

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: P1307416

Luminaire Tested: P3SQAS24R709027D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307416
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: P3SQAS24R709027D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

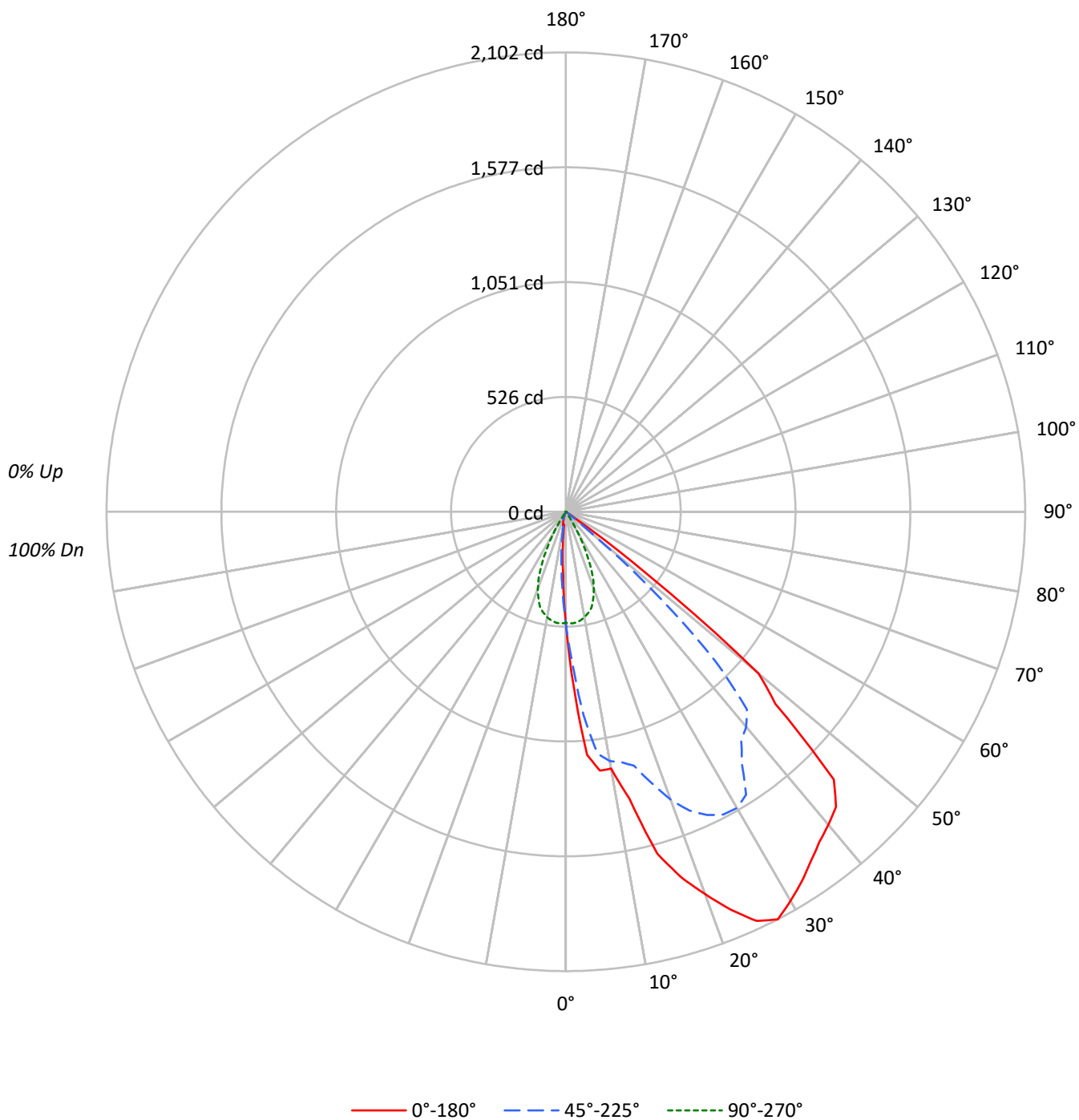
Lumens per Lamp: N/A
Luminaire Lumens: 1368.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	87437	87437	87437	87437	87437
5°	192900	161868	88100	40056	26364
10°	208631	202563	85743	11140	11472
15°	288789	214439	80894	11358	8255
20°	341076	256861	68637	6726	2474
25°	392519	290912	48419	1102	0
30°	408848	311344	22273	0	0
35°	410735	295058	1219	0	0
40°	420122	288625	0	0	0
45°	422235	236496	0	0	0
50°	308281	49139	0	0	0
55°	17385	0	0	0	0
60°	0	654	654	0	0
65°	0	0	774	0	0
70°	0	957	957	0	0
75°	0	1264	1264	0	0
80°	0	1884	1884	1884	0
85°	0	3754	3754	3754	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 430224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	4.1
10°-20°	185.5	13.6
20°-30°	333.4	24.4
30°-40°	405.3	29.6
40°-50°	313.0	22.9
50°-60°	72.8	5.3
60°-70°	0.5	0.0
70°-80°	1.0	0.1
80°-90°	1.0	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°	574.4	42.0
0°-40°	979.7	71.6
0°-60°	1365.5	99.8
0°-90°	1368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1368.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	508	508	508	508	508	
5°	1116	936	510	232	152	105
15°	1620	1203	454	64	46	453
25°	2066	1531	255	6	0	940
35°	1954	1403	6	0	0	1227
45°	1734	971	0	0	0	1225
55°	58	0	0	0	0	238
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°	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7
2.5°	791.5	791.5	795.4	793.4	776.0	768.3	743.2	729.7	725.9	695.0	683.4
5°	1115.8	1117.7	1108.1	1106.2	1086.9	1073.3	1052.1	1019.3	986.5	936.3	891.9
7.5°	1195.0	1193.0	1191.1	1191.1	1187.2	1179.5	1169.9	1160.2	1146.7	1115.8	1081.1
10°	1193.0	1193.0	1191.1	1191.1	1189.2	1191.1	1189.2	1183.4	1177.6	1158.3	1139.0
12.5°	1343.6	1332.0	1316.6	1293.4	1254.8	1225.8	1193.0	1183.4	1179.5	1173.7	1162.1
15°	1619.7	1610.0	1577.2	1536.7	1498.0	1432.4	1380.3	1308.9	1252.9	1202.7	1177.6
17.5°	1752.9	1758.7	1722.0	1696.9	1660.2	1608.1	1546.3	1472.9	1393.8	1299.2	1223.9
20°	1861.0	1866.8	1835.9	1810.8	1768.3	1714.3	1660.2	1581.1	1505.8	1401.5	1303.1
22.5°	1971.0	1974.9	1945.9	1909.2	1861.0	1805.0	1735.5	1654.4	1573.3	1480.7	1376.4
25°	2065.6	2061.7	2013.5	1961.4	1915.0	1855.2	1787.6	1708.5	1631.2	1530.9	1432.4
27.5°	2102.3	2100.3	2046.3	1996.1	1942.0	1861.0	1801.1	1731.6	1650.5	1561.7	1461.4
