

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: P1309313

Luminaire Tested: P3SQAS17R409035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

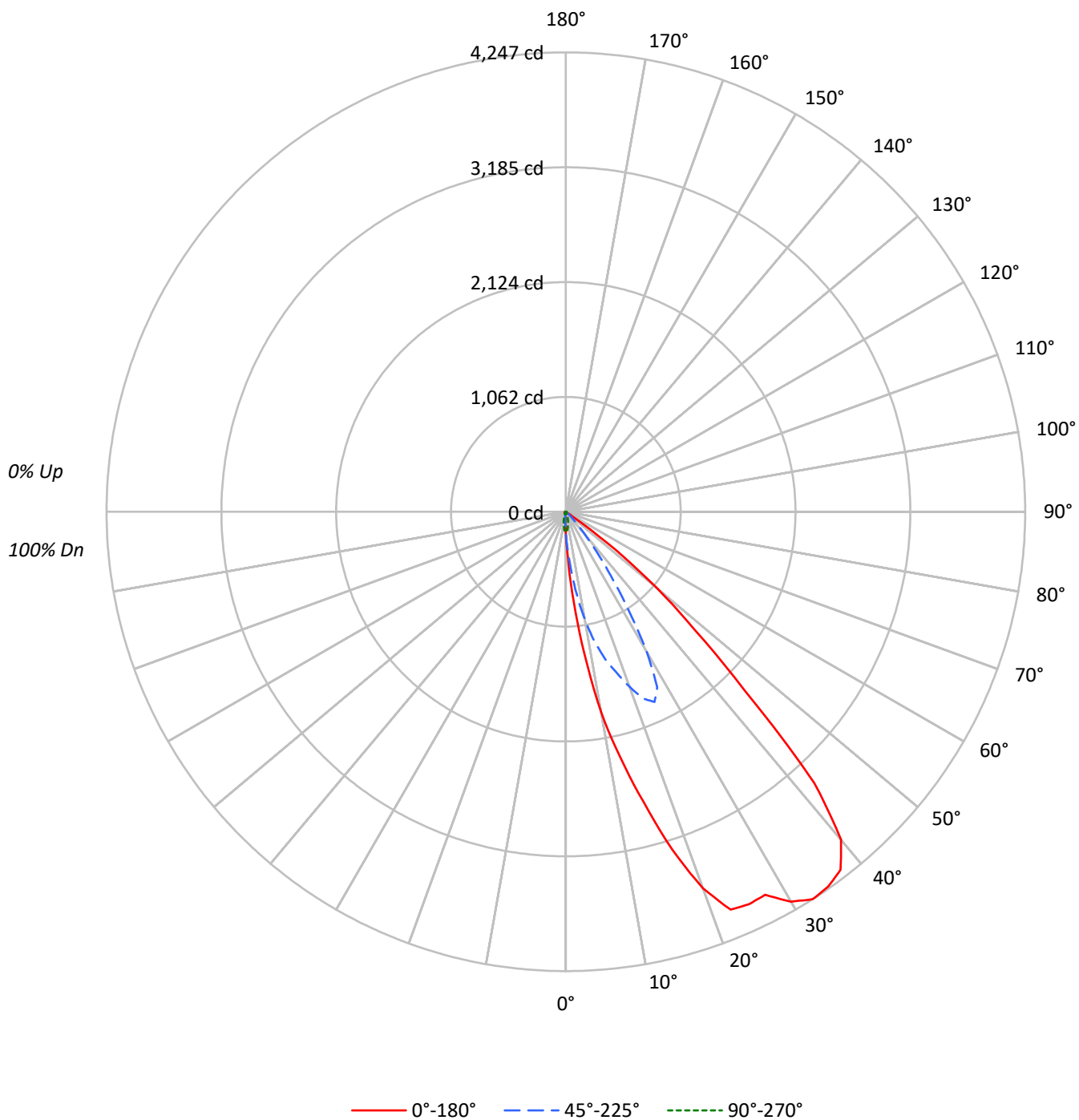
Lumens per Lamp: N/A
Luminaire Lumens: 1566.9 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31930	31930	31930	31930	31930
5°	144009	91817	28629	10995	8022
10°	330277	177415	20146	3935	3008
15°	495651	251721	12517	2122	1890
20°	678669	315545	7276	1210	1448
25°	760810	368690	3782	1007	1254
30°	827539	297622	1571	795	1313
35°	889357	152301	547	1114	1661
40°	889683	60747	292	1192	2091
45°	568054	20313	633	1924	2898
50°	294885	2492	1072	2492	3537
55°	25462	390	1201	3183	4384
60°	896	448	1378	3651	5029
65°	1060	530	2160	3790	5379
70°	655	655	2669	3978	5338
75°	865	865	2662	4392	6188
80°	1289	1289	3967	3967	5256
85°	0	2569	7904	5138	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 568054 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	2.3
10°-20°	212.1	13.5
20°-30°	464.5	29.6
30°-40°	529.2	33.8
40°-50°	279.2	17.8
50°-60°	32.9	2.1
60°-70°	5.9	0.4
70°-80°	4.9	0.3
80°-90°	2.2	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°	712.7	45.5
0°-40°	1241.9	79.3
0°-60°	1554.0	99.2
0°-90°	1566.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	833	531	166	64	46	112
15°	2780	1412	70	12	11	819
25°	4004	1940	20	5	7	1845
35°	4230	724	3	5	8	2622
45°	2332	83	3	8	12	1880
55°	85	1	4	11	15	263
65°	3	1	5	9	13	2
75°	1	1	4	7	9	1
85°	0	1	4	3	3	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	413.2	413.2	411.9	400.0	398.6	397.3	376.1	370.8	345.7	328.5	250.3
5°	833.0	814.5	813.2	792.0	756.2	708.6	678.1	629.1	581.4	531.1	308.6
7.5°	1327.0	1342.9	1299.2	1276.7	1197.3	1140.3	1052.9	976.1	868.8	768.2	356.3
10°	1888.6	1860.8	1817.1	1773.4	1687.3	1585.3	1455.5	1319.1	1164.1	1014.5	382.8
12.5°	2327.0	2291.2	2264.7	2205.1	2120.4	1989.2	1834.3	1651.5	1446.2	1230.4	381.4
15°	2779.9	2744.2	2684.6	2631.6	2505.8	2358.8	2190.6	1949.5	1697.9	1411.8	353.6
17.5°	3277.9	3231.5	3165.3	3084.5	2962.7	2799.8	2586.6	2292.5	1936.3	1560.1	303.3
20°	3703.0	3675.2	3609.0	3513.6	3394.4	3235.5	2989.2	2663.4	2229.0	1721.7	241.0
22.5°	3981.1	3956.0	3911.0	3827.5	3737.5	3567.9	3342.8	2985.2	2474.0	1868.7	182.8
25°	4003.7	3993.1	3981.1	3953.3	3899.0	3778.5	3558.7	3173.3	2626.3	1940.2	135.1
27.5°	3991.7	3987.8	3985.1	3970.6	3934.8	3815.6	3590.4	3201.1	2606.4	1829.0	99.3
30°	4161.3	4149.3	4142.7	4095.0	4001.0	3816.9	3522.9	3051.4	2316.4	1496.6	71.5
32.5°	4247.4	4244.7	4238.1	4191.7	4059.3	3819.6	3409.0	2689.9	1836.9	1080.7	49.0
35°	4230.1	4216.9	4193.1	4107.0	3922.9	3622.2	3040.8	2148.2	1325.7	724.4	31.8
37.5°	4171.9	4141.4	4095.0	3940.1	3695.1	3284.5	2466.0	1581.3	901.9	468.8	18.5
40°	3957.3	3916.3	3843.4	3654.0	3332.2	2707.1	1823.7	1068.8	592.0	270.2	5.3
42.5°	3402.4	3349.4	3296.4	3084.5	2716.3	2018.4	1199.9	660.9	337.7	148.3	1.3
45°	2332.3	2266.0	2193.2	2039.6	1744.2	1222.4	713.9	372.2	174.8	83.4	1.3
47.5°	1619.7	1589.3	1462.1	1266.1	970.8	647.6	369.5	182.8	92.7	38.4	1.3
50°	1100.6	1066.1	917.8	728.4	516.5	309.9	169.5	91.4	41.1	9.3	1.3
52.5°	577.4	535.1	441.0	336.4	209.3	129.8	74.2	39.7	11.9	1.3	1.3
55°	84.8	78.1	63.6	51.7	46.4	35.8	21.2	9.3	1.3	1.3	2.6
57.5°	2.6	2.6	2.6	2.6	4.0	4.0	2.6	1.3	1.3	1.3	2.6
60°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6
62.5°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6
65°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6
67.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	4.0
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	4.0
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	4.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	4.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
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):

