

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: P1313467

Luminaire Tested: P3SQAS13R559730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

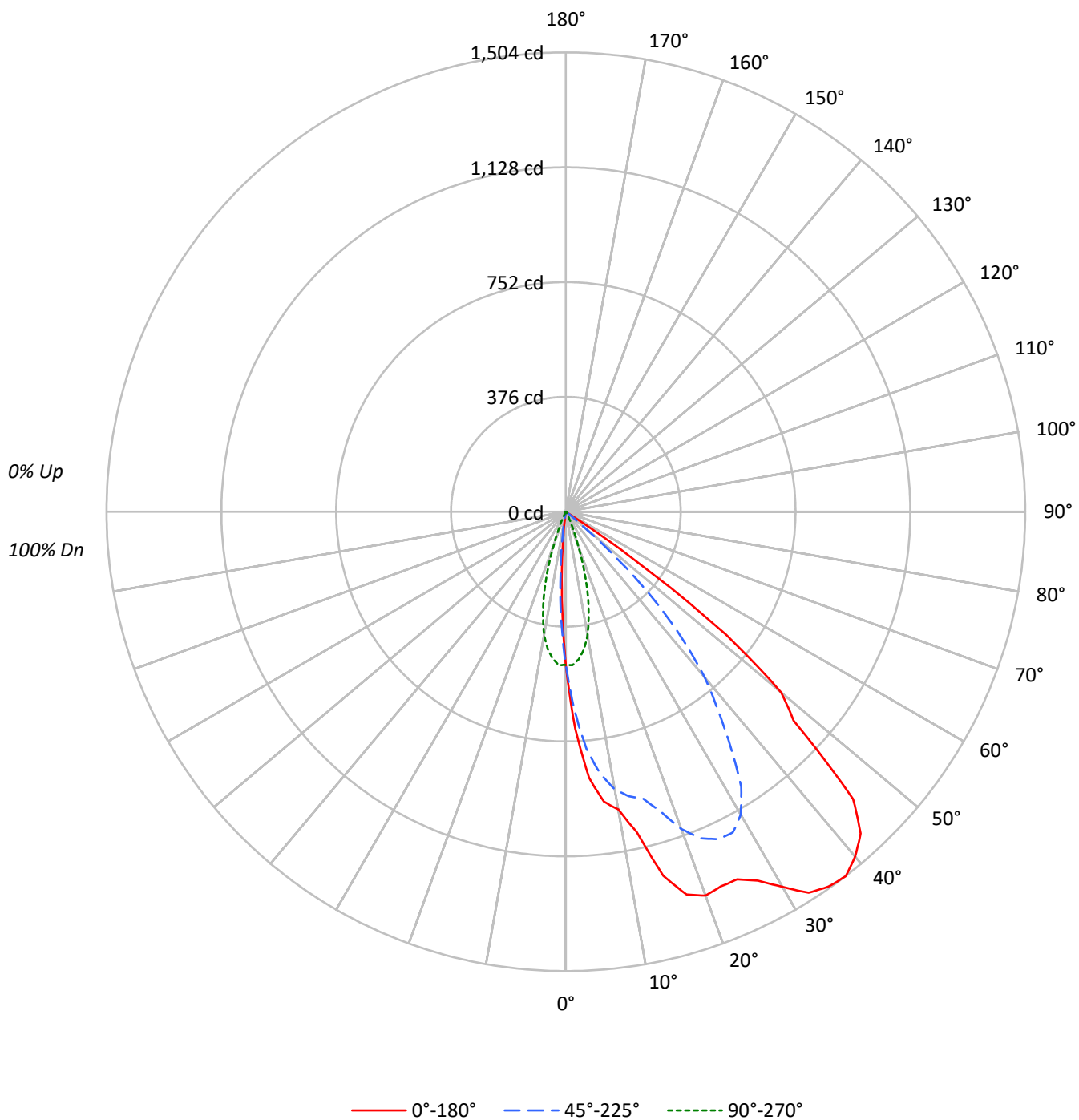
Lumens per Lamp: N/A
Luminaire Lumens: 927.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	86266	86266	86266	86266	86266
5°	151201	134795	83743	34784	20037
10°	173061	161326	71596	3812	1364
15°	219931	173181	49085	785	464
20°	245076	202611	21553	0	0
25°	252279	224802	6119	0	0
30°	281872	227820	875	0	0
35°	315031	197799	0	0	0
40°	331386	159218	0	0	0
45°	323983	100566	0	0	0
50°	246711	20550	0	0	0
55°	80830	0	0	0	0
60°	0	0	0	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	1686	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 323983 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	4.9
10°-20°	134.1	14.5
20°-30°	218.1	23.5
30°-40°	259.2	28.0
40°-50°	212.0	22.9
50°-60°	56.2	6.1
60°-70°	0.4	0.0
70°-80°	0.6	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°	398.0	42.9
0°-40°	657.2	70.9
0°-60°	925.4	99.8
0°-90°	927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	501	501	501	501	501	
5°	875	780	484	201	116	86
15°	1234	971	275	4	3	345
25°	1328	1183	32	0	0	625
35°	1498	941	0	0	0	932
45°	1330	413	0	0	0	955
55°	269	0	0	0	0	303
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°	67.5°
0°	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9
2.5°	710.9	705.6	706.5	703.9	706.5	695.2	683.0	671.7	662.9	650.7	576.7
5°	874.6	865.9	863.3	859.8	856.3	842.4	831.1	817.1	800.6	779.7	643.8
7.5°	957.4	950.4	946.9	948.7	940.8	935.6	920.8	905.1	887.7	865.1	694.3
10°	989.6	982.7	981.8	980.9	980.0	976.6	969.6	955.7	940.0	922.5	723.1
12.5°	1074.1	1058.4	1048.0	1035.8	1021.0	1001.8	986.1	973.9	967.8	953.9	736.1
15°	1233.5	1218.7	1207.4	1191.7	1163.9	1122.9	1085.5	1037.5	995.7	971.3	730.9
17.5°	1313.7	1306.7	1297.1	1286.7	1267.5	1237.9	1199.6	1149.0	1095.9	1027.1	705.6
20°	1337.2	1333.7	1326.8	1322.4	1309.3	1288.4	1262.3	1223.1	1173.4	1105.5	666.4
