.3	1034.5	996.0	933.3	859.6	773.4	665.2	553.0	336.1	68.0	14.6
17.5°	1239.9	1235.0	1201.9	1136.1	1051.2	941.7	813.6	673.6	387.8	59.6	10.2
20°	1360.9	1353.8	1322.9	1267.2	1178.5	1064.1	912.1	750.5	417.8	49.0	6.6
21°	1392.2	1385.2	1360.4	1302.6	1217.8	1095.0	939.1	769.0	423.6	44.2	5.3
22°	1421.8	1414.8	1388.7	1337.5	1253.5	1125.5	960.3	783.1	422.7	40.2	4.0
23°	1446.6	1439.1	1413.4	1366.2	1281.8	1152.4	976.2	790.2	417.0	36.2	3.1
24°	1459.4	1455.0	1432.0	1387.4	1304.8	1171.4	987.2	792.9	409.9	32.2	2.2
25°	1466.9	1461.6	1439.1	1398.0	1319.8	1186.4	994.3	790.6	395.8	28.7	1.3
26°	1474.8	1466.9	1441.3	1401.5	1327.8	1193.5	994.7	784.9	380.7	25.6	0.4
27°	1481.9	1474.4	1447.9	1404.2	1329.1	1191.3	991.2	773.9	362.6	22.5	0.4
28°	1497.4	1489.0	1458.5	1409.9	1330.4	1185.5	980.1	758.8	338.8	19.9	0.0
29°	1517.7	1508.9	1474.0	1423.6	1333.5	1179.3	965.1	739.0	318.0	17.7	0.0
30°	1534.5	1526.5	1494.3	1440.8	1341.4	1173.6	947.5	712.0	289.8	15.0	0.0
31°	1546.8	1538.9	1509.3	1455.4	1348.5	1168.3	925.4	684.2	264.1	13.3	0.0
32°	1549.9	1543.3	1515.5	1461.6	1348.5	1160.4	905.0	652.8	239.0	11.0	0.0
33°	1548.6	1542.0	1513.7	1457.2	1336.6	1141.4	880.3	615.3	210.2	9.7	0.0
34°	1543.7	1535.8	1505.8	1443.0	1313.2	1109.1	844.5	577.7	180.2	8.0	0.0
35°	1531.8	1524.8	1492.1	1416.5	1277.0	1060.1	796.8	534.5	149.3	6.6	0.0
36°	1520.3	1509.7	1469.5	1383.9	1229.3	1009.7	739.9	484.5	122.8	5.3	0.0
37°	1499.1	1484.1	1443.5	1336.6	1161.7	938.6	674.9	429.8	102.9	4.0	0.0
38°	1470.9	1450.5	1398.9	1281.8	1093.7	871.9	614.0	380.3	86.6	2.7	0.0
39°	1427.1	1403.3	1333.1	1206.7	1015.0	794.6	544.2	327.7	73.8	1.8	0.0
40°	1361.8	1339.2	1261.5	1117.5	936.8	709.4	472.6	268.6	62.7	0.9	0.0
42.5°	1133.8	1102.9	1012.8	869.7	692.6	510.2	312.7	149.3	41.5	0.0	0.0
45°	843.7	816.3	727.9	597.6	461.6	312.3	167.4	87.9	25.6	0.0	0.0
47.5°	476.6	473.5	416.1	343.2	257.5	166.1	84.8	53.0	11.0	0.0	0.0
50°	256.2	240.3	207.2	157.2	107.3	72.4	45.9	29.2	2.2	0.0	0.0
52.5°	93.6	90.5	76.0	63.2	48.6	33.1	23.4	12.8	0.0	0.0	0.0
55°	12.4	11.5	11.9	12.8	13.3	11.5	7.5	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°	34.9	34.9	34.9	34.9
2.5°	26.9	20.8	17.7	17.2
5°	18.6	11.5	8.4	8.0
7.5°	12.8	5.7	4.0	3.5
10°	7.5	2.7	1.3	0.9
12.5°	4.4	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)