	90°	112.5°	135°	157.5°	180°
0°	185.4	185.4	185.4	185.4	185.4
2.5°	182.8	135.1	104.6	90.1	88.7
5°	165.6	96.7	63.6	49.0	46.4
7.5°	140.4	67.5	37.1	26.5	25.2
10°	115.2	46.4	22.5	18.5	17.2
12.5°	91.4	30.5	15.9	14.6	13.2
15°	70.2	19.9	11.9	10.6	10.6
17.5°	53.0	13.2	9.3	9.3	9.3
20°	39.7	9.3	6.6	7.9	7.9
22.5°	27.8	6.6	5.3	6.6	6.6
25°	19.9	5.3	5.3	6.6	6.6
27.5°	13.2	4.0	4.0	5.3	6.6
30°	7.9	2.6	4.0	5.3	6.6
32.5°	4.0	2.6	4.0	6.6	6.6
35°	2.6	4.0	5.3	6.6	7.9
37.5°	1.3	4.0	5.3	7.9	7.9
40°	1.3	4.0	5.3	7.9	9.3
42.5°	2.6	5.3	6.6	9.3	10.6
45°	2.6	5.3	7.9	10.6	11.9
47.5°	2.6	5.3	9.3	11.9	11.9
50°	4.0	6.6	9.3	11.9	13.2
52.5°	4.0	6.6	9.3	13.2	14.6
55°	4.0	6.6	10.6	13.2	14.6
57.5°	4.0	7.9	10.6	13.2	14.6
60°	4.0	6.6	10.6	13.2	14.6
62.5°	5.3	6.6	9.3	13.2	13.2
65°	5.3	6.6	9.3	13.2	13.2
67.5°	5.3	6.6	9.3	11.9	11.9
70°	5.3	6.6	7.9	10.6	10.6
72.5°	5.3	6.6	7.9	9.3	10.6
75°	4.0	5.3	6.6	7.9	9.3
77.5°	4.0	5.3	5.3	7.9	7.9
80°	4.0	4.0	4.0	5.3	5.3
82.5°	4.0	4.0	2.6	4.0	4.0
85°	4.0	2.6	2.6	2.6	2.6
87.5°	2.6	2.6	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)