

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: P1310317

Luminaire Tested: P3SQAS13R659040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R659040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

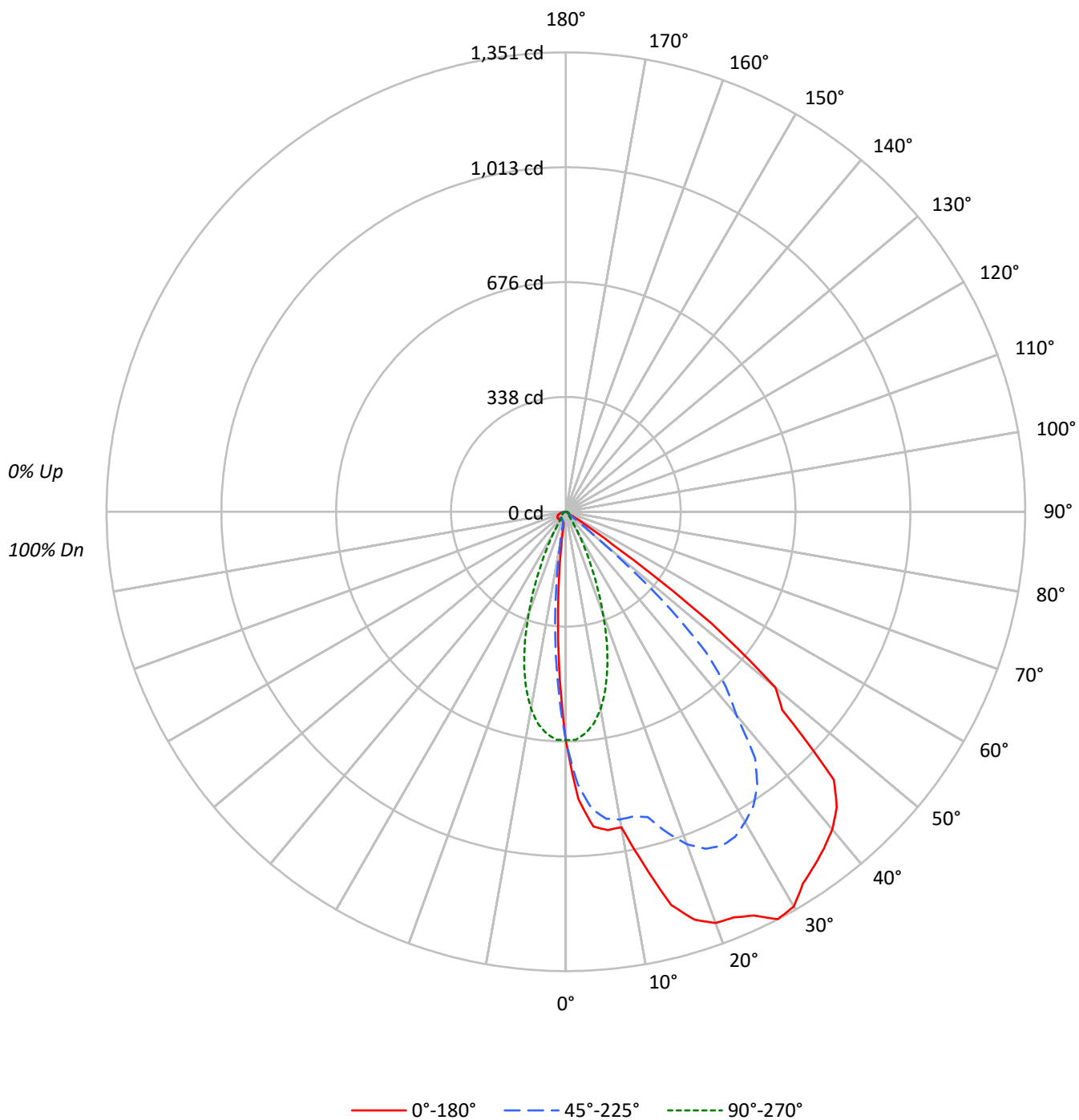
Lumens per Lamp: N/A
Luminaire Lumens: 1006.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	115596	115596	115596	115596	115596
5°	160675	151633	113133	62168	43739
10°	164719	160697	102934	17366	6401
15°	213423	165710	84246	5599	5402
20°	235857	190643	58630	4985	5168
25°	248916	206008	33179	4770	5169
30°	266540	209565	14975	4773	5409
35°	267495	206398	4836	5046	5929
40°	274056	175338	3282	5396	6587
45°	271423	141313	3312	5845	7136
50°	215390	33331	3349	6430	8118
55°	51164	1892	3453	7206	9098
60°	1791	2170	3961	7578	9713
65°	2119	2119	3831	8110	10636
70°	1561	2115	3676	7906	11078
75°	1397	2063	3460	8318	11112
80°	992	2083	4166	8331	11406
85°	1976	4150	4150	8299	10275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 271934 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	5.6
10°-20°	147.5	14.7
20°-30°	231.7	23.0
30°-40°	265.1	26.3
40°-50°	213.1	21.2
50°-60°	69.3	6.9
60°-70°	12.3	1.2
70°-80°	8.1	0.8
80°-90°	2.9	0.3
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°	435.2	43.3
0°-40°	700.3	69.6
0°-60°	982.6	97.7
0°-90°	1006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	671	671	671	671	671	
5°	929	877	654	360	253	88
15°	1197	929	472	31	30	334
25°	1310	1084	175	25	27	610
35°	1272	982	23	24	28	799
45°	1114	580	14	24	29	802
55°	170	6	12	24	30	244
65°	5	5	9	20	26	5
75°	2	3	5	12	17	2
85°	1	2	2	4	5	1
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°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	844.7	841.6	845.8	838.4	837.4	830.1	825.9	823.8	814.4	801.9	790.4
5°	929.4	916.8	920.0	918.9	913.7	910.6	906.4	901.2	888.6	877.1	862.5
