

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: P1318031

Luminaire Tested: P3SQAS13R459835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318031
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: P3SQAS13R459835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

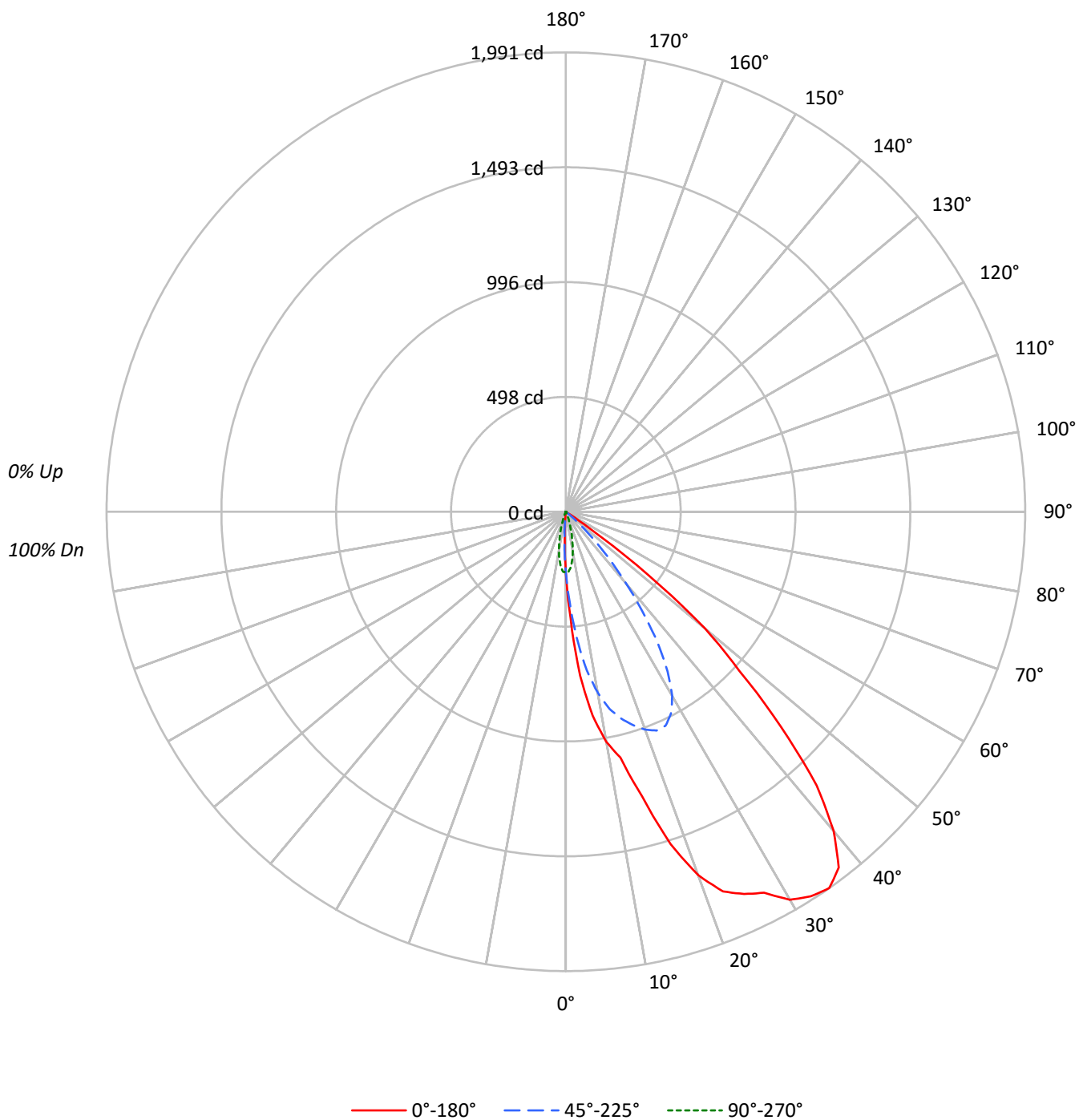
Lumens per Lamp: N/A
Luminaire Lumens: 844.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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°	45140	45140	45140	45140	45140
5°	123247	94825	41785	8385	3146
10°	176995	139117	30202	787	665
15°	227865	165461	16082	267	0
20°	307133	184119	6103	0	0
25°	347369	194492	1577	0	0
30°	386137	183354	159	0	0
35°	418577	146225	0	0	0
40°	405711	91794	0	0	0
45°	321620	43719	0	0	0
50°	210486	5493	0	0	0
55°	36181	0	0	0	0
60°	0	0	276	0	0
65°	0	326	326	0	0
70°	0	403	755	0	0
75°	0	532	998	0	0
80°	0	793	1488	793	0
85°	0	1581	2964	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 321620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	3.7
10°-20°	120.2	14.2
20°-30°	225.1	26.7
30°-40°	262.7	31.1
40°-50°	171.3	20.3
50°-60°	31.8	3.8
60°-70°	0.3	0.0
70°-80°	0.6	0.1
80°-90°	0.7	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°	376.5	44.6
0°-40°	639.2	75.7
0°-60°	842.4	99.8
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	262	262	262	262	262	
5°	713	548	242	48	18	76
15°	1278	928	90	2	0	381
25°	1828	1024	8	0	0	845
35°	1991	696	0	0	0	1221
45°	1320	180	0	0	0	1004
55°	120	0	0	0	0	209
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°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	462.1	465.9	458.3	455.3	445.5	447.7	431.1	424.2	413.6	396.2	387.9
5°	712.9	706.1	700.0	687.1	679.6	659.1	636.4	610.6	579.6	548.5	512.9
7.5°	891.7	886.4	884.1	873.5	858.3	837.1	807.6	775.0	734.9	693.2	639.4
10°	1012.1	1006.8	997.7	987.1	975.0	957.6	928.8	893.2	849.3	795.5	732.6
12.5°	1090.9	1090.2	1075.0	1062.9	1047.7	1032.6	1003.0	974.3	931.1	875.8	804.6
15°	1278.0	1265.9	1246.2	1212.1	1169.7	1130.3	1082.6	1037.1	990.2	928.0	848.5
17.5°	1511.4	1497.7	1464.4	1421.2	1353.0	1278.0	1196.2	1124.3	1053.8	969.7	875.8
20°	1675.8	1670.5	1642.4	1592.4	1519.7	1420.5	1312.9	1211.4	1112.1	1004.6	888.6
22.5°	1781.1	1778.0	1766.7	1732.6	1658.4	1547.0	1408.3	1272.0	1152.3	1026.5	884.9
25°	1828.0	1831.8	1833.4	1816.7	1756.8	1643.2	1478.8	1318.2	1175.0	1023.5	856.1
