

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: P1309653

Luminaire Tested: P3SQAS24R709035D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709035D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

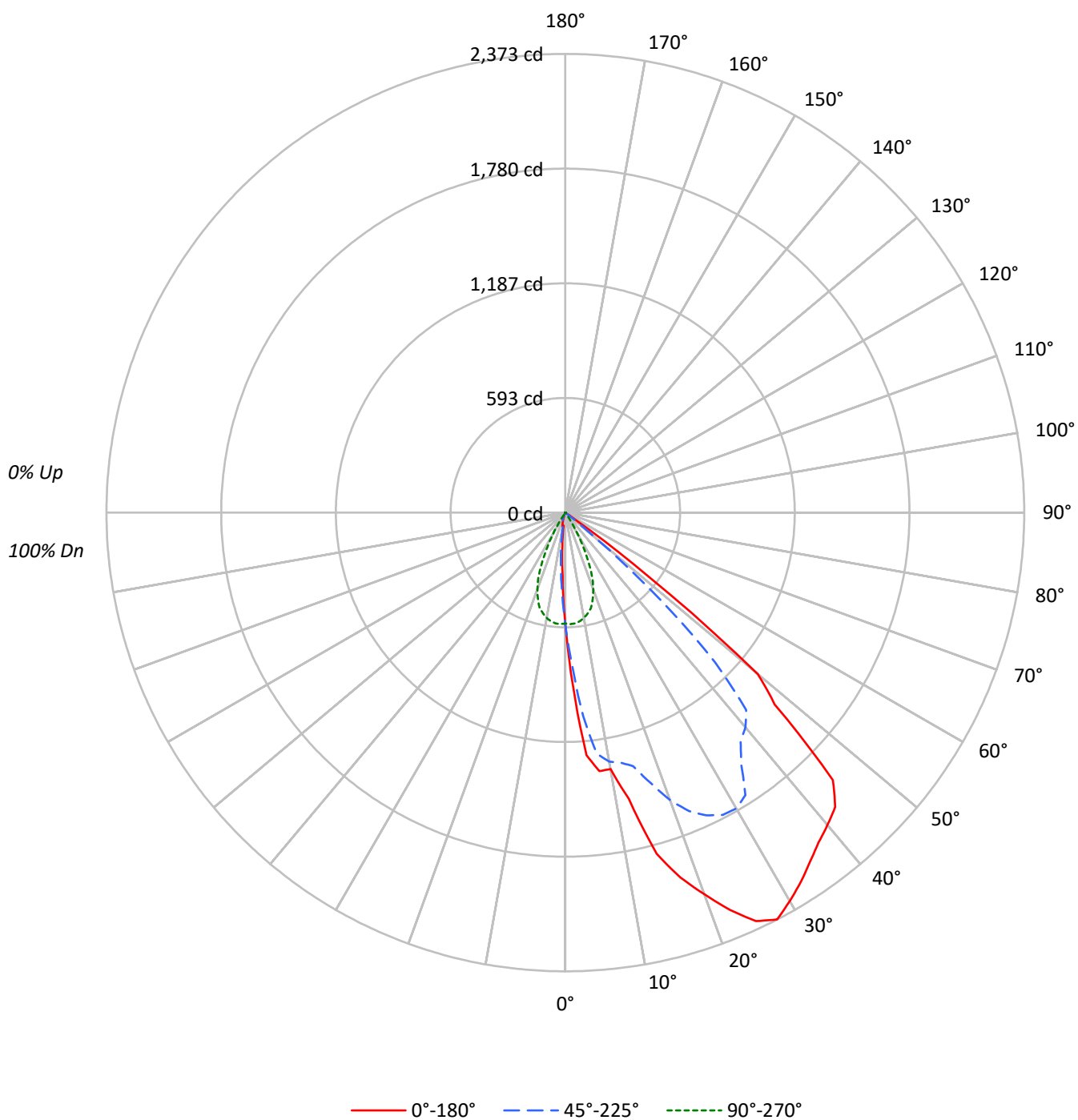
Lumens per Lamp: N/A
Luminaire Lumens: 1544.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	99	94	90		103	98	93	89		94	91	87		91	88	85		88	86	84
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	82	76	70		90	81	75	70		79	73	69		77	72	68		75	71	67
5	85	75	68	63		84	74	67	62		72	66	62		70	65	61		69	64	61
6	80	69	61	56		78	68	61	56		66	60	55		65	59	55		63	58	55
7	74	63	56	50		73	62	55	50		61	55	50		59	54	50		58	53	49
8	69	58	51	46		68	57	50	45		56	50	45		55	49	45		54	49	45
9	65	53	46	41		64	53	46	41		52	45	41		51	45	41		50	45	41
10	61	49	42	38		60	49	42	38		48	42	37		47	41	37		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	98684	98684	98684	98684	98684
5°	217726	182683	99441	45208	29753
10°	235475	228620	96778	12574	12959
15°	325929	242022	91289	12820	9325
20°	384952	289905	77471	7588	2804
25°	443009	328328	54652	1235	0
30°	461468	351395	25137	0	0
35°	463590	333028	1367	0	0
40°	474169	325743	0	0	0
45°	476549	266941	0	0	0
50°	347935	55462	0	0	0
55°	19637	0	0	0	0
60°	0	758	758	0	0
65°	0	0	897	0	0
70°	0	1108	1108	0	0
75°	0	1464	1464	0	0
80°	0	2182	2182	2182	0
85°	0	4347	4347	4347	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 485560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	4.1
10°-20°	209.3	13.6
20°-30°	376.3	24.4
30°-40°	457.4	29.6
40°-50°	353.2	22.9
50°-60°	82.2	5.3
60°-70°	0.5	0.0
70°-80°	1.2	0.1
80°-90°	1.2	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°	648.3	42.0
0°-40°	1105.7	71.6
0°-60°	1541.1	99.8
0°-90°	1544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	573	573	573	573	573	
5°	1259	1057	575	262	172	119
15°	1828	1357	512	72	52	511
25°	2331	1728	288	6	0	1061
35°	2205	1584	6	0	0	1385
45°	1957	1096	0	0	0	1383
55°	65	0	0	0	0	269
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	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°	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0
2.5°	893.3	893.3	897.7	895.5	875.9	867.2	838.8	823.6	819.2	784.4	771.3
5°	1259.4	1261.5	1250.6	1248.5	1226.7	1211.4	1187.5	1150.4	1113.4	1056.7	1006.6
7.5°	1348.7	1346.5	1344.3	1344.3	1340.0	1331.3	1320.4	1309.5	1294.2	1259.4	1220.1
10°	1346.5	1346.5	1344.3	1344.3	1342.2	1344.3	1342.2	1335.6	1329.1	1307.3	1285.5
12.5°	1516.5	1503.4	1486.0	1459.8	1416.2	1383.6	1346.5	1335.6	1331.3	1324.7	1311.7
15°	1828.0	1817.1	1780.1	1734.3	1690.8	1616.7	1557.9	1477.2	1414.1	1357.4	1329.1
17.5°	1978.4	1984.9	1943.5	1915.2	1873.8	1815.0	1745.2	1662.4	1573.1	1466.4	1381.4
20°	2100.4	2106.9	2072.1	2043.7	1995.8	1934.8	1873.8	1784.5	1699.5	1581.8	1470.7
