

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: P1309199

Luminaire Tested: P3SQAS13R659035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309199
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: P3SQAS13R659035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

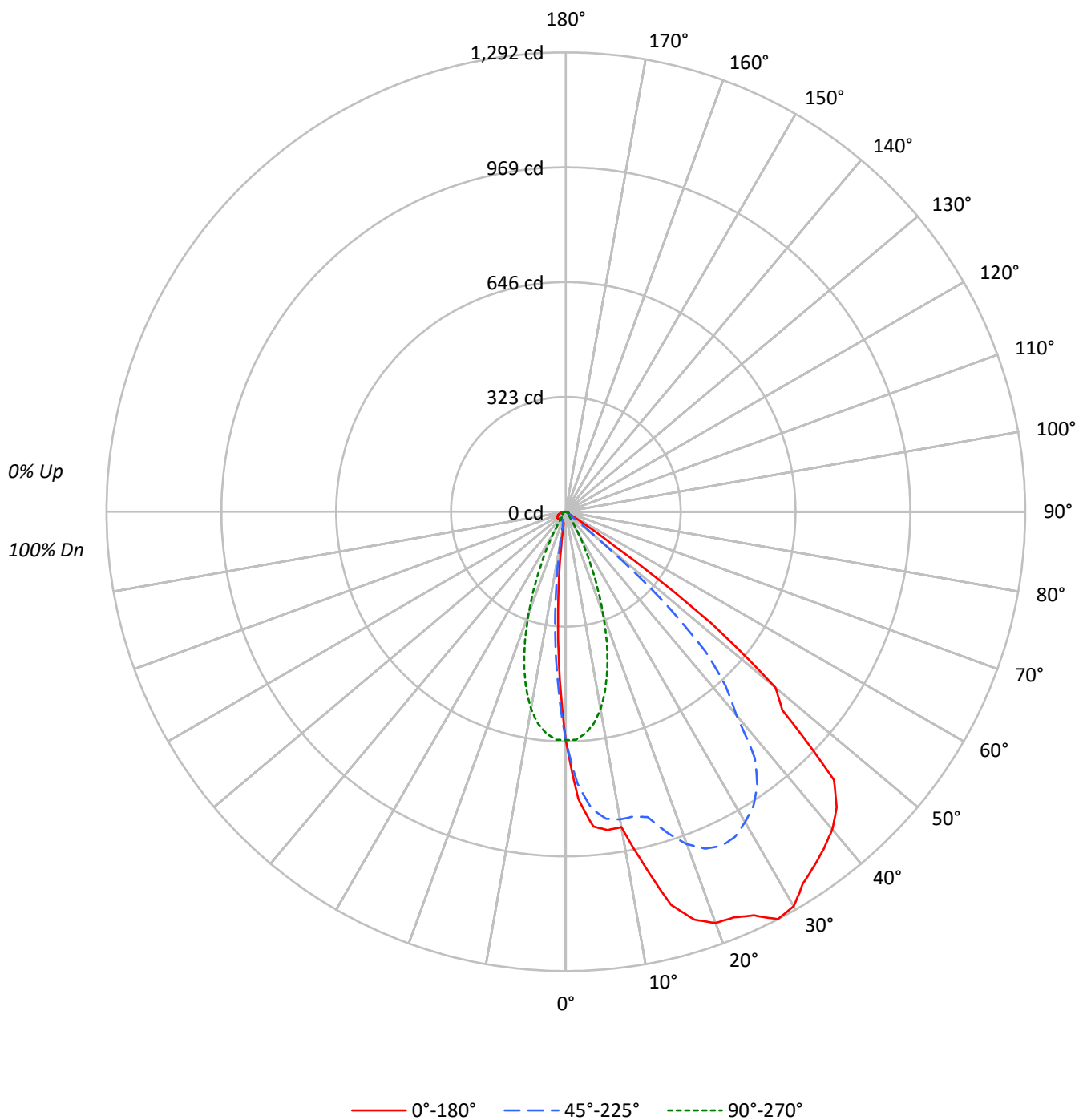
Lumens per Lamp: N/A
Luminaire Lumens: 962.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309199

