

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: P1306963

Luminaire Tested: P3SQAS13R659027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306963
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: P3SQAS13R659027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

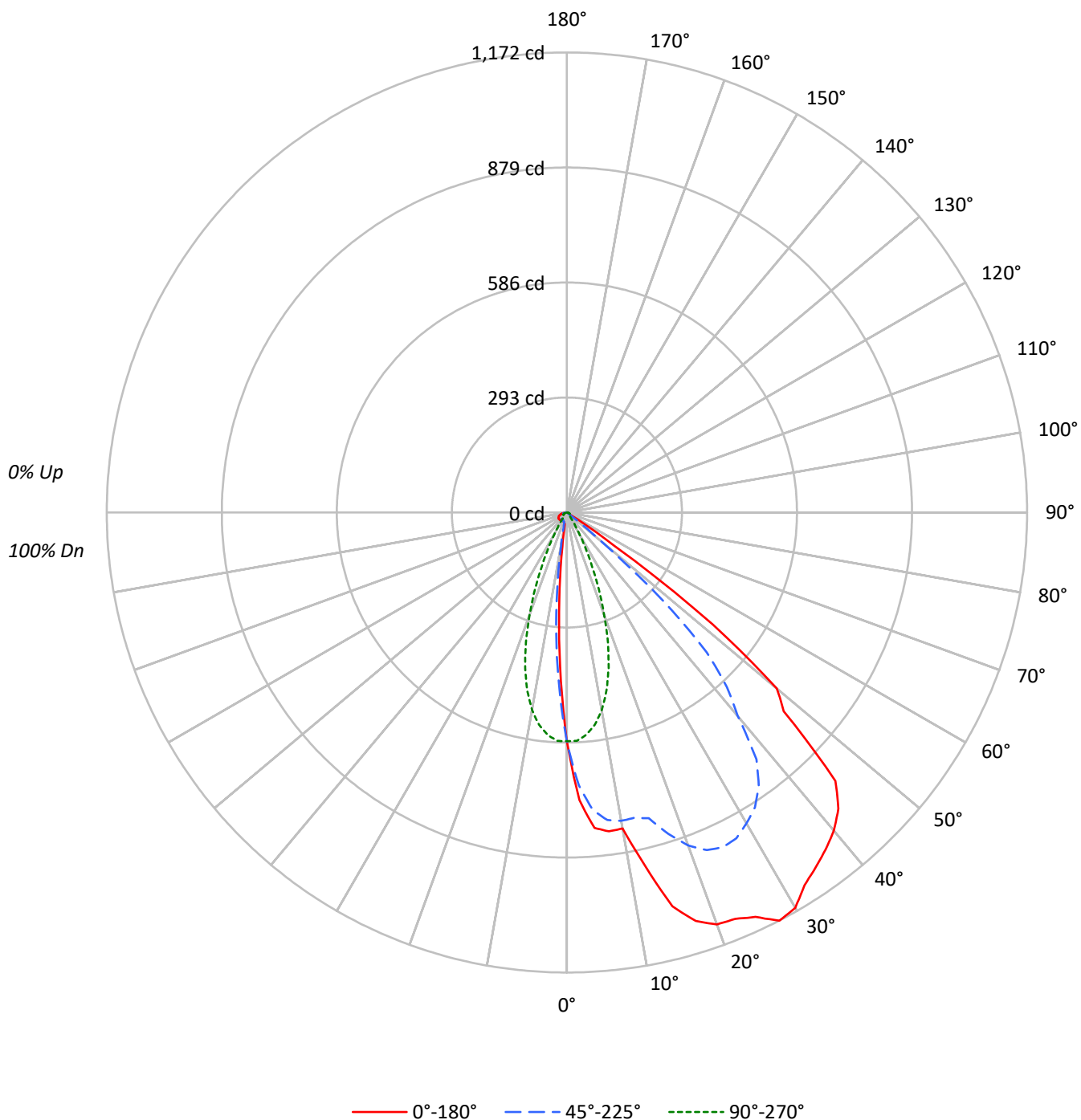
Lumens per Lamp: N/A
Luminaire Lumens: 873.0 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	100302	100302	100302	100302	100302
5°	139428	131597	98179	53956	37947
10°	142946	139466	89328	15075	5561
15°	185216	143797	73120	4850	4689
20°	204682	165443	50877	4325	4490
25°	216022	178777	28789	4143	4485
30°	231301	181863	12986	4156	4693
35°	232132	179108	4205	4394	5151
40°	237815	152159	2855	4699	5710
45°	235546	122632	2874	5090	6186
50°	186935	28937	2920	5600	7047
55°	44409	1621	3003	6275	7897
60°	1550	1860	3444	6579	8439
65°	1834	1834	3342	7009	9251
70°	1360	1813	3223	6848	9618
75°	1198	1797	2994	7253	9649
80°	893	1785	3570	7240	9918
85°	1778	3557	3557	7114	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 235985 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	5.6
10°-20°	128.0	14.7
20°-30°	201.1	23.0
30°-40°	230.0	26.3
40°-50°	184.9	21.2
50°-60°	60.1	6.9
60°-70°	10.7	1.2
70°-80°	7.0	0.8
80°-90°	2.5	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°	377.7	43.3
0°-40°	607.7	69.6
0°-60°	852.8	97.7
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	582	582	582	582	582	
5°	806	761	568	312	220	76
15°	1039	806	410	27	26	289
25°	1137	941	152	22	24	530
35°	1104	852	20	21	24	693
45°	967	504	12	21	25	696
55°	148	5	10	21	26	211
65°	4	4	8	17	23	4
75°	2	3	4	11	14	2
85°	1	2	2	4	4	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°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4
2.5°	733.0	730.3	733.9	727.6	726.7	720.3	716.7	714.9	706.7	695.8	685.9
