

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: P1315539

Luminaire Tested: P3SQAS17R459740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

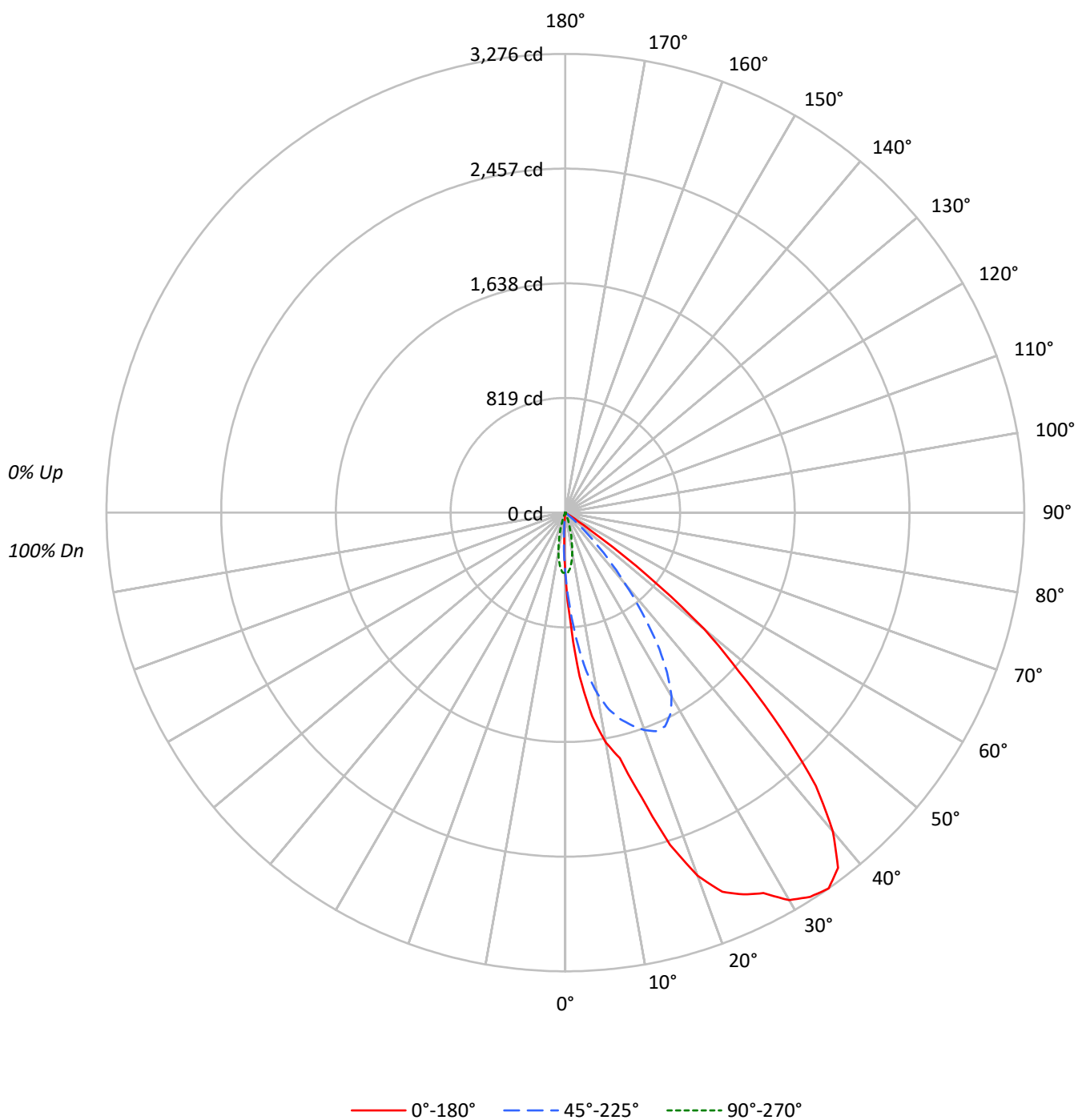
Lumens per Lamp: N/A
Luminaire Lumens: 1389.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	0
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	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		76	72	68	67
5	86	76	69	64	84	75	68	63	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		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	43	65	54	47	42	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°	74297	74297	74297	74297	74297
5°	202823	156059	68755	13796	5169
10°	291297	228935	49718	1312	1084
15°	375014	272315	26459	446	0
20°	505456	302991	10062	0	0
25°	571695	320081	2603	0	0
30°	635475	301739	239	0	0
35°	688868	240625	0	0	0
40°	667672	151080	0	0	0
45°	529279	71972	0	0	0
50°	346408	9029	0	0	0
55°	59512	0	0	0	0
60°	0	0	413	0	0
65°	0	489	489	0	0
70°	0	604	1259	0	0
75°	0	799	1664	0	0
80°	0	1190	2479	1190	0
85°	0	2371	4940	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 529279 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	3.7
10°-20°	197.9	14.2
20°-30°	370.4	26.7
30°-40°	432.4	31.1
40°-50°	282.0	20.3
50°-60°	52.3	3.8
60°-70°	0.5	0.0
70°-80°	1.0	0.1
80°-90°	1.1	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°	619.7	44.6
0°-40°	1052.0	75.7
0°-60°	1386.3	99.8
0°-90°	1389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1389.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	431	431	431	431	431	
5°	1173	903	398	80	30	126
15°	2103	1527	148	2	0	627
25°	3008	1684	14	0	0	1391
35°	3276	1144	0	0	0	2010
45°	2173	296	0	0	0	1652
55°	198	0	0	0	0	345
65°	0	1	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	1	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°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	760.5	766.8	754.3	749.3	733.1	736.8	709.4	698.2	680.7	652.1	638.4
5°	1173.2	1162.0	1152.0	1130.8	1118.4	1084.7	1047.3	1004.9	953.8	902.7	844.1
7.5°	1467.5	1458.7	1455.0	1437.5	1412.6	1377.7	1329.1	1275.5	1209.4	1140.8	1052.3
10°	1665.7	1657.0	1642.0	1624.6	1604.6	1575.9	1528.6	1470.0	1397.6	1309.1	1205.6
12.5°	1795.4	1794.1	1769.2	1749.2	1724.3	1699.4	1650.7	1603.4	1532.3	1441.3	1324.1
15°	2103.3	2083.4	2051.0	1994.9	1925.0	1860.2	1781.7	1706.8	1629.5	1527.3	1396.4
17.5°	2487.3	2464.9	2410.0	2339.0	2226.8	2103.3	1968.7	1850.2	1734.3	1595.9	1441.3
20°	2757.9	2749.2	2703.0	2620.7	2501.0	2337.7	2160.7	1993.6	1830.3	1653.2	1462.5