7.5°	944.0	933.6	935.7	936.7	933.6	932.5	931.5	929.4	921.0	910.6	898.0
10°	941.9	931.5	930.4	927.3	924.2	925.2	925.2	925.2	923.1	918.9	914.8
12.5°	1063.2	1048.6	1045.4	1023.5	1003.6	969.1	947.2	926.3	916.8	917.9	914.8
15°	1197.0	1196.0	1185.5	1164.6	1131.2	1099.8	1049.6	1012.0	963.9	929.4	914.8
17.5°	1257.7	1256.6	1247.2	1229.4	1205.4	1176.1	1139.5	1095.6	1042.3	989.0	945.1
20°	1286.9	1294.3	1283.8	1269.2	1246.2	1219.0	1184.5	1144.8	1094.6	1040.2	987.9
22.5°	1291.1	1300.5	1291.1	1280.7	1263.9	1246.2	1216.9	1176.1	1124.9	1072.6	1021.4
25°	1309.9	1313.1	1293.2	1279.6	1263.9	1251.4	1228.4	1192.8	1140.6	1084.1	1033.9
27.5°	1350.7	1337.1	1295.3	1276.5	1261.8	1250.3	1228.4	1191.8	1135.3	1077.8	1025.6
30°	1340.3	1335.0	1298.4	1280.7	1268.1	1256.6	1229.4	1182.4	1114.4	1053.8	999.4
32.5°	1297.4	1307.8	1295.3	1289.0	1282.8	1268.1	1228.4	1164.6	1088.3	1026.6	953.4
35°	1272.3	1284.8	1285.9	1285.9	1278.6	1256.6	1209.6	1138.5	1062.2	981.7	883.4
37.5°	1247.2	1257.7	1263.9	1268.1	1257.7	1226.3	1166.7	1102.9	1019.3	913.7	741.2
40°	1219.0	1226.3	1231.5	1233.6	1217.9	1177.2	1122.8	1050.7	956.6	779.9	661.8
42.5°	1179.3	1183.4	1182.4	1181.3	1164.6	1119.7	1068.4	993.2	807.1	695.2	552.0
45°	1114.4	1110.3	1116.5	1116.5	1094.6	1061.1	993.2	846.8	722.4	580.2	355.4
47.5°	863.5	866.7	897.0	946.1	976.4	967.0	875.0	741.2	607.4	380.5	118.1
50°	803.9	800.8	801.9	807.1	810.2	784.1	718.2	626.2	401.4	124.4	8.4
52.5°	539.4	542.6	566.6	622.0	639.8	621.0	558.3	418.2	146.4	8.4	7.3
55°	170.4	181.9	195.5	224.8	276.0	308.4	302.1	148.5	9.4	6.3	7.3
57.5°	6.3	6.3	8.4	14.6	28.2	46.0	48.1	9.4	7.3	7.3	7.3
60°	5.2	5.2	5.2	5.2	5.2	5.2	6.3	6.3	6.3	6.3	6.3
62.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.3	6.3	6.3	6.3
65°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.3
67.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2	5.2	5.2
