

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: P1307124

Luminaire Tested: P3SQAS17R709027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307124
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: P3SQAS17R709027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

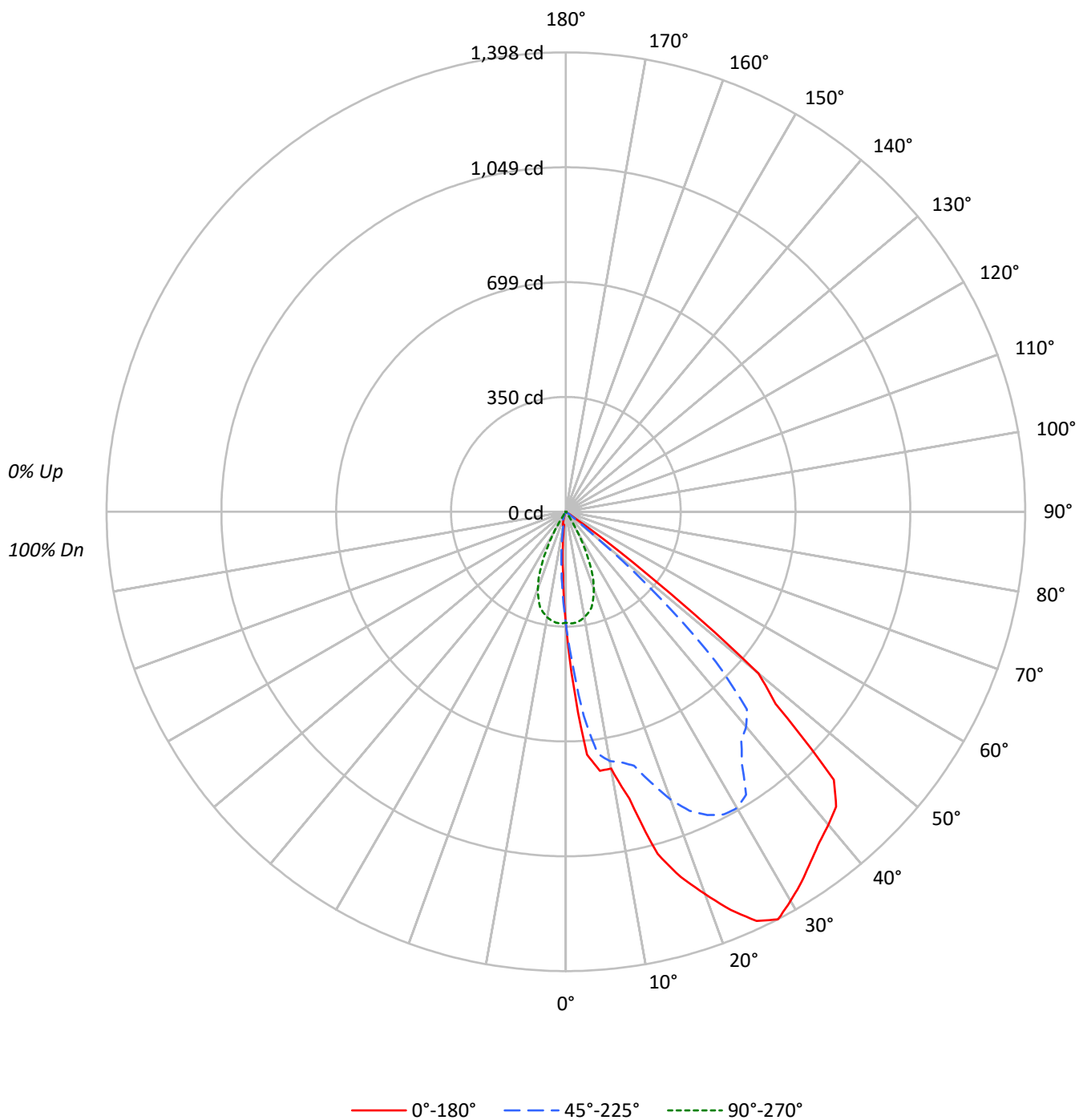
Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	58160	58160	58160	58160	58160
5°	128312	107670	58606	26641	17530
10°	138784	134745	57046	7415	7642
15°	192098	142638	53810	7560	5492
20°	226877	170868	45654	4472	1649
25°	261097	193504	32210	741	0
30°	271969	207099	14815	0	0
35°	273234	196285	820	0	0
40°	279475	191997	0	0	0
45°	280873	157315	0	0	0
50°	205074	32688	0	0	0
55°	11560	0	0	0	0
60°	0	448	448	0	0
65°	0	0	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 286183 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	4.1
10°-20°	123.4	13.6
20°-30°	221.8	24.4
30°-40°	269.6	29.6
40°-50°	208.2	22.9
50°-60°	48.4	5.3
60°-70°	0.3	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°	382.1	42.0
0°-40°	651.7	71.6
0°-60°	908.3	99.8
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	338	338	338	338	338	
5°	742	623	339	154	101	70
15°	1077	800	302	42	31	301
25°	1374	1018	170	4	0	625
35°	1300	934	4	0	0	816
45°	1153	646	0	0	0	815
55°	38	0	0	0	0	158
65°	0	0	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°	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7
2.5°	526.5	526.5	529.1	527.8	516.2	511.1	494.4	485.4	482.8	462.3	454.6
5°	742.2	743.5	737.1	735.8	723.0	714.0	699.9	678.0	656.2	622.8	593.3
7.5°	794.9	793.6	792.3	792.3	789.8	784.6	778.2	771.8	762.8	742.2	719.1
10°	793.6	793.6	792.3	792.3	791.0	792.3	791.0	787.2	783.3	770.5	757.7
12.5°	893.8	886.1	875.8	860.4	834.7	815.4	793.6	787.2	784.6	780.8	773.1
15°	1077.4	1071.0	1049.2	1022.2	996.5	952.8	918.2	870.7	833.4	800.0	783.3
17.5°	1166.0	1169.9	1145.5	1128.8	1104.4	1069.7	1028.6	979.8	927.2	864.2	814.2
20°	1237.9	1241.8	1221.2	1204.5	1176.3	1140.3	1104.4	1051.7	1001.6	932.3	866.8
22.5°	1311.1	1313.7	1294.4	1270.0	1237.9	1200.7	1154.5	1100.5	1046.6	984.9	915.6
25°	1374.0	1371.5	1339.4	1304.7	1273.9	1234.1	1189.1	1136.5	1085.1	1018.3	952.8