5°	806.5	795.6	798.4	797.5	792.9	790.2	786.6	782.0	771.1	761.2	748.5
7.5°	819.2	810.2	812.0	812.9	810.2	809.2	808.3	806.5	799.3	790.2	779.3
10°	817.4	808.3	807.4	804.7	802.0	802.9	802.9	802.9	801.1	797.5	793.8
12.5°	922.6	909.9	907.2	888.2	870.9	841.0	821.9	803.8	795.6	796.5	793.8
15°	1038.8	1037.9	1028.8	1010.6	981.6	954.4	910.9	878.2	836.5	806.5	793.8
17.5°	1091.4	1090.5	1082.3	1066.9	1046.0	1020.6	988.9	950.8	904.5	858.2	820.1
20°	1116.8	1123.1	1114.1	1101.4	1081.4	1057.8	1027.9	993.4	949.9	902.7	857.3
22.5°	1120.4	1128.6	1120.4	1111.3	1096.8	1081.4	1056.0	1020.6	976.2	930.8	886.4
25°	1136.8	1139.5	1122.2	1110.4	1096.8	1085.9	1066.0	1035.1	989.8	940.8	897.2
27.5°	1172.1	1160.3	1124.1	1107.7	1095.0	1085.0	1066.0	1034.2	985.2	935.3	890.0
30°	1163.1	1158.5	1126.8	1111.3	1100.5	1090.5	1066.9	1026.1	967.1	914.5	867.3
32.5°	1125.9	1134.9	1124.1	1118.6	1113.2	1100.5	1066.0	1010.6	944.4	890.9	827.4
35°	1104.1	1115.0	1115.9	1115.9	1109.5	1090.5	1049.7	988.0	921.7	851.9	766.6
37.5°	1082.3	1091.4	1096.8	1100.5	1091.4	1064.2	1012.5	957.1	884.5	792.9	643.2
40°	1057.8	1064.2	1068.7	1070.5	1056.9	1021.5	974.4	911.8	830.1	676.8	574.3
42.5°	1023.3	1027.0	1026.1	1025.2	1010.6	971.6	927.2	861.9	700.4	603.3	479.0
45°	967.1	963.5	968.9	968.9	949.9	920.8	861.9	734.9	626.9	503.5	308.5
47.5°	749.4	752.1	778.4	821.0	847.3	839.2	759.3	643.2	527.1	330.2	102.5
50°	697.7	694.9	695.8	700.4	703.1	680.4	623.3	543.4	348.4	108.0	7.3
52.5°	468.1	470.8	491.7	539.8	555.2	538.9	484.5	362.9	127.0	7.3	6.4
55°	147.9	157.9	169.7	195.1	239.5	267.6	262.2	128.8	8.2	5.4	6.4
57.5°	5.4	5.4	7.3	12.7	24.5	39.9	41.7	8.2	6.4	6.4	6.4
60°	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4	5.4
62.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5
