

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: P1307112

Luminaire Tested: P3SQAS17R609027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307112
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: P3SQAS17R609027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

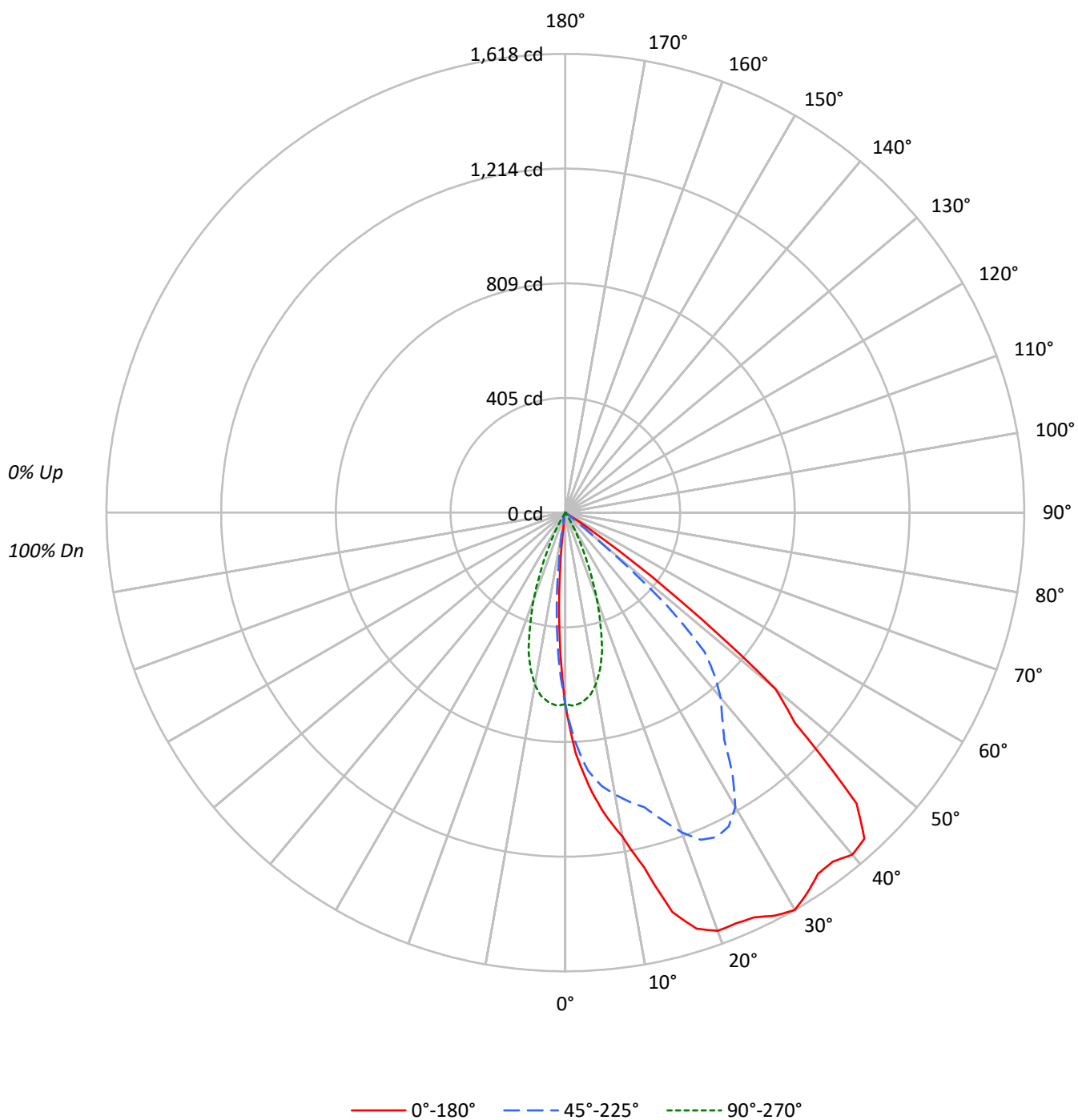
Lumens per Lamp: N/A
Luminaire Lumens: 1098.0 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	116354	116354	116354	116354	116354
5°	167711	157944	116176	59851	38449
10°	202860	176576	107848	7153	4197
15°	259976	191813	89381	4707	3851
20°	287724	219876	59931	2639	440
25°	299235	239852	29473	228	0
30°	321765	238340	8134	0	0
35°	326784	205220	0	0	0
40°	354025	191345	0	0	0
45°	353673	168933	0	0	0
50°	258955	40913	0	0	0
55°	50534	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	1190	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 354257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	5.3
10°-20°	165.2	15.0
20°-30°	263.3	24.0
30°-40°	304.3	27.7
40°-50°	241.7	22.0
50°-60°	63.6	5.8
60°-70°	0.4	0.0
70°-80°	0.7	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°	486.5	44.3
0°-40°	790.9	72.0
0°-60°	1096.2	99.8
0°-90°	1098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1098.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	676	676	676	676	676	
5°	970	914	672	346	222	98
15°	1458	1076	501	26	22	406
25°	1575	1262	155	1	0	734
35°	1554	976	0	0	0	987
45°	1452	694	0	0	0	1034
55°	168	0	0	0	0	254
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	849.9	858.3	854.7	851.1	842.6	839.0	839.0	829.4	813.8	811.4	800.6
5°	970.1	972.5	972.5	970.1	964.1	954.4	952.0	942.4	928.0	913.6	899.1
7.5°	1074.6	1073.4	1066.2	1061.4	1050.6	1037.4	1025.4	1012.1	990.5	971.3	950.8
10°	1160.0	1163.6	1157.6	1145.6	1131.1	1113.1	1093.9	1071.0	1038.6	1009.7	983.3
12.5°	1280.2	1279.0	1263.4	1242.9	1208.1	1174.4	1144.4	1119.1	1079.5	1044.6	1012.1
15°	1458.1	1455.7	1441.3	1423.2	1372.8	1322.3	1270.6	1199.7	1133.5	1075.8	1030.2
17.5°	1538.6	1543.4	1531.4	1521.8	1493.0	1459.3	1413.6	1342.7	1240.5	1136.0	1039.8
20°	1569.9	1575.9	1567.5	1566.3	1553.1	1537.4	1500.2	1423.2	1323.5	1199.7	1080.7
22.5°	1568.7	1573.5	1569.9	1585.5	1601.1	1592.7	1547.1	1470.1	1367.9	1248.9	1114.3
25°	1574.7	1571.1	1557.9	1580.7	1603.6	1596.3	1573.5	1507.4	1395.6	1262.2	1126.3
