

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: P1314607

Luminaire Tested: P3SQAS17R709735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314607
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: P3SQAS17R709735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

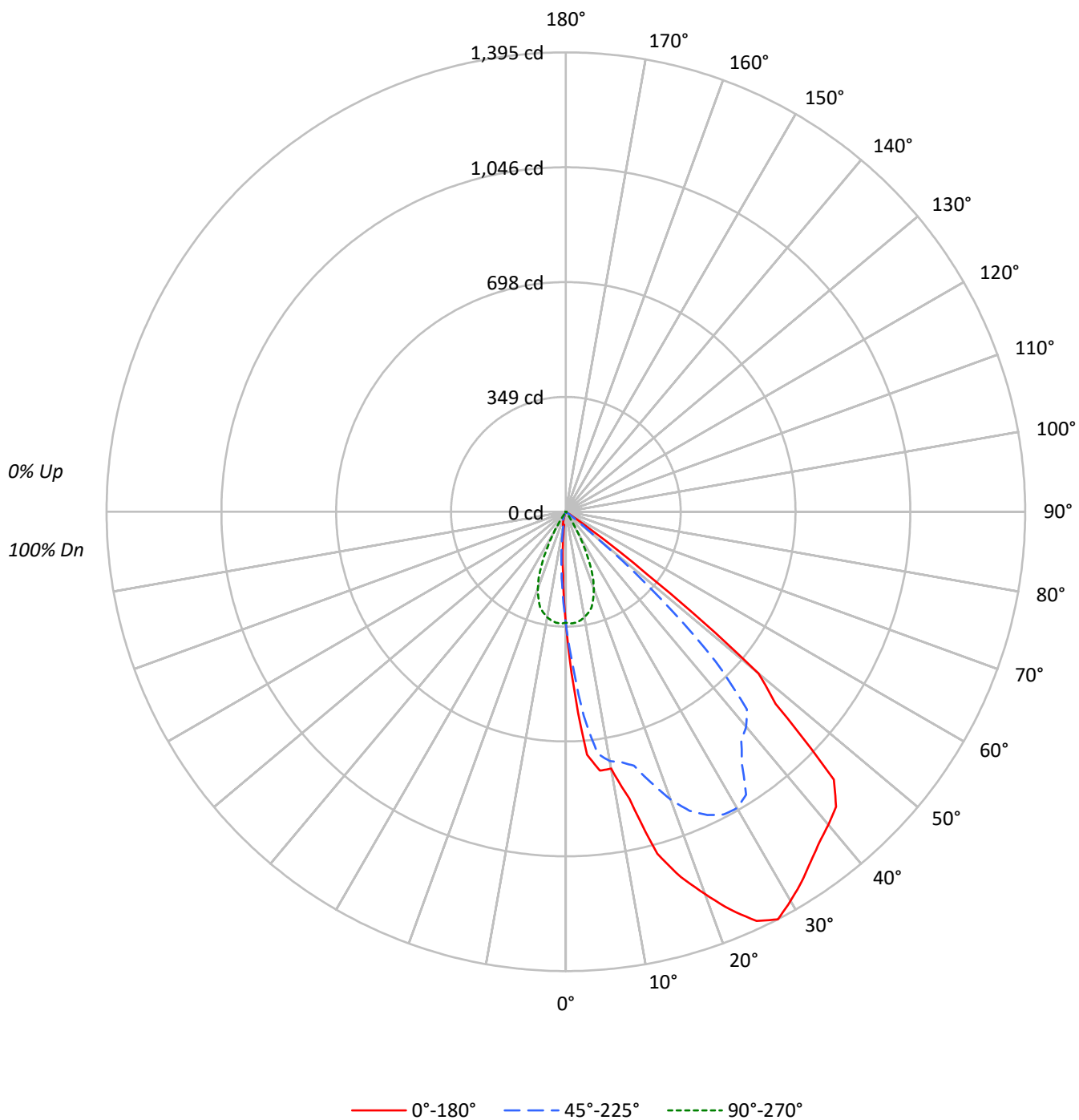
Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	58039	58039	58039	58039	58039
5°	128035	107428	58485	26589	17496
10°	138487	134447	56923	7397	7625
15°	191670	142335	53686	7542	5492
20°	226382	170483	45562	4454	1649
25°	260527	193086	32134	722	0
30°	271372	206661	14776	0	0
35°	272625	195843	799	0	0
40°	278845	191570	0	0	0
45°	280240	156974	0	0	0
50°	204619	32607	0	0	0
55°	11530	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: 285549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	4.1
10°-20°	123.1	13.6
20°-30°	221.3	24.4
30°-40°	269.0	29.6
40°-50°	207.7	22.9
50°-60°	48.3	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°	381.3	42.0
0°-40°	650.3	71.6
0°-60°	906.3	99.8
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	337	337	337	337	337	
5°	741	621	338	154	101	70
15°	1075	798	301	42	31	301
25°	1371	1016	169	4	0	624
35°	1297	932	4	0	0	815
45°	1151	644	0	0	0	813
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°	337.0	337.0	337.0	337.0	337.0	337.0	337.0	337.0	337.0	337.0	337.0
2.5°	525.3	525.3	527.9	526.6	515.1	510.0	493.3	484.3	481.8	461.3	453.6
5°	740.6	741.9	735.5	734.2	721.4	712.4	698.3	676.5	654.8	621.4	592.0
7.5°	793.1	791.9	790.6	790.6	788.0	782.9	776.5	770.1	761.1	740.6	717.5
10°	791.9	791.9	790.6	790.6	789.3	790.6	789.3	785.5	781.6	768.8	756.0
12.5°	891.8	884.1	873.9	858.5	832.9	813.6	791.9	785.5	782.9	779.1	771.4
15°	1075.0	1068.6	1046.8	1019.9	994.3	950.7	916.2	868.7	831.6	798.3	781.6
17.5°	1163.5	1167.3	1142.9	1126.3	1101.9	1067.4	1026.3	977.7	925.1	862.3	812.4
20°	1235.2	1239.0	1218.5	1201.9	1173.7	1137.8	1101.9	1049.4	999.4	930.2	864.9
22.5°	1308.2	1310.8	1291.6	1267.2	1235.2	1198.0	1151.9	1098.1	1044.3	982.8	913.6
