

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: P1317329

Luminaire Tested: P3SQAS17R609830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317329
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: P3SQAS17R609830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

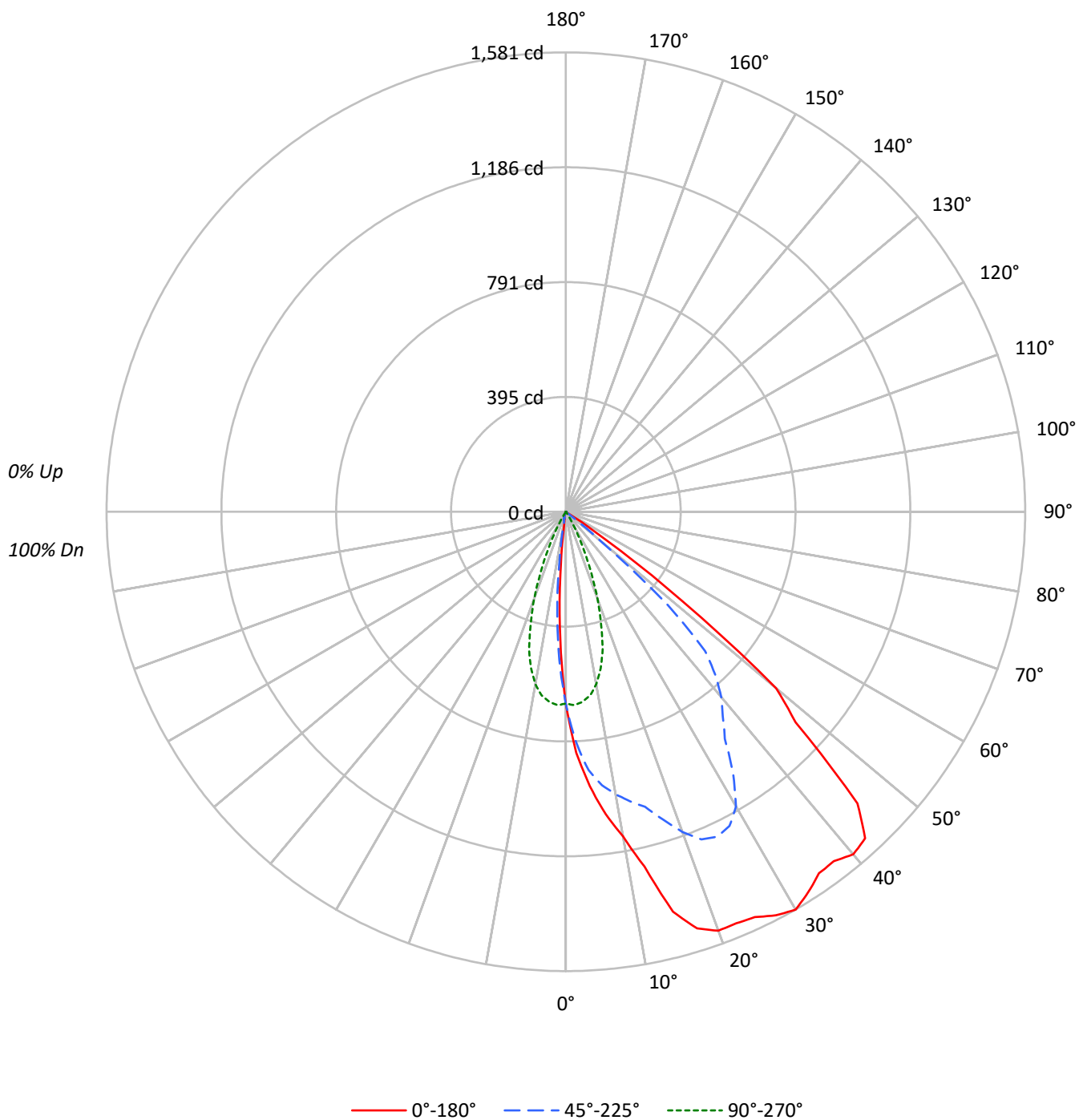
Lumens per Lamp: N/A
Luminaire Lumens: 1073.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	63	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°	113701	113701	113701	113701	113701
5°	163891	154348	113531	58485	37567
10°	198243	172554	105382	6978	4110
15°	254057	187463	87330	4600	3762
20°	281181	214854	58557	2584	422
25°	292413	234379	28789	228	0
30°	314426	232911	7935	0	0
35°	319341	200553	0	0	0
40°	345954	186983	0	0	0
45°	345611	165085	0	0	0
50°	253061	39975	0	0	0
55°	49393	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: 346196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	5.3
10°-20°	161.5	15.0
20°-30°	257.3	24.0
30°-40°	297.4	27.7
40°-50°	236.2	22.0
50°-60°	62.2	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°	475.4	44.3
0°-40°	772.9	72.0
0°-60°	1071.2	99.8
0°-90°	1073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1073.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	660	660	660	660	660	
5°	948	893	657	338	217	96
15°	1425	1051	490	26	21	397
25°	1539	1233	152	1	0	718
35°	1519	954	0	0	0	965
45°	1419	678	0	0	0	1010
55°	164	0	0	0	0	248
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°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
2.5°	830.5	838.7	835.2	831.7	823.5	819.9	819.9	810.5	795.3	792.9	782.3
5°	948.0	950.3	950.3	948.0	942.1	932.7	930.4	921.0	906.9	892.8	878.7
7.5°	1050.2	1049.0	1042.0	1037.3	1026.7	1013.8	1002.0	989.1	967.9	949.2	929.2
10°	1133.6	1137.1	1131.2	1119.5	1105.4	1087.8	1069.0	1046.7	1014.9	986.7	960.9
12.5°	1251.0	1249.9	1234.6	1214.6	1180.6	1147.7	1118.3	1093.6	1054.9	1020.8	989.1
15°	1424.9	1422.6	1408.5	1390.8	1341.5	1292.2	1241.7	1172.3	1107.7	1051.4	1006.7
17.5°	1503.6	1508.3	1496.6	1487.2	1459.0	1426.1	1381.4	1312.1	1212.3	1110.1	1016.1
20°	1534.2	1540.0	1531.8	1530.6	1517.7	1502.4	1466.0	1390.8	1293.3	1172.3	1056.1