22.5°	2224.6	2228.9	2196.3	2154.9	2100.4	2037.2	1958.8	1867.3	1775.7	1671.2	1553.5
25°	2331.3	2327.0	2272.5	2213.7	2161.4	2093.9	2017.6	1928.3	1841.1	1727.8	1616.7
27.5°	2372.7	2370.6	2309.6	2252.9	2191.9	2100.4	2032.8	1954.4	1862.9	1762.7	1649.4
30°	2320.5	2355.3	2316.1	2274.7	2200.6	2109.1	2043.7	1950.1	1865.1	1767.0	1638.5
32.5°	2266.0	2309.6	2296.5	2276.9	2189.7	2117.8	2032.8	1945.7	1845.5	1732.2	1536.1
35°	2205.0	2250.7	2252.9	2231.1	2152.7	2080.8	2002.3	1910.8	1797.5	1584.0	1440.2
37.5°	2150.5	2194.1	2207.2	2161.4	2100.4	2004.5	1932.6	1836.8	1631.9	1488.1	1414.1
40°	2109.1	2141.8	2161.4	2089.5	2028.5	1934.8	1852.0	1684.2	1499.0	1448.9	1344.3
42.5°	2065.5	2096.0	2104.8	2026.3	1932.6	1843.3	1723.5	1512.1	1457.6	1383.6	1102.5
45°	1956.6	1993.6	1971.8	1895.6	1825.9	1732.2	1553.5	1462.0	1403.2	1096.0	677.6
47.5°	1468.5	1509.9	1568.8	1590.5	1614.5	1547.0	1448.9	1416.2	1152.6	664.5	211.3
50°	1298.6	1292.0	1292.0	1302.9	1322.6	1344.3	1372.7	1194.0	692.9	207.0	0.0
52.5°	529.5	555.6	684.2	799.6	932.5	1065.4	1106.8	732.1	270.2	4.4	0.0
55°	65.4	65.4	91.5	156.9	259.3	418.3	470.6	235.3	19.6	0.0	0.0
57.5°	0.0	0.0	0.0	2.2	17.4	47.9	32.7	8.7	2.2	2.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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°	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0
2.5°	749.5	723.4	686.3	577.4	483.7	400.9	353.0	329.0
5°	958.7	895.5	810.5	575.2	392.2	261.5	196.1	172.1
7.5°	1159.1	1087.2	943.4	566.5	300.7	152.5	85.0	67.5
10°	1246.3	1194.0	1065.4	553.4	217.9	71.9	71.9	74.1
12.5°	1281.2	1241.9	1137.3	533.8	143.8	69.7	74.1	69.7
15°	1305.1	1268.1	1172.2	512.0	82.8	71.9	58.8	52.3
17.5°	1318.2	1274.6	1183.1	470.6	54.5	61.0	37.0	30.5
20°	1359.6	1289.9	1191.8	422.7	52.3	41.4	19.6	15.3
22.5°	1429.3	1320.4	1194.0	363.9	41.4	24.0	6.5	0.0
25°	1492.5	1361.8	1200.5	287.6	13.1	6.5	0.0	0.0
27.5°	1523.0	1374.8	1198.4	202.6	0.0	0.0	0.0	0.0
30°	1486.0	1342.2	1178.7	126.4	0.0	0.0	0.0	0.0
32.5°	1398.8	1318.2	1117.7	54.5	0.0	0.0	0.0	0.0
35°	1370.5	1265.9	978.3	6.5	0.0	0.0	0.0	0.0
37.5°	1307.3	1115.6	719.0	0.0	0.0	0.0	0.0	0.0
40°	1124.3	806.2	342.1	0.0	0.0	0.0	0.0	0.0
42.5°	743.0	344.3	19.6	0.0	0.0	0.0	0.0	0.0
45°	261.5	21.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.4	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	0.0	0.0	0.0	0.0	0.0
60°	2.2	2.2	2.2	2.2	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
65°	0.0	0.0	2.2	2.2	0.0	0.0	0.0	0.0
67.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
70°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
72.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
75°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
77.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
80°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)