CATALOG NUMBER: P3SQAS13R659035DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309199

CATALOG NUMBER: P3SQAS13R659035DE010 E3SQCA301MW

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°	110532	110532	110532	110532	110532
5°	153639	145012	108189	59454	41820
10°	157514	153667	98422	16614	6121
15°	204098	158453	80573	5349	5171
20°	225539	182304	56064	4765	4948
25°	238027	197001	31734	4561	4941
30°	254866	200397	14318	4574	5171
35°	255805	197357	4625	4836	5677
40°	262073	167671	3147	5171	6295
45°	259561	135127	3166	5602	6820
50°	205985	31884	3215	6162	7770
55°	48943	1802	3303	6906	8708
60°	1722	2067	3789	7233	9300
65°	2038	2038	3668	7743	10188
70°	1511	2014	3525	7553	10574
75°	1331	1996	3327	7985	10647
80°	992	1984	3967	7934	10910
85°	1976	3952	3952	7904	9880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 260049 cd/sqm

TEST NUMBER: P1309199

CATALOG NUMBER: P3SQAS13R659035DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	5.6
10°-20°	141.0	14.7
20°-30°	221.6	23.0
30°-40°	253.5	26.3
40°-50°	203.7	21.2
50°-60°	66.3	6.9
60°-70°	11.8	1.2
70°-80°	7.8	0.8
80°-90°	2.8	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°	416.2	43.3
0°-40°	669.7	69.6
0°-60°	939.7	97.7
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	642	642	642	642	642	
5°	889	839	626	344	242	84
15°	1145	889	452	30	29	319
25°	1253	1037	167	24	26	584
35°	1217	939	22	23	27	764
45°	1066	555	13	23	28	767
55°	163	6	11	23	29	233
65°	5	5	9	19	25	4
75°	2	3	5	12	16	2
85°	1	2	2	4	5	1
90°	0	0	0	0	0	

TEST NUMBER: P1309199

CATALOG NUMBER: P3SQAS13R659035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	807.8	804.8	808.8	801.8	800.8	793.8	789.8	787.8	778.8	766.8	755.8
5°	888.7	876.7	879.7	878.7	873.7	870.8	866.8	861.8	849.8	838.8	824.8
7.5°	902.7	892.7	894.7	895.7	892.7	891.7	890.7	888.7	880.7	870.8	858.8
10°	900.7	890.7	889.7	886.7	883.7	884.7	884.7	884.7	882.7	878.7	874.7
12.5°	1016.7	1002.7	999.7	978.7	959.7	926.7	905.7	885.7	876.7	877.7	874.7
15°	1144.7	1143.7	1133.7	1113.7	1081.7	1051.7	1003.7	967.7	921.7	888.7	874.7
17.5°	1202.7	1201.7	1192.7	1175.7	1152.7	1124.7	1089.7	1047.7	996.7	945.7	903.7
20°	1230.6	1237.6	1227.6	1213.7	1191.7	1165.7	1132.7	1094.7	1046.7	994.7	944.7
22.5°	1234.6	1243.6	1234.6	1224.6	1208.7	1191.7	1163.7	1124.7	1075.7	1025.7	976.7
25°	1252.6	1255.6	1236.6	1223.6	1208.7	1196.7	1174.7	1140.7	1090.7	1036.7	988.7
27.5°	1291.6	1278.6	1238.6	1220.7	1206.7	1195.7	1174.7	1139.7	1085.7	1030.7	980.7
30°	1281.6	1276.6	1241.6	1224.6	1212.7	1201.7	1175.7	1130.7	1065.7	1007.7	955.7
32.5°	1240.6	1250.6	1238.6	1232.6	1226.6	1212.7	1174.7	1113.7	1040.7	981.7	911.7
35°	1216.7	1228.6	1229.6	1229.6	1222.6	1201.7	1156.7	1088.7	1015.7	938.7	844.8
37.5°	1192.7	1202.7	1208.7	1212.7	1202.7	1172.7	1115.7	1054.7	974.7	873.7	708.8
40°	1165.7	1172.7	1177.7	1179.7	1164.7	1125.7	1073.7	1004.7	914.7	745.8	632.8
42.5°	1127.7	1131.7	1130.7	1129.7	1113.7	1070.7	1021.7	949.7	771.8	664.8	527.8
45°	1065.7	1061.7	1067.7	1067.7	1046.7	1014.7	949.7	809.8	690.8	554.8	339.9
47.5°	825.8	828.8	857.8	904.7	933.7	924.7	836.8	708.8	580.8	363.9	113.0
50°	768.8	765.8	766.8	771.8	774.8	749.8	686.8	598.8	383.9	119.0	8.0
52.5°	515.9	518.9	541.8	594.8	611.8	593.8	533.8	399.9	140.0	8.0	7.0
55°	163.0	174.0	186.9	214.9	263.9	294.9	288.9	142.0	9.0	6.0	7.0
57.5°	6.0	6.0	8.0	14.0	27.0	44.0	46.0	9.0	7.0	7.0	7.0
60°	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0
62.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0
65°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0
67.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0
70°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
75°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
80°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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

