

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: P1305973

Luminaire Tested: P3SQAS13R559024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305973
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: P3SQAS13R559024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

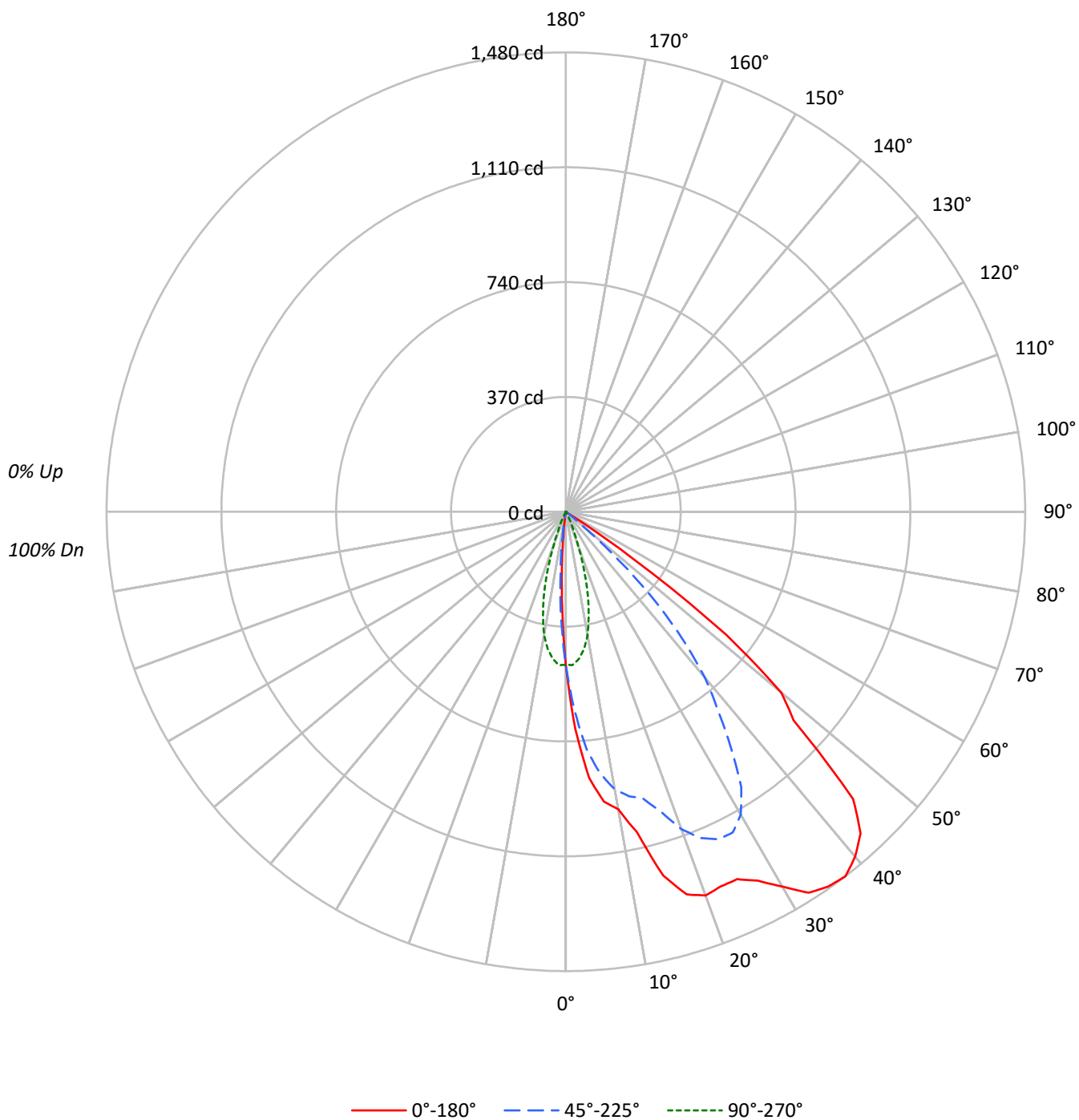
Lumens per Lamp: N/A
Luminaire Lumens: 912.1 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	84871	84871	84871	84871	84871
5°	148764	132617	82378	34230	19708
10°	170263	158721	70441	3742	1347
15°	216382	170382	48283	767	464
20°	241117	199330	21205	0	0
25°	248194	221172	6024	0	0
30°	277298	224122	855	0	0
35°	309922	194603	0	0	0
40°	326012	156655	0	0	0
45°	318746	98934	0	0	0
50°	242719	20202	0	0	0
55°	79509	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: 318746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	4.9
10°-20°	132.0	14.5
20°-30°	214.6	23.5
30°-40°	255.0	28.0
40°-50°	208.5	22.9
50°-60°	55.3	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°	391.6	42.9
0°-40°	646.6	70.9
0°-60°	910.4	99.8
0°-90°	912.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	912.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	493	493	493	493	493	
5°	860	767	476	198	114	84
15°	1214	956	271	4	3	339
25°	1306	1164	32	0	0	615
35°	1474	926	0	0	0	917
45°	1309	406	0	0	0	939
55°	265	0	0	0	0	298
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°	492.8	492.8	492.8	492.8	492.8	492.8	492.8	492.8	492.8	492.8	492.8
2.5°	699.4	694.2	695.1	692.5	695.1	683.9	671.9	660.8	652.2	640.2	567.4
5°	860.5	851.9	849.3	845.9	842.5	828.8	817.6	803.9	787.6	767.1	633.4
7.5°	941.9	935.0	931.6	933.3	925.6	920.5	905.9	890.5	873.3	851.1	683.1
10°	973.6	966.8	965.9	965.0	964.2	960.8	953.9	940.2	924.8	907.6	711.4
12.5°	1056.7	1041.3	1031.0	1019.0	1004.5	985.6	970.2	958.2	952.2	938.5	724.2
