

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: P1310560

Luminaire Tested: P3SQAS20R359040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

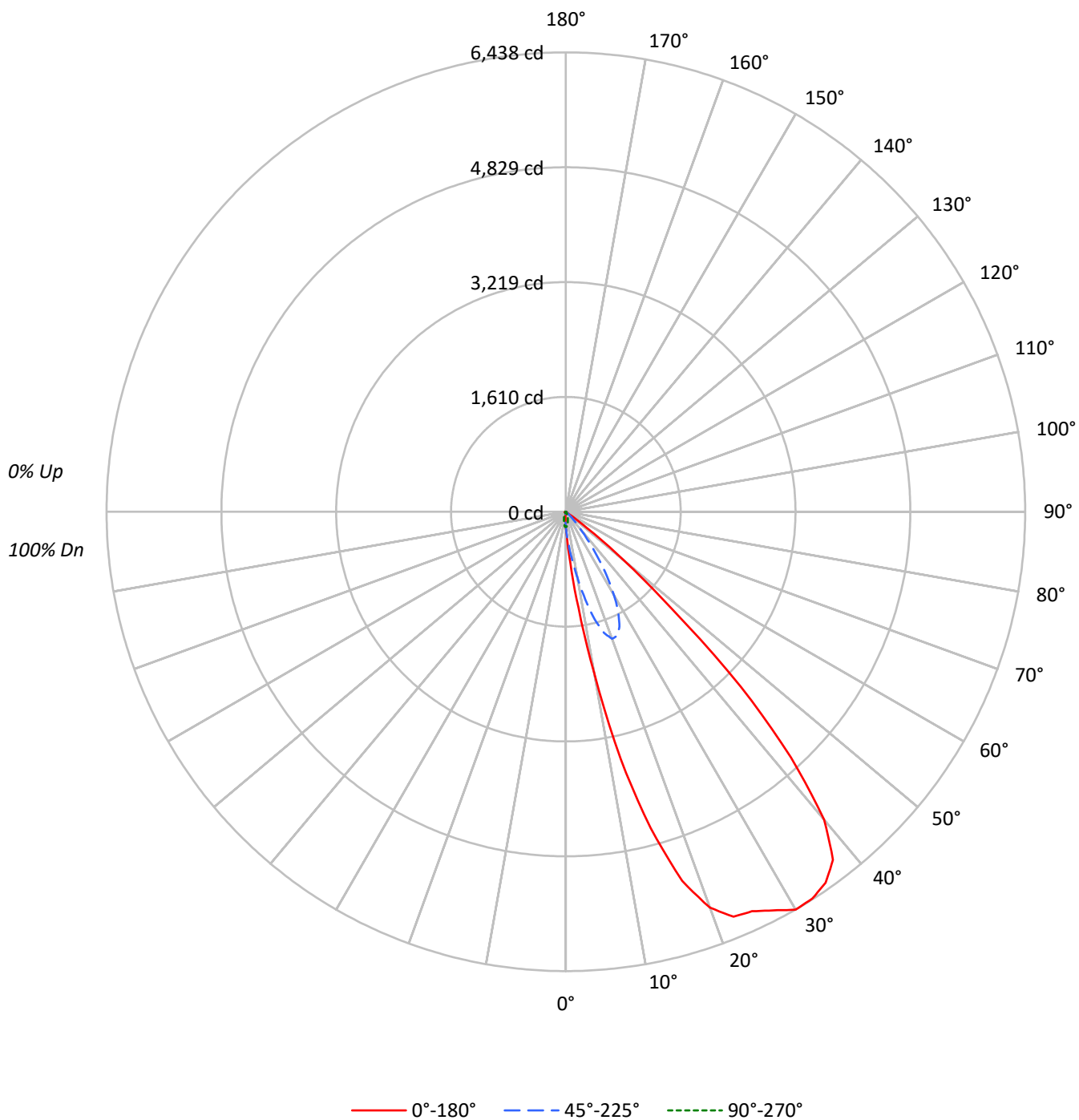
Lumens per Lamp: N/A
Luminaire Lumens: 2025.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	36632	36632	36632	36632	36632
5°	124768	81081	34248	14453	10684
10°	401488	164352	27019	5404	3498
15°	818031	278733	19114	1943	1302
20°	1081747	347142	12334	660	660
25°	1173757	337487	6917	342	684
30°	1280396	268946	2884	358	716
35°	1334173	167397	757	378	757
40°	1266055	73157	405	809	1237
45°	845176	29227	438	1340	2216
50°	283444	4876	965	1956	2920
55°	15824	540	1081	2732	3813
60°	1240	620	1894	3134	4374
65°	1467	734	2241	3708	5175
70°	906	906	2769	4582	5489
75°	1198	1198	3660	4858	6055
80°	0	1785	5455	5455	5455
85°	0	3557	10868	3557	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 845176 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.8
10°-20°	290.8	14.4
20°-30°	613.9	30.3
30°-40°	696.5	34.4
40°-50°	342.8	16.9
50°-60°	29.7	1.5
60°-70°	6.0	0.3
70°-80°	5.6	0.3
80°-90°	2.7	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°	941.6	46.5
0°-40°	1638.1	80.9
0°-60°	2010.6	99.3
0°-90°	2025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2025.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	213	213	213	213	213	
5°	722	469	198	84	62	119
15°	4588	1563	107	11	7	1304
25°	6177	1776	36	2	4	2874
35°	6346	796	4	2	4	3911
45°	3470	120	2	6	9	2564
55°	53	2	4	9	13	207
65°	4	2	6	9	13	3
75°	2	2	6	7	9	1
85°	0	2	6	2	4	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°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7
2.5°	369.0	378.1	374.5	372.6	370.8	363.6	347.2	345.4	329.0	318.1	263.6
5°	721.7	707.1	710.7	690.8	665.3	628.9	605.3	554.4	512.6	469.0	307.2
7.5°	1359.7	1339.7	1301.5	1243.4	1183.4	1105.2	987.0	892.5	783.5	679.8	341.7
10°	2295.8	2284.9	2235.9	2086.8	1955.9	1746.9	1550.6	1343.3	1139.7	939.8	365.4
12.5°	3546.5	3471.9	3382.9	3184.7	2926.6	2664.8	2277.7	1919.6	1594.2	1259.7	367.2
15°	4588.0	4540.8	4415.4	4157.2	3846.4	3468.3	3008.4	2526.7	2035.9	1563.3	349.0
17.5°	5426.0	5353.3	5191.5	4938.9	4580.8	4090.0	3551.9	2964.8	2366.7	1779.6	318.1
20°	5902.3	5864.1	5740.5	5487.8	5097.0	4560.8	3948.2	3264.7	2574.0	1894.1	278.1
22.5°	6142.2	6115.0	6024.1	5822.3	5456.9	4917.1	4215.4	3421.0	2633.9	1881.4	236.3