70°	2.7	2.7	2.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5
72.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6
75°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
80°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4
2.5°	680.4	669.5	647.8	582.4	514.4	446.4	403.7	392.8
5°	733.9	721.2	690.4	567.9	430.0	312.1	245.0	219.5
7.5°	766.6	751.2	714.9	545.2	334.8	181.4	108.9	87.1
10°	781.1	767.5	726.7	510.8	242.2	86.2	38.1	31.8
12.5°	787.5	776.6	731.2	465.4	157.9	38.1	28.1	27.2
15°	790.2	778.4	729.4	410.1	89.8	27.2	26.3	26.3
17.5°	792.9	779.3	718.5	346.6	49.9	25.4	24.5	25.4
20°	814.7	775.7	699.5	277.6	32.7	23.6	23.6	24.5
22.5°	836.5	774.8	665.9	212.3	25.4	22.7	23.6	23.6
25°	843.7	765.7	623.3	151.5	21.8	21.8	22.7	23.6
27.5°	830.1	739.4	566.1	102.5	19.1	21.8	22.7	23.6
30°	798.4	694.9	497.2	65.3	18.1	20.9	22.7	23.6
32.5°	739.4	606.9	420.0	39.0	17.2	20.9	23.6	23.6
35°	621.4	509.0	333.0	20.0	17.2	20.9	23.6	24.5
37.5°	543.4	424.6	232.2	13.6	17.2	20.9	23.6	24.5
40°	450.9	306.6	97.1	12.7	17.2	20.9	23.6	25.4
42.5°	312.1	133.4	15.4	11.8	16.3	20.9	24.5	25.4
45°	112.5	17.2	7.3	11.8	16.3	20.9	24.5	25.4
47.5°	10.0	6.4	7.3	11.8	16.3	20.9	24.5	26.3
50°	6.4	6.4	6.4	10.9	16.3	20.9	24.5	26.3
52.5°	6.4	6.4	6.4	10.9	15.4	20.9	25.4	26.3
55°	6.4	6.4	6.4	10.0	15.4	20.9	24.5	26.3
57.5°	6.4	6.4	7.3	10.0	15.4	20.0	24.5	25.4
60°	6.4	6.4	6.4	10.0	14.5	19.1	23.6	24.5
62.5°	5.4	6.4	6.4	9.1	13.6	18.1	22.7	23.6
65°	5.4	5.4	6.4	8.2	12.7	17.2	20.9	22.7
67.5°	4.5	5.4	5.4	7.3	10.9	15.4	19.1	20.9
70°	4.5	4.5	4.5	6.4	10.0	13.6	18.1	19.1
72.5°	3.6	4.5	4.5	5.4	8.2	11.8	15.4	17.2
75°	3.6	3.6	3.6	4.5	7.3	10.9	13.6	14.5
77.5°	2.7	2.7	3.6	3.6	6.4	8.2	11.8	12.7
80°	2.7	2.7	2.7	3.6	4.5	7.3	9.1	10.0
82.5°	1.8	1.8	1.8	2.7	3.6	4.5	6.4	7.3
85°	1.8	1.8	1.8	1.8	2.7	3.6	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)