

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: P1306285

Luminaire Tested: P3SQASS20R609024D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R609024D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

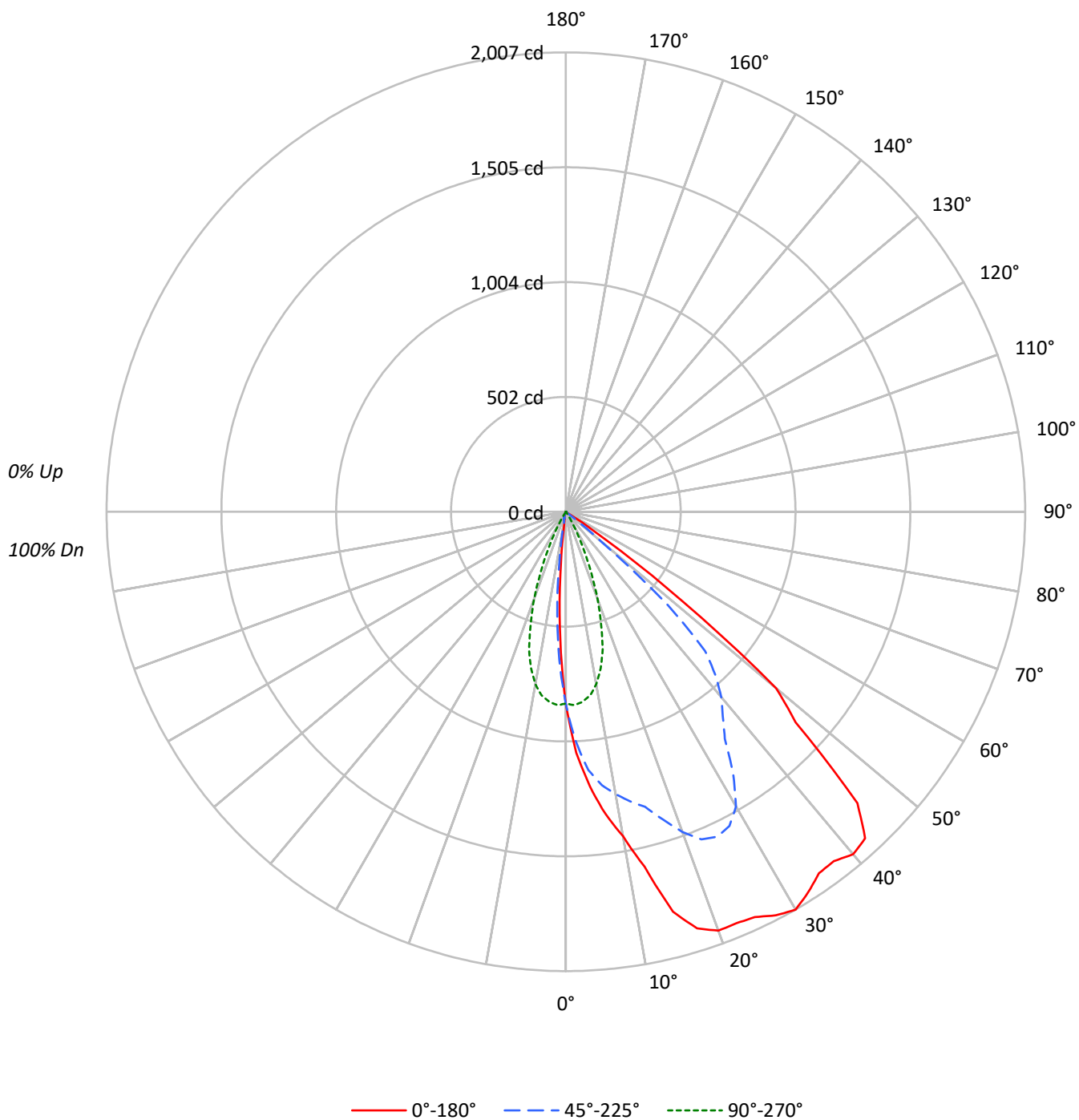
Lumens per Lamp: N/A
Luminaire Lumens: 1362.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	144323	144323	144323	144323	144323
5°	208027	195908	144096	74235	47698
10°	251634	219037	133765	8866	5211
15°	322488	237939	110866	5848	4778
20°	356911	272732	74337	3281	550
25°	371179	297506	36542	285	0
30°	399123	295634	10082	0	0
35°	405352	254565	0	0	0
40°	439142	237343	0	0	0
45°	438700	209559	0	0	0
50°	321196	50746	0	0	0
55°	62694	0	0	0	0
60°	0	0	0	0	0
65°	0	611	611	0	0
70°	0	755	755	0	0
75°	0	998	998	0	0
80°	0	1488	1488	1488	0
85°	0	2964	2964	2964	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 439430 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	5.3
10°-20°	205.0	15.0
20°-30°	326.6	24.0
30°-40°	377.5	27.7
40°-50°	299.8	22.0
50°-60°	78.9	5.8
60°-70°	0.6	0.0
70°-80°	0.8	0.1
80°-90°	0.9	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°	603.5	44.3
0°-40°	981.0	72.0
0°-60°	1359.7	99.8
0°-90°	1362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	838	838	838	838	838	
5°	1203	1133	834	429	276	122
15°	1809	1334	622	33	27	504
25°	1953	1566	192	2	0	911
35°	1928	1211	0	0	0	1225
45°	1801	860	0	0	0	1283
55°	209	0	0	0	0	315
65°	0	2	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°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0
2.5°	1054.2	1064.6	1060.2	1055.7	1045.3	1040.8	1040.8	1028.8	1009.5	1006.5	993.1
5°	1203.3	1206.3	1206.3	1203.3	1195.8	1183.9	1180.9	1169.0	1151.1	1133.2	1115.3
7.5°	1333.0	1331.5	1322.6	1316.6	1303.2	1286.8	1271.9	1255.5	1228.7	1204.8	1179.4
10°	1438.9	1443.4	1435.9	1421.0	1403.1	1380.7	1356.9	1328.6	1288.3	1252.5	1219.7
12.5°	1588.0	1586.5	1567.1	1541.8	1498.5	1456.8	1419.5	1388.2	1339.0	1295.8	1255.5
15°	1808.7	1805.7	1787.8	1765.4	1702.8	1640.2	1576.1	1488.1	1406.1	1334.5	1277.9
17.5°	1908.6	1914.6	1899.6	1887.7	1851.9	1810.2	1753.5	1665.5	1538.8	1409.1	1289.8
20°	1947.4	1954.8	1944.4	1942.9	1926.5	1907.1	1860.9	1765.4	1641.7	1488.1	1340.5
22.5°	1945.9	1951.8	1947.4	1966.7	1986.1	1975.7	1919.0	1823.6	1696.9	1549.2	1382.2
25°	1953.3	1948.8	1932.4	1960.8	1989.1	1980.2	1951.8	1869.8	1731.1	1565.6	1397.1