15°	1213.6	1199.0	1187.9	1172.4	1145.0	1104.7	1067.9	1020.7	979.6	955.6	719.1
17.5°	1292.4	1285.6	1276.2	1265.9	1247.0	1217.9	1180.2	1130.5	1078.2	1010.5	694.2
20°	1315.6	1312.1	1305.3	1301.0	1288.1	1267.6	1241.9	1203.3	1154.4	1087.6	655.6
22.5°	1306.1	1308.7	1312.1	1323.3	1325.0	1310.4	1286.4	1249.6	1199.9	1138.2	596.5
25°	1306.1	1304.4	1304.4	1327.6	1342.1	1335.3	1318.1	1284.7	1234.2	1163.9	523.7
27.5°	1339.6	1329.3	1307.9	1331.9	1355.9	1353.3	1337.9	1298.4	1241.9	1164.7	434.5
30°	1394.4	1372.1	1337.0	1359.3	1381.6	1372.1	1347.3	1296.7	1224.7	1127.0	325.7
32.5°	1455.3	1445.0	1427.0	1441.6	1438.1	1400.4	1355.9	1285.6	1189.6	1051.6	219.4
35°	1474.1	1475.8	1463.8	1461.3	1441.6	1403.0	1355.9	1253.9	1115.9	925.6	130.3
37.5°	1480.1	1481.0	1462.1	1438.1	1409.0	1363.6	1307.0	1188.7	979.6	803.9	69.4
40°	1450.1	1449.3	1418.4	1389.3	1356.7	1312.1	1229.9	1051.6	850.2	696.8	24.9
42.5°	1405.6	1394.4	1365.3	1329.3	1289.9	1234.2	1105.6	887.9	738.8	557.9	1.7
45°	1308.7	1298.4	1275.3	1236.7	1193.0	1114.2	911.0	762.8	600.8	406.2	0.0
47.5°	995.0	989.9	1013.9	1019.0	1018.2	928.2	760.2	622.2	441.4	236.5	0.0
50°	905.9	899.0	875.1	844.2	789.3	713.9	609.4	461.1	258.8	75.4	0.0
52.5°	650.5	672.8	677.9	654.8	603.4	528.8	420.0	265.7	90.0	0.0	0.0
55°	264.8	251.1	261.4	274.3	284.5	261.4	193.7	94.3	0.9	0.0	0.0
57.5°	0.0	0.9	5.1	12.0	19.7	24.9	26.6	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°	492.8	492.8	492.8	492.8	492.8
2.5°	494.5	418.2	344.5	304.3	284.5
5°	476.5	319.7	198.0	137.1	114.0
7.5°	446.5	219.4	78.8	32.6	23.1
10°	402.8	126.0	21.4	8.6	7.7
12.5°	340.2	57.4	7.7	6.0	6.0
15°	270.8	19.7	4.3	3.4	2.6
17.5°	190.3	5.1	1.7	0.0	0.0
20°	115.7	0.9	0.0	0.0	0.0
22.5°	64.3	0.0	0.0	0.0	0.0
25°	31.7	0.0	0.0	0.0	0.0
27.5°	13.7	0.0	0.0	0.0	0.0
30°	4.3	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)