

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: P1306071

Luminaire Tested: P3SQASS17R309024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R309024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

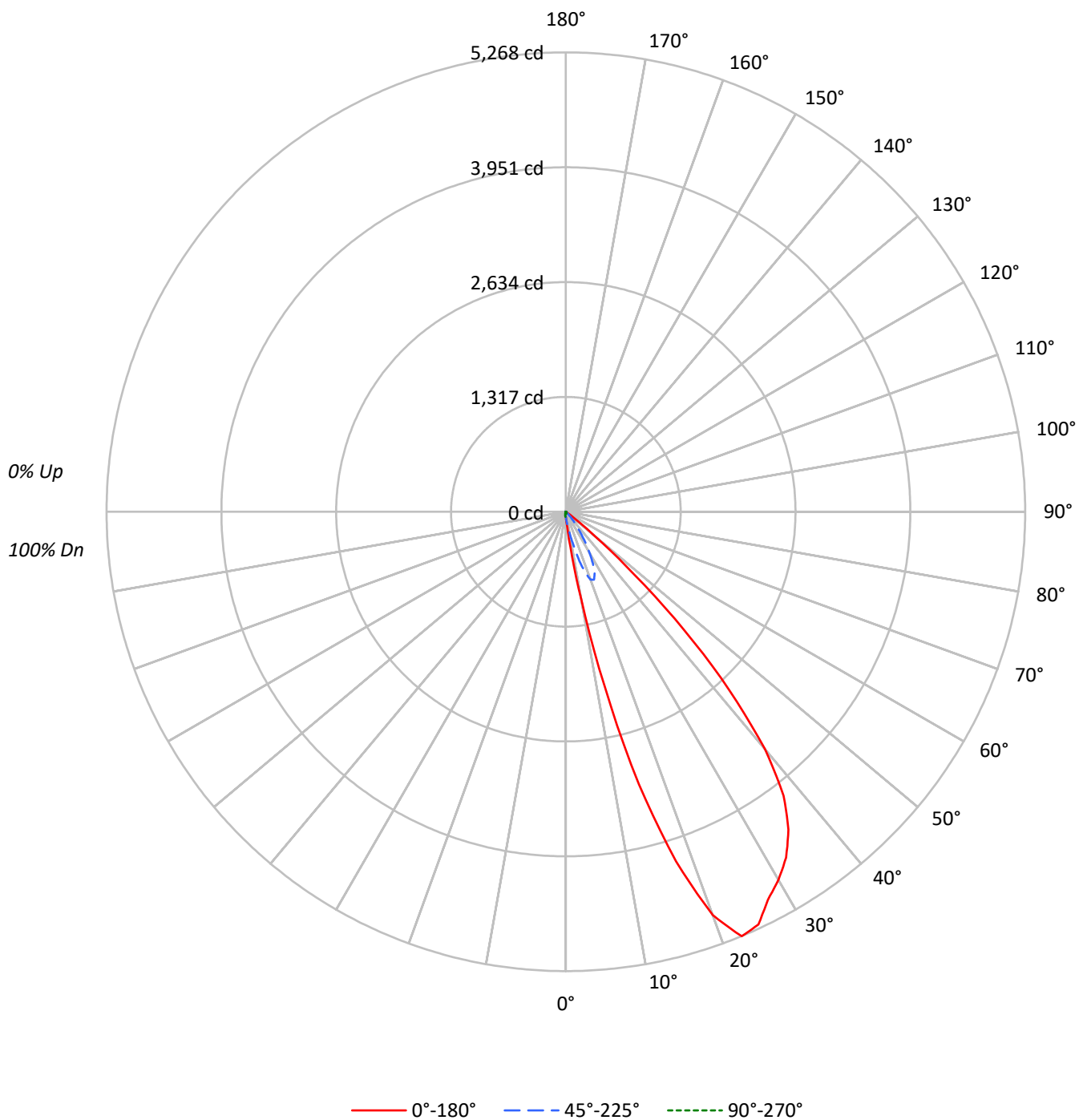
Lumens per Lamp: N/A
Luminaire Lumens: 1242.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1306071

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQCA301MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10161	10161	10161	10161	10161
5°	30600	20400	9612	4322	3527
10°	177240	43265	7537	1976	1382
15°	576491	98135	5260	410	196
20°	902100	151844	3336	0	0
25°	992471	148373	1729	0	0
30°	969350	106970	676	0	0
35°	935590	60845	231	0	0
40°	797844	25764	0	0	0
45°	468243	9669	268	0	268
50°	113737	1822	295	295	911
55°	9879	0	691	1021	1351
60°	379	0	792	1171	1963
65°	448	448	1386	1386	2323
70°	554	554	1712	1712	2266
75°	0	732	2262	2262	2262
80°	0	1091	3372	2281	2281
85°	0	2174	6719	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 468243 cd/sqm

TEST NUMBER: P1306071

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.9
10°-20°	170.7	13.7
20°-30°	433.8	34.9
30°-40°	432.4	34.8
40°-50°	175.2	14.1
50°-60°	12.1	1.0
60°-70°	2.7	0.2
70°-80°	2.7	0.2
80°-90°	1.6	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°	615.3	49.5
0°-40°	1047.7	84.4
0°-60°	1234.9	99.4
0°-90°	1242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1242.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	59	59	59	59	59	
5°	177	118	56	25	20	41
15°	3233	550	30	2	1	941
25°	5223	781	9	0	0	2358
35°	4450	289	1	0	0	2728
45°	1922	40	1	0	1	1467
55°	33	0	2	3	4	86
65°	1	1	3	3	6	1
75°	0	1	3	3	3	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1306071