30°	2055.9	2086.8	2052.1	2015.4	1949.8	1868.7	1810.8	1727.8	1652.5	1565.6	1451.7
32.5°	2007.7	2046.3	2034.7	2017.3	1940.1	1876.4	1801.1	1723.9	1635.1	1534.7	1361.0
35°	1953.6	1994.2	1996.1	1976.8	1907.3	1843.6	1774.1	1693.0	1592.6	1403.4	1276.0
37.5°	1905.4	1944.0	1955.6	1915.0	1861.0	1776.0	1712.3	1627.4	1445.9	1318.5	1252.9
40°	1868.7	1897.6	1915.0	1851.3	1797.3	1714.3	1640.9	1492.3	1328.2	1283.8	1191.1
42.5°	1830.1	1857.1	1864.8	1795.3	1712.3	1633.2	1527.0	1339.7	1291.5	1225.8	976.8
45°	1733.6	1766.4	1747.1	1679.5	1617.7	1534.7	1376.4	1295.3	1243.2	971.0	600.4
47.5°	1301.1	1337.8	1389.9	1409.2	1430.5	1370.6	1283.8	1254.8	1021.2	588.8	187.3
50°	1150.6	1144.8	1144.8	1154.4	1171.8	1191.1	1216.2	1057.9	613.9	183.4	0.0
52.5°	469.1	492.3	606.2	708.5	826.2	944.0	980.7	648.6	239.4	3.9	0.0
55°	57.9	57.9	81.1	139.0	229.7	370.6	417.0	208.5	17.4	0.0	0.0
57.5°	0.0	0.0	0.0	1.9	15.4	42.5	29.0	7.7	1.9	1.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
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°	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7
2.5°	664.1	640.9	608.1	511.6	428.6	355.2	312.7	291.5
5°	849.4	793.4	718.1	509.6	347.5	231.7	173.7	152.5
7.5°	1027.0	963.3	835.9	501.9	266.4	135.1	75.3	59.8
10°	1104.2	1057.9	944.0	490.3	193.0	63.7	63.7	65.6
12.5°	1135.1	1100.4	1007.7	473.0	127.4	61.8	65.6	61.8
15°	1156.3	1123.5	1038.6	453.7	73.4	63.7	52.1	46.3
17.5°	1167.9	1129.3	1048.2	417.0	48.3	54.1	32.8	27.0
20°	1204.6	1142.8	1056.0	374.5	46.3	36.7	17.4	13.5
22.5°	1266.4	1169.9	1057.9	322.4	36.7	21.2	5.8	0.0
25°	1322.4	1206.5	1063.7	254.8	11.6	5.8	0.0	0.0
27.5°	1349.4	1218.1	1061.8	179.5	0.0	0.0	0.0	0.0
30°	1316.6	1189.2	1044.4	112.0	0.0	0.0	0.0	0.0
32.5°	1239.4	1167.9	990.3	48.3	0.0	0.0	0.0	0.0
35°	1214.3	1121.6	866.8	5.8	0.0	0.0	0.0	0.0
37.5°	1158.3	988.4	637.1	0.0	0.0	0.0	0.0	0.0
40°	996.1	714.3	303.1	0.0	0.0	0.0	0.0	0.0
42.5°	658.3	305.0	17.4	0.0	0.0	0.0	0.0	0.0
45°	231.7	19.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.9	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°	1.9	1.9	1.9	1.9	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	1.9	1.9	0.0	0.0	0.0	0.0
67.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
70°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
72.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
75°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
77.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
80°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
85°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
87.5°	1.9	1.9	1.9	1.9	1.9	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)