27.5°	1398.4	1397.2	1361.2	1327.8	1291.9	1237.9	1198.1	1151.9	1098.0	1038.9	972.1
30°	1367.6	1388.2	1365.1	1340.7	1297.0	1243.1	1204.5	1149.3	1099.2	1041.4	965.7
32.5°	1335.5	1361.2	1353.5	1341.9	1290.6	1248.2	1198.1	1146.8	1087.7	1020.9	905.3
35°	1299.6	1326.5	1327.8	1315.0	1268.7	1226.4	1180.1	1126.2	1059.4	933.6	848.8
37.5°	1267.5	1293.1	1300.8	1273.9	1237.9	1181.4	1139.0	1082.5	961.8	877.1	833.4
40°	1243.1	1262.3	1273.9	1231.5	1195.5	1140.3	1091.5	992.7	883.5	854.0	792.3
42.5°	1217.4	1235.4	1240.5	1194.3	1139.0	1086.4	1015.8	891.2	859.1	815.4	649.8
45°	1153.2	1175.0	1162.2	1117.2	1076.1	1020.9	915.6	861.7	827.0	645.9	399.4
47.5°	865.5	889.9	924.6	937.4	951.6	911.8	854.0	834.7	679.3	391.7	124.6
50°	765.4	761.5	761.5	767.9	779.5	792.3	809.0	703.7	408.4	122.0	0.0
52.5°	312.0	327.5	403.2	471.3	549.6	628.0	652.4	431.5	159.2	2.6	0.0
55°	38.5	38.5	53.9	92.5	152.8	246.6	277.4	138.7	11.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	10.3	28.3	19.3	5.1	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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°	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7
2.5°	441.7	426.3	404.5	340.3	285.1	236.3	208.0	193.9
5°	565.0	527.8	477.7	339.0	231.1	154.1	115.6	101.4
7.5°	683.2	640.8	556.0	333.9	177.2	89.9	50.1	39.8
10°	734.5	703.7	628.0	326.2	128.4	42.4	42.4	43.7
12.5°	755.1	732.0	670.3	314.6	84.8	41.1	43.7	41.1
15°	769.2	747.4	690.9	301.8	48.8	42.4	34.7	30.8
17.5°	776.9	751.2	697.3	277.4	32.1	36.0	21.8	18.0
20°	801.3	760.2	702.4	249.1	30.8	24.4	11.6	9.0
22.5°	842.4	778.2	703.7	214.5	24.4	14.1	3.9	0.0
25°	879.6	802.6	707.6	169.5	7.7	3.9	0.0	0.0
27.5°	897.6	810.3	706.3	119.4	0.0	0.0	0.0	0.0
30°	875.8	791.0	694.7	74.5	0.0	0.0	0.0	0.0
32.5°	824.4	776.9	658.8	32.1	0.0	0.0	0.0	0.0
35°	807.7	746.1	576.6	3.9	0.0	0.0	0.0	0.0
37.5°	770.5	657.5	423.8	0.0	0.0	0.0	0.0	0.0
40°	662.6	475.1	201.6	0.0	0.0	0.0	0.0	0.0
42.5°	437.9	202.9	11.6	0.0	0.0	0.0	0.0	0.0
45°	154.1	12.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.6	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°	1.3	1.3	1.3	1.3	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	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	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)