27.5°	1602.4	1575.9	1549.5	1578.3	1589.1	1591.5	1578.3	1500.2	1390.8	1247.7	1102.3
30°	1618.0	1589.1	1567.5	1591.5	1591.5	1604.8	1577.1	1488.2	1349.9	1198.5	1038.6
32.5°	1589.1	1583.1	1602.4	1626.4	1632.4	1632.4	1571.1	1448.5	1281.4	1097.5	936.4
35°	1554.3	1568.7	1624.0	1634.8	1634.8	1608.4	1533.8	1378.8	1179.2	976.1	860.7
37.5°	1550.7	1573.5	1634.8	1621.6	1599.9	1550.7	1442.5	1257.4	1033.8	907.6	804.2
40°	1574.7	1596.3	1632.4	1584.3	1532.6	1455.7	1325.9	1098.7	946.0	851.1	735.7
42.5°	1560.3	1580.7	1581.9	1511.0	1437.7	1333.1	1161.2	970.1	882.3	778.9	657.5
45°	1452.1	1454.5	1449.7	1374.0	1298.2	1190.0	1007.3	906.4	812.6	693.6	483.2
47.5°	1097.5	1092.7	1110.7	1089.1	1092.7	1027.8	914.8	831.8	720.0	486.8	146.7
50°	966.5	960.4	942.4	923.2	904.0	872.7	819.8	730.9	519.3	152.7	4.8
52.5°	518.1	546.9	603.4	690.0	722.4	720.0	680.4	540.9	163.5	1.2	0.0
55°	168.3	165.9	185.1	218.8	300.5	346.2	360.6	183.9	3.6	0.0	0.0
57.5°	0.0	0.0	0.0	3.6	12.0	31.3	40.9	2.4	0.0	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.2	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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	786.1	769.3	750.1	681.6	601.0	522.9	466.4	452.0
5°	876.3	847.5	806.6	672.0	496.5	346.2	247.6	222.4
7.5°	923.2	897.9	854.7	652.7	384.7	170.7	63.7	43.3
10°	952.0	922.0	873.9	616.7	251.2	40.9	22.8	24.0
12.5°	972.5	937.6	883.5	565.0	127.4	20.4	28.8	30.1
15°	980.9	943.6	882.3	501.3	45.7	26.4	25.2	21.6
17.5°	976.1	929.2	866.7	409.9	15.6	25.2	13.2	10.8
20°	970.1	917.2	841.4	327.0	13.2	14.4	4.8	2.4
22.5°	989.3	896.7	806.6	234.4	13.2	4.8	0.0	0.0
25°	991.7	888.3	762.1	155.1	6.0	1.2	0.0	0.0
27.5°	967.7	839.0	693.6	91.4	0.0	0.0	0.0	0.0
30°	890.7	777.7	620.3	40.9	0.0	0.0	0.0	0.0
32.5°	815.0	709.2	538.5	9.6	0.0	0.0	0.0	0.0
35°	754.9	638.3	448.4	0.0	0.0	0.0	0.0	0.0
37.5°	680.4	554.2	334.2	0.0	0.0	0.0	0.0	0.0
40°	602.2	447.2	167.1	0.0	0.0	0.0	0.0	0.0
42.5°	470.0	212.8	16.8	0.0	0.0	0.0	0.0	0.0
45°	180.3	19.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9.6	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°	1.2	1.2	0.0	0.0	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	0.0	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	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	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)