22.5°	2931.2	2926.2	2907.5	2851.4	2729.2	2545.9	2317.8	2093.3	1896.4	1689.4	1456.2
25°	3008.5	3014.7	3017.2	2989.8	2891.3	2704.3	2433.7	2169.4	1933.8	1684.4	1408.9
27.5°	3063.3	3063.3	3073.3	3060.8	2961.1	2764.1	2478.6	2195.6	1921.3	1623.3	1309.1
30°	3195.5	3193.0	3199.2	3165.6	3027.2	2782.8	2458.7	2153.2	1850.2	1517.3	1165.7
32.5°	3252.9	3255.3	3254.1	3200.5	3039.7	2770.3	2410.0	2072.2	1719.3	1351.5	976.2
35°	3276.5	3265.3	3219.2	3097.0	2893.8	2604.5	2272.9	1935.0	1536.0	1144.5	770.5
37.5°	3198.0	3165.6	3063.3	2896.3	2648.2	2370.1	2046.0	1689.4	1292.9	897.7	579.8
40°	2969.8	2927.4	2799.0	2597.0	2370.1	2119.5	1777.9	1401.4	1011.1	672.0	406.5
42.5°	2646.9	2598.3	2459.9	2284.1	2077.1	1814.1	1473.7	1097.2	740.6	463.8	258.1
45°	2173.1	2145.7	2065.9	1917.6	1714.3	1441.3	1129.6	800.4	512.4	295.5	132.2
47.5°	1680.7	1645.8	1588.4	1486.2	1316.6	1057.3	790.5	543.6	329.2	145.9	27.4
50°	1292.9	1251.8	1181.9	1068.5	891.4	705.7	512.4	339.1	167.1	33.7	1.2
52.5°	744.3	753.1	719.4	647.1	548.6	422.7	296.7	170.8	37.4	1.2	0.0
55°	198.2	214.4	209.5	225.7	198.2	167.1	123.4	32.4	2.5	0.0	0.0
57.5°	0.0	0.0	1.2	2.5	7.5	11.2	3.7	1.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	607.2	581.0	548.6	428.9	322.9	231.9	180.8	167.1
5°	788.0	724.4	642.1	397.7	199.5	79.8	36.2	29.9
7.5°	958.8	865.3	716.9	347.9	101.0	19.9	10.0	8.7
10°	1090.9	965.0	771.8	284.3	37.4	7.5	6.2	6.2
12.5°	1181.9	1028.6	791.7	215.7	13.7	3.7	3.7	2.5
15°	1234.3	1053.5	773.0	148.4	5.0	2.5	0.0	0.0
17.5°	1250.5	1043.6	723.1	93.5	1.2	0.0	0.0	0.0
20°	1236.8	994.9	644.6	54.9	0.0	0.0	0.0	0.0
22.5°	1191.9	918.9	549.8	29.9	0.0	0.0	0.0	0.0
25°	1108.4	811.7	438.9	13.7	0.0	0.0	0.0	0.0
27.5°	972.5	673.3	330.4	5.0	0.0	0.0	0.0	0.0
30°	817.9	524.9	234.4	1.2	0.0	0.0	0.0	0.0
32.5°	638.4	386.5	150.9	0.0	0.0	0.0	0.0	0.0
35°	480.0	270.6	89.8	0.0	0.0	0.0	0.0	0.0
37.5°	334.1	170.8	47.4	0.0	0.0	0.0	0.0	0.0
40°	208.2	92.3	16.2	0.0	0.0	0.0	0.0	0.0
42.5°	116.0	32.4	1.2	0.0	0.0	0.0	0.0	0.0
45°	27.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.2	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	1.2	0.0	0.0	0.0	0.0
60°	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	1.2	2.5	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	2.5	2.5	1.2	0.0	0.0	0.0
75°	1.2	1.2	2.5	2.5	1.2	0.0	0.0	0.0
77.5°	1.2	2.5	2.5	2.5	1.2	1.2	0.0	0.0
80°	1.2	2.5	2.5	2.5	2.5	1.2	0.0	0.0
82.5°	1.2	2.5	2.5	2.5	2.5	1.2	0.0	0.0
85°	1.2	2.5	2.5	2.5	1.2	1.2	0.0	0.0
87.5°	1.2	2.5	2.5	2.5	2.5	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)