70°	3.1	3.1	3.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.2
72.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	4.2
75°	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1
80°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	784.1	771.5	746.4	671.2	592.8	514.4	465.2	452.7
5°	845.8	831.1	795.6	654.4	495.5	359.6	282.3	253.0
7.5°	883.4	865.6	823.8	628.3	385.8	209.1	125.5	100.4
10°	900.1	884.4	837.4	588.6	279.1	99.3	43.9	36.6
12.5°	907.4	894.9	842.6	536.3	181.9	43.9	32.4	31.4
15°	910.6	897.0	840.5	472.5	103.5	31.4	30.3	30.3
17.5°	913.7	898.0	828.0	399.4	57.5	29.3	28.2	29.3
20°	938.8	893.8	806.0	319.9	37.6	27.2	27.2	28.2
22.5°	963.9	892.8	767.4	244.6	29.3	26.1	27.2	27.2
25°	972.3	882.4	718.2	174.6	25.1	25.1	26.1	27.2
27.5°	956.6	852.0	652.4	118.1	22.0	25.1	26.1	27.2
30°	920.0	800.8	572.9	75.3	20.9	24.0	26.1	27.2
32.5°	852.0	699.4	484.0	45.0	19.9	24.0	27.2	27.2
35°	716.1	586.5	383.7	23.0	19.9	24.0	27.2	28.2
37.5°	626.2	489.3	267.6	15.7	19.9	24.0	27.2	28.2
40°	519.6	353.4	111.9	14.6	19.9	24.0	27.2	29.3
42.5°	359.6	153.7	17.8	13.6	18.8	24.0	28.2	29.3
45°	129.6	19.9	8.4	13.6	18.8	24.0	28.2	29.3
47.5°	11.5	7.3	8.4	13.6	18.8	24.0	28.2	30.3
50°	7.3	7.3	7.3	12.5	18.8	24.0	28.2	30.3
52.5°	7.3	7.3	7.3	12.5	17.8	24.0	29.3	30.3
55°	7.3	7.3	7.3	11.5	17.8	24.0	28.2	30.3
57.5°	7.3	7.3	8.4	11.5	17.8	23.0	28.2	29.3
60°	7.3	7.3	7.3	11.5	16.7	22.0	27.2	28.2
62.5°	6.3	7.3	7.3	10.5	15.7	20.9	26.1	27.2
65°	6.3	6.3	7.3	9.4	14.6	19.9	24.0	26.1
67.5°	5.2	6.3	6.3	8.4	12.5	17.8	22.0	24.0
70°	5.2	5.2	5.2	7.3	11.5	15.7	20.9	22.0
72.5°	4.2	5.2	5.2	6.3	9.4	13.6	17.8	19.9
75°	4.2	4.2	4.2	5.2	8.4	12.5	15.7	16.7
77.5°	3.1	3.1	4.2	4.2	7.3	9.4	13.6	14.6
80°	3.1	3.1	3.1	4.2	5.2	8.4	10.5	11.5
82.5°	2.1	2.1	2.1	3.1	4.2	5.2	7.3	8.4
85°	2.1	2.1	2.1	2.1	3.1	4.2	5.2	5.2
87.5°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)