22.5°	1327.6	1330.2	1333.7	1345.1	1346.8	1332.0	1307.6	1270.1	1219.6	1156.9	606.3
25°	1327.6	1325.9	1325.9	1349.4	1364.2	1357.2	1339.8	1305.9	1254.5	1183.0	532.3
27.5°	1361.6	1351.2	1329.4	1353.8	1378.2	1375.5	1359.9	1319.8	1262.3	1183.9	441.7
30°	1417.4	1394.7	1359.0	1381.6	1404.3	1394.7	1369.4	1318.0	1244.9	1145.6	331.0
32.5°	1479.2	1468.8	1450.5	1465.3	1461.8	1423.5	1378.2	1306.7	1209.2	1068.9	223.0
35°	1498.4	1500.1	1487.9	1485.3	1465.3	1426.1	1378.2	1274.5	1134.2	940.8	132.4
37.5°	1504.5	1505.3	1486.2	1461.8	1432.2	1386.0	1328.5	1208.3	995.7	817.1	70.6
40°	1474.0	1473.1	1441.8	1412.1	1379.0	1333.7	1250.1	1068.9	864.2	708.2	25.3
42.5°	1428.7	1417.4	1387.7	1351.2	1311.1	1254.5	1123.8	902.5	750.9	567.1	1.7
45°	1330.2	1319.8	1296.3	1257.1	1212.6	1132.5	926.0	775.3	610.7	412.9	0.0
47.5°	1011.4	1006.2	1030.6	1035.8	1034.9	943.5	772.7	632.5	448.6	240.4	0.0
50°	920.8	913.8	889.4	858.1	802.3	725.7	619.4	468.7	263.1	76.7	0.0
52.5°	661.2	683.9	689.1	665.6	613.3	537.5	426.9	270.1	91.5	0.0	0.0
55°	269.2	255.2	265.7	278.8	289.2	265.7	196.9	95.8	0.9	0.0	0.0
57.5°	0.0	0.9	5.2	12.2	20.0	25.3	27.0	1.7	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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):

	90°	112.5°	135°	157.5°	180°
0°	500.9	500.9	500.9	500.9	500.9
2.5°	502.7	425.1	350.2	309.3	289.2
5°	484.4	324.9	201.2	139.4	115.9
7.5°	453.9	223.0	80.1	33.1	23.5
10°	409.4	128.1	21.8	8.7	7.8
12.5°	345.8	58.4	7.8	6.1	6.1
15°	275.3	20.0	4.4	3.5	2.6
17.5°	193.4	5.2	1.7	0.0	0.0
20°	117.6	0.9	0.0	0.0	0.0
22.5°	65.3	0.0	0.0	0.0	0.0
25°	32.2	0.0	0.0	0.0	0.0
27.5°	13.9	0.0	0.0	0.0	0.0
30°	4.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.0	0.0	0.0	0.0
65°	0.9	0.9	0.0	0.0	0.0
67.5°	0.9	0.9	0.0	0.0	0.0
70°	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.0	0.0	0.0
77.5°	1.7	0.9	0.9	0.0	0.0
80°	1.7	0.9	0.9	0.0	0.0
82.5°	1.7	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.9	0.0	0.0
87.5°	1.7	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)