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	97.6	98.7	98.7	96.5	95.3	95.3	91.9	90.8	87.4	84.0	72.6
5°	177.0	173.6	169.1	169.1	158.9	153.2	145.3	136.2	129.4	118.0	84.0
7.5°	401.8	374.5	366.6	356.4	317.8	287.1	251.9	221.3	192.9	169.1	93.1
10°	1013.5	960.1	915.9	826.2	713.9	606.0	506.2	390.4	311.0	247.4	99.9
12.5°	2041.7	1970.2	1885.1	1721.6	1511.7	1242.7	1004.4	750.2	526.6	364.3	102.1
15°	3233.3	3111.9	2979.1	2771.4	2427.6	2041.7	1611.6	1206.4	845.5	550.4	99.9
17.5°	4204.8	4157.2	3960.8	3677.1	3256.0	2759.0	2229.0	1675.1	1140.6	720.7	93.1
20°	4922.1	4889.2	4652.0	4350.1	3875.7	3306.0	2633.0	1967.9	1346.0	828.5	82.8
22.5°	5268.2	5262.5	5091.2	4782.5	4279.7	3634.0	2892.9	2137.0	1409.6	843.2	69.2
25°	5222.8	5243.3	5145.7	4916.4	4434.1	3769.0	2970.0	2137.0	1363.0	780.8	57.9
27.5°	5016.3	5029.9	4968.6	4792.7	4343.3	3671.4	2862.2	1999.7	1228.0	670.7	47.7
30°	4874.4	4880.1	4804.0	4615.7	4139.0	3449.0	2608.0	1745.5	1023.7	537.9	35.2
32.5°	4701.9	4700.8	4612.2	4396.6	3871.2	3136.9	2285.7	1442.5	786.5	408.6	20.4
35°	4450.0	4421.6	4301.3	4052.7	3471.7	2717.0	1873.7	1098.6	566.3	289.4	12.5
37.5°	4103.8	4030.0	3859.8	3527.3	2911.0	2130.2	1389.1	771.7	387.0	191.8	7.9
40°	3548.8	3470.5	3239.0	2835.0	2201.7	1533.3	936.3	502.8	244.0	114.6	4.5
42.5°	2782.8	2729.4	2417.3	2014.5	1453.8	978.3	562.9	297.3	137.3	65.8	1.1
45°	1922.5	1853.3	1608.2	1266.6	872.7	542.5	315.5	155.5	78.3	39.7	0.0
47.5°	1061.1	976.0	834.2	656.0	439.2	284.9	158.9	84.0	44.3	19.3	0.0
50°	424.5	421.0	334.8	238.3	168.0	129.4	79.4	45.4	22.7	6.8	1.1
52.5°	148.7	148.7	128.2	104.4	81.7	59.0	39.7	21.6	7.9	2.3	1.1
55°	32.9	36.3	34.0	31.8	30.6	26.1	17.0	7.9	2.3	0.0	1.1
57.5°	3.4	3.4	3.4	4.5	5.7	5.7	4.5	2.3	0.0	0.0	1.1
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.3
62.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	2.3
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
75°	0.0	0.0	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	3.4
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3
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: P1306071

CATALOG NUMBER: P3SQASS17R309024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	59.0	59.0	59.0	59.0	59.0
2.5°	59.0	46.5	38.6	34.0	32.9
5°	55.6	35.2	25.0	21.6	20.4
7.5°	49.9	26.1	17.0	13.6	12.5
10°	43.1	19.3	11.3	7.9	7.9
12.5°	36.3	14.8	6.8	3.4	2.3
15°	29.5	9.1	2.3	1.1	1.1
17.5°	22.7	5.7	0.0	0.0	0.0
20°	18.2	2.3	0.0	0.0	0.0
22.5°	13.6	1.1	0.0	0.0	0.0
25°	9.1	0.0	0.0	0.0	0.0
27.5°	5.7	0.0	0.0	0.0	0.0
30°	3.4	0.0	0.0	0.0	0.0
32.5°	1.1	0.0	0.0	0.0	0.0
35°	1.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.1	0.0	0.0	1.1	1.1
47.5°	1.1	1.1	1.1	2.3	2.3
50°	1.1	1.1	1.1	2.3	3.4
52.5°	2.3	1.1	2.3	3.4	3.4
55°	2.3	2.3	3.4	4.5	4.5
57.5°	2.3	2.3	3.4	4.5	4.5
60°	2.3	2.3	3.4	4.5	5.7
62.5°	3.4	3.4	3.4	4.5	4.5
65°	3.4	3.4	3.4	4.5	5.7
67.5°	3.4	3.4	3.4	4.5	5.7
70°	3.4	3.4	3.4	4.5	4.5
72.5°	4.5	3.4	3.4	4.5	4.5
75°	3.4	3.4	3.4	3.4	3.4
77.5°	3.4	3.4	2.3	3.4	3.4
80°	3.4	2.3	2.3	2.3	2.3
82.5°	3.4	2.3	2.3	2.3	2.3
85°	3.4	2.3	1.1	1.1	1.1
87.5°	3.4	2.3	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)