22.5°	1533.0	1537.7	1534.2	1549.4	1564.7	1556.5	1511.8	1436.7	1336.8	1220.5	1088.9
25°	1538.8	1535.3	1522.4	1544.7	1567.0	1560.0	1537.7	1473.1	1363.8	1233.4	1100.7
27.5°	1565.9	1540.0	1514.2	1542.4	1552.9	1555.3	1542.4	1466.0	1359.1	1219.3	1077.2
30°	1581.1	1552.9	1531.8	1555.3	1555.3	1568.2	1541.2	1454.3	1319.2	1171.2	1014.9
32.5°	1552.9	1547.1	1565.9	1589.4	1595.2	1595.2	1535.3	1415.5	1252.2	1072.5	915.1
35°	1518.9	1533.0	1587.0	1597.6	1597.6	1571.7	1498.9	1347.4	1152.4	953.9	841.1
37.5°	1515.4	1537.7	1597.6	1584.7	1563.5	1515.4	1409.6	1228.7	1010.2	886.9	785.9
40°	1538.8	1560.0	1595.2	1548.2	1497.7	1422.6	1295.7	1073.7	924.5	831.7	718.9
42.5°	1524.8	1544.7	1545.9	1476.6	1404.9	1302.7	1134.8	948.0	862.2	761.2	642.6
45°	1419.0	1421.4	1416.7	1342.7	1268.7	1162.9	984.4	885.7	794.1	677.8	472.2
47.5°	1072.5	1067.8	1085.4	1064.3	1067.8	1004.4	893.9	812.9	703.6	475.8	143.3
50°	944.5	938.6	921.0	902.2	883.4	852.8	801.1	714.2	507.5	149.2	4.7
52.5°	506.3	534.5	589.7	674.3	706.0	703.6	664.9	528.6	159.8	1.2	0.0
55°	164.5	162.1	180.9	213.8	293.7	338.3	352.4	179.7	3.5	0.0	0.0
57.5°	0.0	0.0	0.0	3.5	11.7	30.5	39.9	2.3	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°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
2.5°	768.2	751.8	733.0	666.1	587.3	511.0	455.8	441.7
5°	856.4	828.2	788.2	656.7	485.1	338.3	242.0	217.3
7.5°	902.2	877.5	835.2	637.9	375.9	166.8	62.3	42.3
10°	930.4	901.0	854.0	602.6	245.5	39.9	22.3	23.5
12.5°	950.3	916.3	863.4	552.1	124.5	20.0	28.2	29.4
15°	958.6	922.1	862.2	489.8	44.6	25.8	24.7	21.1
17.5°	953.9	908.0	847.0	400.6	15.3	24.7	12.9	10.6
20°	948.0	896.3	822.3	319.5	12.9	14.1	4.7	2.3
22.5°	966.8	876.3	788.2	229.1	12.9	4.7	0.0	0.0
25°	969.1	868.1	744.8	151.5	5.9	1.2	0.0	0.0
27.5°	945.6	819.9	677.8	89.3	0.0	0.0	0.0	0.0
30°	870.4	760.0	606.1	39.9	0.0	0.0	0.0	0.0
32.5°	796.4	693.1	526.3	9.4	0.0	0.0	0.0	0.0
35°	737.7	623.8	438.2	0.0	0.0	0.0	0.0	0.0
37.5°	664.9	541.5	326.6	0.0	0.0	0.0	0.0	0.0
40°	588.5	437.0	163.3	0.0	0.0	0.0	0.0	0.0
42.5°	459.3	207.9	16.4	0.0	0.0	0.0	0.0	0.0
45°	176.2	18.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9.4	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)