27.5°	1861.4	1861.4	1867.4	1859.9	1799.3	1679.6	1506.1	1334.1	1167.4	986.4	795.5
30°	1941.7	1940.2	1944.0	1923.5	1839.4	1690.9	1494.0	1308.3	1124.3	922.0	708.3
32.5°	1976.5	1978.1	1977.3	1944.7	1847.0	1683.4	1464.4	1259.1	1044.7	821.2	593.2
35°	1990.9	1984.1	1956.1	1881.8	1758.4	1582.6	1381.1	1175.8	933.3	695.5	468.2
37.5°	1943.2	1923.5	1861.4	1759.9	1609.1	1440.2	1243.2	1026.5	785.6	545.5	352.3
40°	1804.6	1778.8	1700.8	1578.0	1440.2	1287.9	1080.3	851.5	614.4	408.3	247.0
42.5°	1608.4	1578.8	1494.7	1387.9	1262.1	1102.3	895.5	666.7	450.0	281.8	156.8
45°	1320.5	1303.8	1255.3	1165.2	1041.7	875.8	686.4	486.4	311.4	179.5	80.3
47.5°	1021.2	1000.0	965.2	903.0	800.0	642.4	480.3	330.3	200.0	88.6	16.7
50°	785.6	760.6	718.2	649.2	541.7	428.8	311.4	206.1	101.5	20.5	0.8
52.5°	452.3	457.6	437.1	393.2	333.3	256.8	180.3	103.8	22.7	0.8	0.0
55°	120.5	130.3	127.3	137.1	120.5	101.5	75.0	19.7	1.5	0.0	0.0
57.5°	0.0	0.0	0.8	1.5	4.5	6.8	2.3	0.8	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	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	368.9	353.0	333.3	260.6	196.2	140.9	109.8	101.5
5°	478.8	440.2	390.2	241.7	121.2	48.5	22.0	18.2
7.5°	582.6	525.8	435.6	211.4	61.4	12.1	6.1	5.3
10°	662.9	586.4	468.9	172.7	22.7	4.5	3.8	3.8
12.5°	718.2	625.0	481.1	131.1	8.3	2.3	2.3	1.5
15°	750.0	640.2	469.7	90.2	3.0	1.5	0.0	0.0
17.5°	759.9	634.1	439.4	56.8	0.8	0.0	0.0	0.0
20°	751.5	604.6	391.7	33.3	0.0	0.0	0.0	0.0
22.5°	724.3	558.3	334.1	18.2	0.0	0.0	0.0	0.0
25°	673.5	493.2	266.7	8.3	0.0	0.0	0.0	0.0
27.5°	590.9	409.1	200.8	3.0	0.0	0.0	0.0	0.0
30°	497.0	318.9	142.4	0.8	0.0	0.0	0.0	0.0
32.5°	387.9	234.9	91.7	0.0	0.0	0.0	0.0	0.0
35°	291.7	164.4	54.5	0.0	0.0	0.0	0.0	0.0
37.5°	203.0	103.8	28.8	0.0	0.0	0.0	0.0	0.0
40°	126.5	56.1	9.8	0.0	0.0	0.0	0.0	0.0
42.5°	70.5	19.7	0.8	0.0	0.0	0.0	0.0	0.0
45°	16.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.8	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	0.8	0.0	0.0	0.0	0.0
60°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	1.5	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	1.5	1.5	0.8	0.0	0.0	0.0
75°	0.8	0.8	1.5	1.5	0.8	0.0	0.0	0.0
77.5°	0.8	1.5	1.5	1.5	0.8	0.8	0.0	0.0
80°	0.8	1.5	1.5	1.5	1.5	0.8	0.0	0.0
82.5°	0.8	1.5	1.5	1.5	1.5	0.8	0.0	0.0
85°	0.8	1.5	1.5	1.5	0.8	0.8	0.0	0.0
87.5°	0.8	1.5	1.5	1.5	1.5	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)