25°	1371.0	1368.5	1336.4	1301.8	1271.1	1231.4	1186.5	1134.0	1082.7	1016.1	950.7
27.5°	1395.4	1394.1	1358.2	1324.9	1289.0	1235.2	1195.5	1149.4	1095.5	1036.6	970.0
30°	1364.6	1385.1	1362.1	1337.7	1294.1	1240.3	1201.9	1146.8	1096.8	1039.2	963.6
32.5°	1332.6	1358.2	1350.5	1339.0	1287.7	1245.5	1195.5	1144.2	1085.3	1018.7	903.3
35°	1296.7	1323.6	1324.9	1312.1	1266.0	1223.7	1177.5	1123.7	1057.1	931.5	847.0
37.5°	1264.7	1290.3	1298.0	1271.1	1235.2	1178.8	1136.5	1080.2	959.7	875.2	831.6
40°	1240.3	1259.6	1271.1	1228.8	1192.9	1137.8	1089.1	990.5	881.6	852.1	790.6
42.5°	1214.7	1232.6	1237.8	1191.6	1136.5	1084.0	1013.5	889.2	857.2	813.6	648.4
45°	1150.6	1172.4	1159.6	1114.8	1073.8	1018.7	913.6	859.8	825.2	644.5	398.5
47.5°	863.6	888.0	922.6	935.4	949.5	909.7	852.1	832.9	677.8	390.8	124.3
50°	763.7	759.8	759.8	766.2	777.8	790.6	807.2	702.2	407.5	121.7	0.0
52.5°	311.4	326.7	402.3	470.2	548.4	626.6	650.9	430.5	158.9	2.6	0.0
55°	38.4	38.4	53.8	92.3	152.5	246.0	276.8	138.4	11.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	10.3	28.2	19.2	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°	337.0	337.0	337.0	337.0	337.0	337.0	337.0	337.0
2.5°	440.8	425.4	403.6	339.6	284.5	235.8	207.6	193.5
5°	563.8	526.6	476.7	338.3	230.6	153.8	115.3	101.2
7.5°	681.7	639.4	554.8	333.1	176.8	89.7	50.0	39.7
10°	732.9	702.2	626.6	325.5	128.1	42.3	42.3	43.6
12.5°	753.4	730.4	668.9	313.9	84.6	41.0	43.6	41.0
15°	767.5	745.7	689.4	301.1	48.7	42.3	34.6	30.8
17.5°	775.2	749.6	695.8	276.8	32.0	35.9	21.8	17.9
20°	799.6	758.5	700.9	248.6	30.8	24.3	11.5	9.0
22.5°	840.6	776.5	702.2	214.0	24.3	14.1	3.8	0.0
25°	877.7	800.8	706.0	169.1	7.7	3.8	0.0	0.0
27.5°	895.7	808.5	704.7	119.2	0.0	0.0	0.0	0.0
30°	873.9	789.3	693.2	74.3	0.0	0.0	0.0	0.0
32.5°	822.6	775.2	657.3	32.0	0.0	0.0	0.0	0.0
35°	806.0	744.5	575.3	3.8	0.0	0.0	0.0	0.0
37.5°	768.8	656.0	422.8	0.0	0.0	0.0	0.0	0.0
40°	661.2	474.1	201.2	0.0	0.0	0.0	0.0	0.0
42.5°	436.9	202.5	11.5	0.0	0.0	0.0	0.0	0.0
45°	153.8	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)