27.5°	1987.6	1954.8	1922.0	1957.8	1971.2	1974.2	1957.8	1860.9	1725.2	1547.7	1367.3
30°	2007.0	1971.2	1944.4	1974.2	1974.2	1990.6	1956.3	1846.0	1674.5	1486.6	1288.3
32.5°	1971.2	1963.8	1987.6	2017.4	2024.9	2024.9	1948.8	1796.8	1589.5	1361.4	1161.6
35°	1928.0	1945.9	2014.5	2027.9	2027.9	1995.1	1902.6	1710.3	1462.8	1210.8	1067.6
37.5°	1923.5	1951.8	2027.9	2011.5	1984.6	1923.5	1789.3	1559.7	1282.3	1125.8	997.5
40°	1953.3	1980.2	2024.9	1965.2	1901.1	1805.7	1644.7	1362.9	1173.5	1055.7	912.5
42.5°	1935.4	1960.8	1962.3	1874.3	1783.3	1653.6	1440.4	1203.3	1094.5	966.2	815.6
45°	1801.2	1804.2	1798.2	1704.3	1610.4	1476.2	1249.5	1124.3	1008.0	860.4	599.4
47.5°	1361.4	1355.4	1377.8	1350.9	1355.4	1274.9	1134.7	1031.8	893.2	603.9	181.9
50°	1198.8	1191.4	1169.0	1145.2	1121.3	1082.5	1016.9	906.6	644.1	189.4	6.0
52.5°	642.7	678.4	748.5	855.9	896.1	893.2	844.0	671.0	202.8	1.5	0.0
55°	208.8	205.8	229.6	271.4	372.8	429.4	447.3	228.1	4.5	0.0	0.0
57.5°	0.0	0.0	0.0	4.5	14.9	38.8	50.7	3.0	0.0	1.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
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°	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0
2.5°	975.2	954.3	930.4	845.4	745.5	648.6	578.5	560.6
5°	1087.0	1051.2	1000.5	833.5	615.8	429.4	307.2	275.9
7.5°	1145.2	1113.8	1060.2	809.7	477.1	211.7	79.0	53.7
10°	1180.9	1143.7	1084.0	764.9	311.6	50.7	28.3	29.8
12.5°	1206.3	1163.0	1095.9	700.8	158.1	25.3	35.8	37.3
15°	1216.7	1170.5	1094.5	621.8	56.7	32.8	31.3	26.8
17.5°	1210.8	1152.6	1075.1	508.5	19.4	31.3	16.4	13.4
20°	1203.3	1137.7	1043.8	405.6	16.4	17.9	6.0	3.0
22.5°	1227.2	1112.3	1000.5	290.8	16.4	6.0	0.0	0.0
25°	1230.1	1101.9	945.3	192.3	7.5	1.5	0.0	0.0
27.5°	1200.3	1040.8	860.4	113.3	0.0	0.0	0.0	0.0
30°	1104.9	964.7	769.4	50.7	0.0	0.0	0.0	0.0
32.5°	1011.0	879.7	668.0	11.9	0.0	0.0	0.0	0.0
35°	936.4	791.8	556.2	0.0	0.0	0.0	0.0	0.0
37.5°	844.0	687.4	414.5	0.0	0.0	0.0	0.0	0.0
40°	747.0	554.7	207.3	0.0	0.0	0.0	0.0	0.0
42.5°	583.0	263.9	20.9	0.0	0.0	0.0	0.0	0.0
45°	223.7	23.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11.9	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°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
65°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
67.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
70°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
72.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)