

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: P1305991

Luminaire Tested: P3SQASS13R659024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305991
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: P3SQASS13R659024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

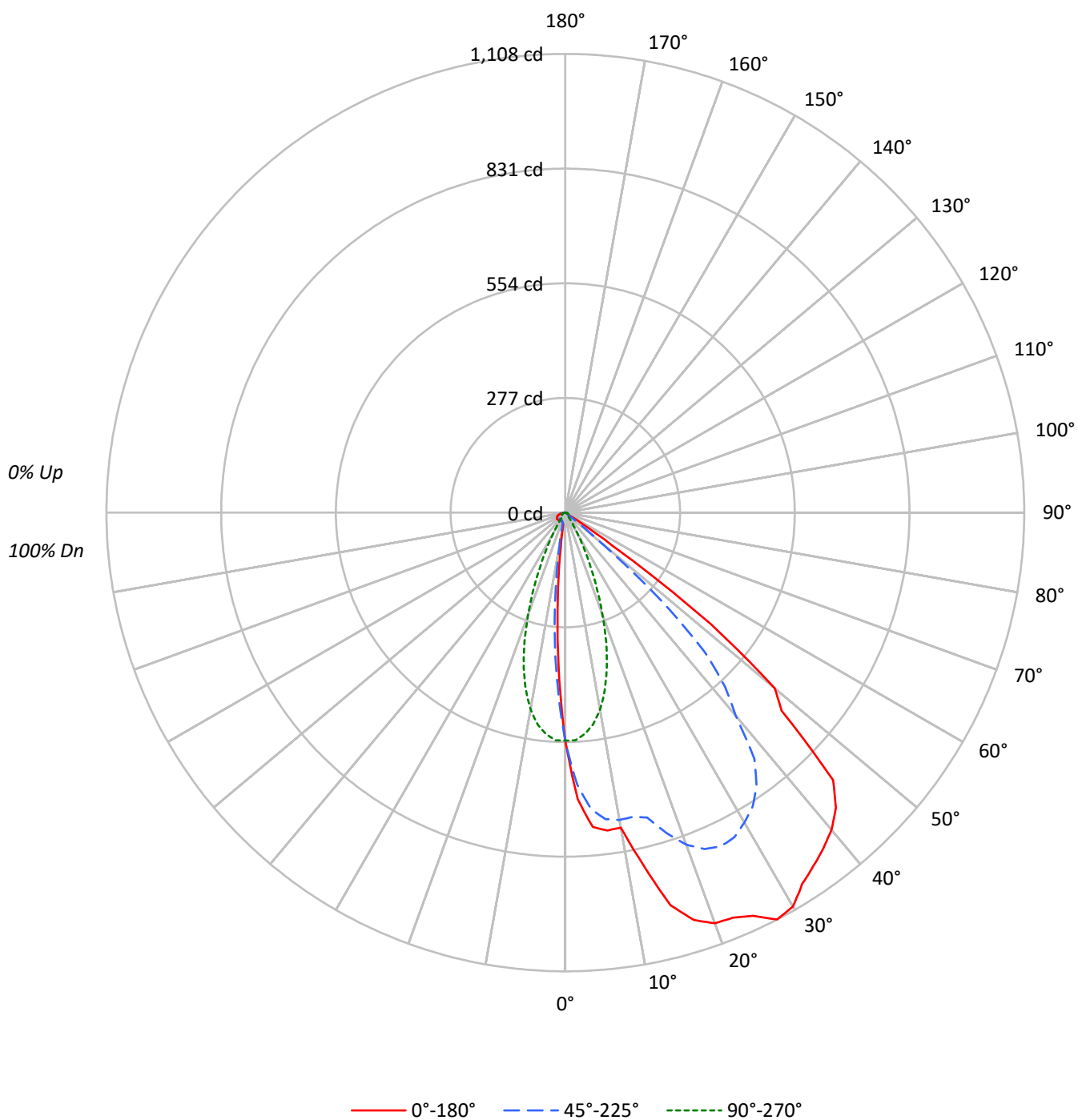
Lumens per Lamp: N/A
Luminaire Lumens: 825.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87		91	87	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	94791	94791	94791	94791	94791
5°	131770	124353	92785	50982	35873
10°	135094	131789	84414	14235	5246
15°	175035	135899	69090	4582	4440
20°	193429	156352	48073	4087	4234
25°	204146	168953	27212	3915	4238
30°	218573	171860	12270	3918	4435
35°	219370	169247	3974	4142	4857
40°	224753	143795	2698	4429	5396
45°	222589	115886	2704	4798	5845
50°	176647	27329	2760	5278	6671
55°	41946	1531	2822	5915	7476
60°	1481	1757	3238	6200	7957
65°	1752	1752	3138	6642	8721
70°	1309	1712	3021	6496	9064
75°	1131	1730	2861	6854	9116
80°	893	1686	3372	6843	9323
85°	1778	3359	3359	6719	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 223003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	5.6
10°-20°	121.0	14.7
20°-30°	190.0	23.0
30°-40°	217.4	26.3
40°-50°	174.7	21.2
50°-60°	56.8	6.9
60°-70°	10.1	1.2
70°-80°	6.7	0.8
80°-90°	2.4	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°	356.9	43.3
0°-40°	574.3	69.6
0°-60°	805.8	97.7
0°-90°	825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	550	550	550	550	550	
5°	762	719	537	295	208	72
15°	982	762	388	26	25	274
25°	1074	889	143	21	22	501
35°	1043	805	19	20	23	655
45°	914	476	11	20	24	658
55°	140	5	9	20	25	200
65°	4	4	8	16	21	4
75°	2	3	4	10	14	2
85°	1	2	2	3	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°	550.4	550.4	550.4	550.4	550.4	550.4	550.4	550.4	550.4	550.4	550.4
2.5°	692.7	690.2	693.6	687.6	686.7	680.7	677.3	675.6	667.9	657.6	648.2