25°	6176.8	6169.5	6091.3	5938.6	5633.3	5098.8	4331.7	3450.1	2584.9	1776.0	196.3
27.5°	6296.7	6271.3	6178.6	6025.9	5718.7	5129.7	4291.7	3350.1	2426.7	1590.5	163.6
30°	6438.5	6420.4	6327.6	6169.5	5805.9	5100.7	4150.0	3128.4	2174.0	1352.4	121.8
32.5°	6427.6	6420.4	6342.2	6175.0	5744.1	4929.8	3897.3	2795.7	1830.5	1067.0	76.3
35°	6345.8	6320.4	6222.2	5964.1	5391.5	4489.9	3417.4	2344.9	1448.8	796.2	49.1
37.5°	6149.5	6095.0	5929.6	5491.5	4760.7	3811.9	2783.0	1810.5	1025.2	532.6	30.9
40°	5631.4	5562.4	5229.7	4700.7	3935.5	3003.0	2070.4	1245.2	676.2	325.4	12.7
42.5°	4671.7	4531.7	4199.0	3655.5	2937.5	2123.2	1359.7	807.1	398.1	196.3	3.6
45°	3470.1	3362.9	3013.9	2521.2	1925.0	1361.5	823.4	436.3	219.9	120.0	1.8
47.5°	2021.4	1955.9	1776.0	1452.4	1063.4	714.4	421.7	234.5	129.1	58.2	1.8
50°	1057.9	976.1	839.8	636.2	469.0	329.0	205.4	125.4	63.6	18.2	1.8
52.5°	370.8	365.4	332.7	250.9	203.6	147.2	100.0	54.5	18.2	3.6	1.8
55°	52.7	52.7	49.1	54.5	58.2	52.7	34.5	14.5	3.6	1.8	1.8
57.5°	3.6	3.6	3.6	5.5	7.3	7.3	5.5	1.8	1.8	1.8	3.6
60°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
62.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
65°	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
77.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6
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°	212.7	212.7	212.7	212.7	212.7
2.5°	210.9	169.1	134.5	118.2	112.7
5°	198.1	127.2	83.6	65.4	61.8
7.5°	176.3	90.9	50.9	36.4	34.5
10°	154.5	65.4	30.9	21.8	20.0
12.5°	129.1	45.4	20.0	12.7	10.9
15°	107.2	30.9	10.9	9.1	7.3
17.5°	85.4	20.0	7.3	5.5	7.3
20°	67.3	12.7	3.6	3.6	3.6
22.5°	50.9	7.3	3.6	3.6	3.6
25°	36.4	3.6	1.8	1.8	3.6
27.5°	25.4	1.8	1.8	1.8	3.6
30°	14.5	1.8	1.8	1.8	3.6
32.5°	7.3	1.8	1.8	3.6	3.6
35°	3.6	1.8	1.8	3.6	3.6
37.5°	1.8	1.8	1.8	3.6	5.5
40°	1.8	1.8	3.6	5.5	5.5
42.5°	1.8	1.8	3.6	5.5	7.3
45°	1.8	3.6	5.5	7.3	9.1
47.5°	3.6	3.6	7.3	9.1	10.9
50°	3.6	5.5	7.3	10.9	10.9
52.5°	3.6	5.5	9.1	10.9	12.7
55°	3.6	7.3	9.1	12.7	12.7
57.5°	5.5	7.3	9.1	12.7	12.7
60°	5.5	7.3	9.1	12.7	12.7
62.5°	5.5	7.3	9.1	12.7	12.7
65°	5.5	7.3	9.1	12.7	12.7
67.5°	5.5	7.3	9.1	10.9	12.7
70°	5.5	7.3	9.1	10.9	10.9
72.5°	7.3	7.3	9.1	10.9	10.9
75°	5.5	7.3	7.3	9.1	9.1
77.5°	5.5	5.5	5.5	7.3	7.3
80°	5.5	5.5	5.5	5.5	5.5
82.5°	5.5	3.6	3.6	5.5	5.5
85°	5.5	3.6	1.8	3.6	3.6
87.5°	3.6	3.6	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)