

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: P1315217

Luminaire Tested: P3SQAS09R409740DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409740DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

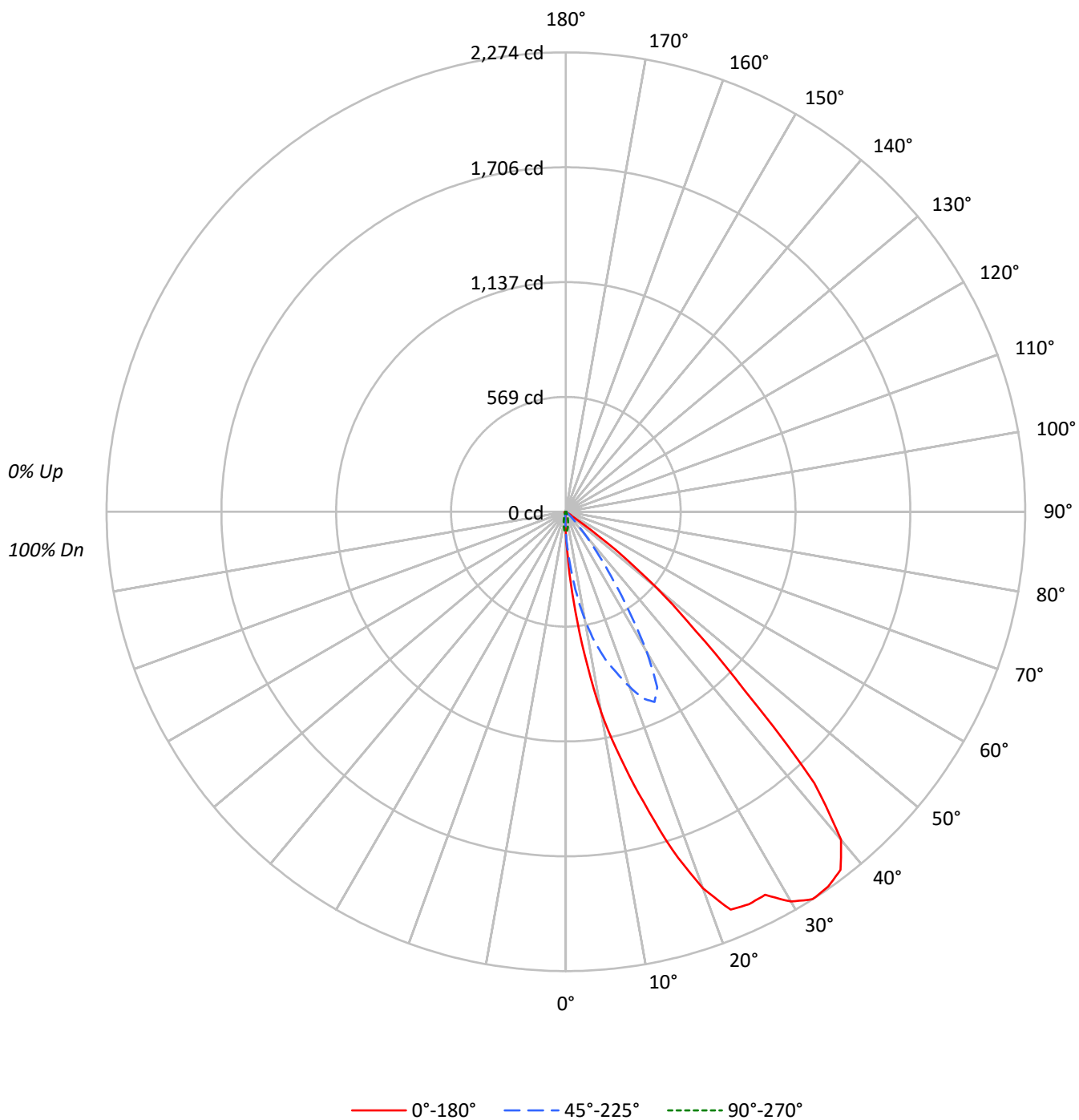
Lumens per Lamp: N/A
Luminaire Lumens: 838.9 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1315217

CATALOG NUMBER: P3SQAS09R409740DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315217

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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	97	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	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	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	60	56	54		
7	75	64	57	52	74	63	56	52	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	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17102	17102	17102	17102	17102
5°	77105	49167	15317	5878	4287
10°	176838	94995	10790	2116	1609
15°	265379	134775	6704	1141	1016
20°	363380	168943	3904	641	788
25°	407341	197400	2014	532	665
30°	443073	159351	855	418	696
35°	476184	81554	294	589	904
40°	476350	32532	157	629	1124
45°	304133	10887	341	1047	1559
50°	157892	1340	563	1340	1902
55°	13632	210	631	1711	2342
60°	482	241	723	1963	2687
65°	571	285	1141	2038	2893
70°	352	352	1410	2165	2870
75°	466	466	1397	2329	3327
80°	694	694	2083	2083	2777
85°	0	1383	4150	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 304133 cd/sqm

TEST NUMBER: P1315217

CATALOG NUMBER: P3SQAS09R409740DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	2.3
10°-20°	113.6	13.5
20°-30°	248.7	29.6
30°-40°	283.3	33.8
40°-50°	149.5	17.8
50°-60°	17.6	2.1
60°-70°	3.2	0.4
70°-80°	2.6	0.3
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°	381.6	45.5
0°-40°	664.9	79.3
0°-60°	832.0	99.2
0°-90°	838.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	446	284	89	34	25	60
15°	1488	756	38	6	6	439
25°	2144	1039	11	3	4	988
35°	2265	388	1	3	4	1404
45°	1249	45	1	4	6	1007
55°	45	1	2	6	8	141
65°	1	1	3	5	7	1
75°	1	1	2	4	5	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1315217