5°	762.2	751.9	754.5	753.6	749.3	746.7	743.3	739.0	728.7	719.3	707.3
7.5°	774.2	765.6	767.3	768.2	765.6	764.7	763.9	762.2	755.3	746.7	736.5
10°	772.5	763.9	763.0	760.5	757.9	758.7	758.7	758.7	757.0	753.6	750.2
12.5°	871.9	859.9	857.3	839.3	823.0	794.8	776.8	759.6	751.9	752.7	750.2
15°	981.7	980.8	972.2	955.1	927.6	901.9	860.8	829.9	790.5	762.2	750.2
17.5°	1031.4	1030.5	1022.8	1008.2	988.5	964.5	934.5	898.5	854.8	811.0	775.0
20°	1055.4	1061.4	1052.8	1040.8	1022.0	999.7	971.4	938.8	897.6	853.1	810.2
22.5°	1058.8	1066.5	1058.8	1050.2	1036.5	1022.0	997.9	964.5	922.5	879.6	837.6
25°	1074.3	1076.8	1060.5	1049.4	1036.5	1026.2	1007.4	978.2	935.4	889.1	847.9
27.5°	1107.7	1096.5	1062.2	1046.8	1034.8	1025.4	1007.4	977.4	931.1	883.9	841.1
30°	1099.1	1094.8	1064.8	1050.2	1040.0	1030.5	1008.2	969.7	913.9	864.2	819.6
32.5°	1064.0	1072.5	1062.2	1057.1	1052.0	1040.0	1007.4	955.1	892.5	841.9	781.9
35°	1043.4	1053.7	1054.5	1054.5	1048.5	1030.5	991.9	933.6	871.1	805.0	724.5
37.5°	1022.8	1031.4	1036.5	1040.0	1031.4	1005.7	956.8	904.5	835.9	749.3	607.9
40°	999.7	1005.7	1009.9	1011.7	998.8	965.4	920.8	861.6	784.5	639.6	542.7
42.5°	967.1	970.5	969.7	968.8	955.1	918.2	876.2	814.5	661.9	570.1	452.7
45°	913.9	910.5	915.6	915.6	897.6	870.2	814.5	694.4	592.4	475.8	291.5
47.5°	708.2	710.7	735.6	775.9	800.8	793.0	717.6	607.9	498.1	312.1	96.9
50°	659.3	656.7	657.6	661.9	664.4	643.0	589.0	513.5	329.2	102.0	6.9
52.5°	442.4	445.0	464.7	510.1	524.7	509.3	457.8	342.9	120.0	6.9	6.0
55°	139.7	149.2	160.3	184.3	226.3	252.9	247.8	121.7	7.7	5.1	6.0
57.5°	5.1	5.1	6.9	12.0	23.1	37.7	39.4	7.7	6.0	6.0	6.0
60°	4.3	4.3	4.3	4.3	4.3	4.3	5.1	5.1	5.1	5.1	5.1
62.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.1	5.1	5.1	5.1
65°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.1
67.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.3	4.3	4.3	4.3
70°	2.6	2.6	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.3