TEST NUMBER: P1309199

CATALOG NUMBER: P3SQAS13R659035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	749.8	737.8	713.8	641.8	566.8	491.9	444.9	432.9
5°	808.8	794.8	760.8	625.8	473.9	343.9	269.9	241.9
7.5°	844.8	827.8	787.8	600.8	368.9	199.9	120.0	96.0
10°	860.8	845.8	800.8	562.8	266.9	95.0	42.0	35.0
12.5°	867.8	855.8	805.8	512.9	174.0	42.0	31.0	30.0
15°	870.8	857.8	803.8	451.9	99.0	30.0	29.0	29.0
17.5°	873.7	858.8	791.8	381.9	55.0	28.0	27.0	28.0
20°	897.7	854.8	770.8	305.9	36.0	26.0	26.0	27.0
22.5°	921.7	853.8	733.8	233.9	28.0	25.0	26.0	26.0
25°	929.7	843.8	686.8	167.0	24.0	24.0	25.0	26.0
27.5°	914.7	814.8	623.8	113.0	21.0	24.0	25.0	26.0
30°	879.7	765.8	547.8	72.0	20.0	23.0	25.0	26.0
32.5°	814.8	668.8	462.9	43.0	19.0	23.0	26.0	26.0
35°	684.8	560.8	366.9	22.0	19.0	23.0	26.0	27.0
37.5°	598.8	467.9	255.9	15.0	19.0	23.0	26.0	27.0
40°	496.9	337.9	107.0	14.0	19.0	23.0	26.0	28.0
42.5°	343.9	147.0	17.0	13.0	18.0	23.0	27.0	28.0
45°	124.0	19.0	8.0	13.0	18.0	23.0	27.0	28.0
47.5°	11.0	7.0	8.0	13.0	18.0	23.0	27.0	29.0
50°	7.0	7.0	7.0	12.0	18.0	23.0	27.0	29.0
52.5°	7.0	7.0	7.0	12.0	17.0	23.0	28.0	29.0
55°	7.0	7.0	7.0	11.0	17.0	23.0	27.0	29.0
57.5°	7.0	7.0	8.0	11.0	17.0	22.0	27.0	28.0
60°	7.0	7.0	7.0	11.0	16.0	21.0	26.0	27.0
62.5°	6.0	7.0	7.0	10.0	15.0	20.0	25.0	26.0
65°	6.0	6.0	7.0	9.0	14.0	19.0	23.0	25.0
67.5°	5.0	6.0	6.0	8.0	12.0	17.0	21.0	23.0
70°	5.0	5.0	5.0	7.0	11.0	15.0	20.0	21.0
72.5°	4.0	5.0	5.0	6.0	9.0	13.0	17.0	19.0
75°	4.0	4.0	4.0	5.0	8.0	12.0	15.0	16.0
77.5°	3.0	3.0	4.0	4.0	7.0	9.0	13.0	14.0
80°	3.0	3.0	3.0	4.0	5.0	8.0	10.0	11.0
82.5°	2.0	2.0	2.0	3.0	4.0	5.0	7.0	8.0
85°	2.0	2.0	2.0	2.0	3.0	4.0	5.0	5.0
87.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)