CATALOG NUMBER: P3SQAS09R409740DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	221.2	221.2	220.5	214.2	213.4	212.7	201.4	198.6	185.1	175.9	134.0
5°	446.0	436.1	435.4	424.0	404.9	379.4	363.1	336.8	311.3	284.4	165.2
7.5°	710.5	719.0	695.6	683.6	641.0	610.5	563.7	522.6	465.2	411.3	190.8
10°	1011.2	996.3	972.9	949.5	903.4	848.8	779.3	706.3	623.3	543.2	204.9
12.5°	1245.9	1226.8	1212.6	1180.7	1135.3	1065.1	982.1	884.3	774.3	658.8	204.2
15°	1488.4	1469.3	1437.4	1409.0	1341.6	1262.9	1172.9	1043.8	909.1	755.9	189.3
17.5°	1755.0	1730.2	1694.8	1651.5	1586.3	1499.1	1384.9	1227.5	1036.7	835.3	162.4
20°	1982.7	1967.8	1932.3	1881.3	1817.4	1732.4	1600.5	1426.0	1193.4	921.8	129.1
22.5°	2131.6	2118.1	2094.0	2049.3	2001.1	1910.3	1789.8	1598.3	1324.6	1000.6	97.9
25°	2143.6	2138.0	2131.6	2116.7	2087.6	2023.1	1905.4	1699.0	1406.2	1038.8	72.3
27.5°	2137.3	2135.1	2133.7	2125.9	2106.8	2042.9	1922.4	1713.9	1395.5	979.3	53.2
30°	2228.0	2221.6	2218.1	2192.6	2142.2	2043.6	1886.2	1633.8	1240.2	801.3	38.3
32.5°	2274.1	2272.7	2269.1	2244.3	2173.4	2045.1	1825.2	1440.2	983.5	578.6	26.2
35°	2264.9	2257.8	2245.0	2198.9	2100.4	1939.4	1628.1	1150.2	709.8	387.9	17.0
37.5°	2233.7	2217.4	2192.6	2109.6	1978.4	1758.6	1320.4	846.7	482.9	251.0	9.9
40°	2118.8	2096.8	2057.8	1956.4	1784.1	1449.4	976.4	572.3	317.0	144.7	2.8
42.5°	1821.7	1793.3	1765.0	1651.5	1454.4	1080.7	642.5	353.8	180.8	79.4	0.7
45°	1248.7	1213.3	1174.3	1092.0	933.9	654.5	382.2	199.3	93.6	44.7	0.7
47.5°	867.2	850.9	782.9	677.9	519.8	346.8	197.8	97.9	49.6	20.6	0.7
50°	589.3	570.8	491.4	390.0	276.6	165.9	90.8	48.9	22.0	5.0	0.7
52.5°	309.2	286.5	236.1	180.1	112.0	69.5	39.7	21.3	6.4	0.7	0.7
55°	45.4	41.8	34.0	27.7	24.8	19.1	11.3	5.0	0.7	0.7	1.4
57.5°	1.4	1.4	1.4	1.4	2.1	2.1	1.4	0.7	0.7	0.7	1.4
60°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
62.5°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
65°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4	2.1
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315217

CATALOG NUMBER: P3SQAS09R409740DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	99.3	99.3	99.3	99.3	99.3
2.5°	97.9	72.3	56.0	48.2	47.5
5°	88.6	51.8	34.0	26.2	24.8
7.5°	75.2	36.2	19.9	14.2	13.5
10°	61.7	24.8	12.1	9.9	9.2
12.5°	48.9	16.3	8.5	7.8	7.1
15°	37.6	10.6	6.4	5.7	5.7
17.5°	28.4	7.1	5.0	5.0	5.0
20°	21.3	5.0	3.5	4.3	4.3
22.5°	14.9	3.5	2.8	3.5	3.5
25°	10.6	2.8	2.8	3.5	3.5
27.5°	7.1	2.1	2.1	2.8	3.5
30°	4.3	1.4	2.1	2.8	3.5
32.5°	2.1	1.4	2.1	3.5	3.5
35°	1.4	2.1	2.8	3.5	4.3
37.5°	0.7	2.1	2.8	4.3	4.3
40°	0.7	2.1	2.8	4.3	5.0
42.5°	1.4	2.8	3.5	5.0	5.7
45°	1.4	2.8	4.3	5.7	6.4
47.5°	1.4	2.8	5.0	6.4	6.4
50°	2.1	3.5	5.0	6.4	7.1
52.5°	2.1	3.5	5.0	7.1	7.8
55°	2.1	3.5	5.7	7.1	7.8
57.5°	2.1	4.3	5.7	7.1	7.8
60°	2.1	3.5	5.7	7.1	7.8
62.5°	2.8	3.5	5.0	7.1	7.1
65°	2.8	3.5	5.0	7.1	7.1
67.5°	2.8	3.5	5.0	6.4	6.4
70°	2.8	3.5	4.3	5.7	5.7
72.5°	2.8	3.5	4.3	5.0	5.7
75°	2.1	2.8	3.5	4.3	5.0
77.5°	2.1	2.8	2.8	4.3	4.3
80°	2.1	2.1	2.1	2.8	2.8
82.5°	2.1	2.1	1.4	2.1	2.1
85°	2.1	1.4	1.4	1.4	1.4
87.5°	1.4	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)