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4
75°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
80°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
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°	550.4	550.4	550.4	550.4	550.4	550.4	550.4	550.4
2.5°	643.0	632.7	612.1	550.4	486.1	421.8	381.5	371.2
5°	693.6	681.6	652.4	536.7	406.4	294.9	231.5	207.5
7.5°	724.5	709.9	675.6	515.3	316.4	171.5	102.9	82.3
10°	738.2	725.3	686.7	482.7	228.9	81.4	36.0	30.0
12.5°	744.2	733.9	691.0	439.8	149.2	36.0	26.6	25.7
15°	746.7	735.6	689.3	387.5	84.9	25.7	24.9	24.9
17.5°	749.3	736.5	679.0	327.5	47.2	24.0	23.1	24.0
20°	769.9	733.0	661.0	262.3	30.9	22.3	22.3	23.1
22.5°	790.5	732.2	629.3	200.6	24.0	21.4	22.3	22.3
25°	797.3	723.6	589.0	143.2	20.6	20.6	21.4	22.3
27.5°	784.5	698.7	535.0	96.9	18.0	20.6	21.4	22.3
30°	754.5	656.7	469.8	61.7	17.1	19.7	21.4	22.3
32.5°	698.7	573.6	396.9	36.9	16.3	19.7	22.3	22.3
35°	587.3	481.0	314.6	18.9	16.3	19.7	22.3	23.1
37.5°	513.5	401.2	219.5	12.9	16.3	19.7	22.3	23.1
40°	426.1	289.8	91.7	12.0	16.3	19.7	22.3	24.0
42.5°	294.9	126.0	14.6	11.1	15.4	19.7	23.1	24.0
45°	106.3	16.3	6.9	11.1	15.4	19.7	23.1	24.0
47.5°	9.4	6.0	6.9	11.1	15.4	19.7	23.1	24.9
50°	6.0	6.0	6.0	10.3	15.4	19.7	23.1	24.9
52.5°	6.0	6.0	6.0	10.3	14.6	19.7	24.0	24.9
55°	6.0	6.0	6.0	9.4	14.6	19.7	23.1	24.9
57.5°	6.0	6.0	6.9	9.4	14.6	18.9	23.1	24.0
60°	6.0	6.0	6.0	9.4	13.7	18.0	22.3	23.1
62.5°	5.1	6.0	6.0	8.6	12.9	17.1	21.4	22.3
65°	5.1	5.1	6.0	7.7	12.0	16.3	19.7	21.4
67.5°	4.3	5.1	5.1	6.9	10.3	14.6	18.0	19.7
70°	4.3	4.3	4.3	6.0	9.4	12.9	17.1	18.0
72.5°	3.4	4.3	4.3	5.1	7.7	11.1	14.6	16.3
75°	3.4	3.4	3.4	4.3	6.9	10.3	12.9	13.7
77.5°	2.6	2.6	3.4	3.4	6.0	7.7	11.1	12.0
80°	2.6	2.6	2.6	3.4	4.3	6.9	8.6	9.4
82.5°	1.7	1.7	1.7	2.6	3.4	4.3	6.0	6.9
85°	1.7	1.7	1.7	1.7	2.6	3.4	4.3	4.3
87.5°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)