

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: P1308814

Luminaire Tested: P3SQAS05R359035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308814
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: P3SQAS05R359035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

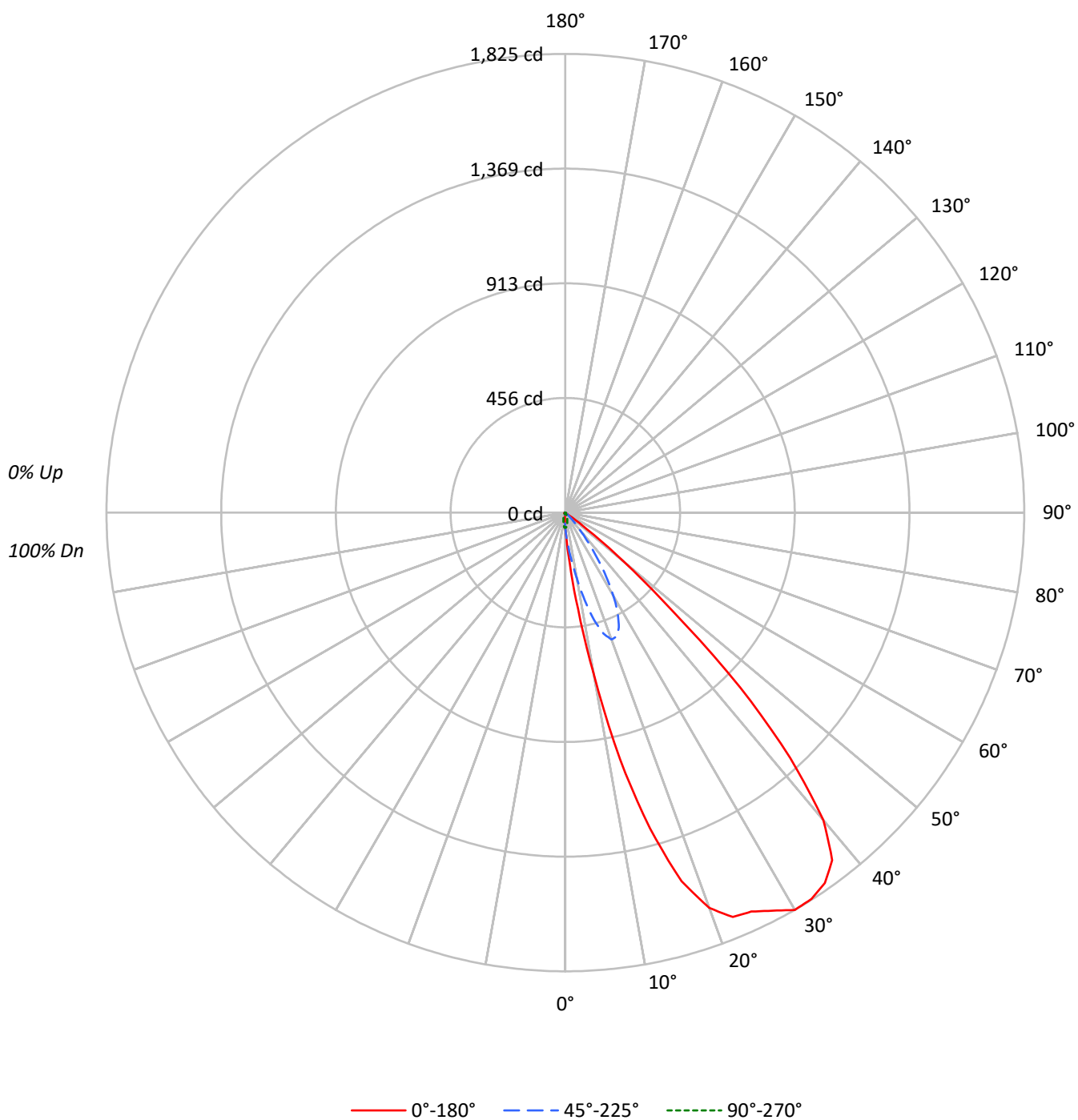
Lumens per Lamp: N/A
Luminaire Lumens: 573.9 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
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	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	51	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°	10385	10385	10385	10385	10385
5°	35371	22976	9716	4097	3025
10°	113812	46588	7660	1539	997
15°	231877	79004	5420	553	374
20°	306620	98401	3501	183	183
25°	332699	95659	1957	95	190
30°	362930	76245	815	99	199
35°	378189	47452	210	105	210
40°	358881	20728	112	225	337
45°	239565	8281	122	365	633
50°	80352	1393	268	563	831
55°	4474	150	300	781	1081
60°	344	172	517	896	1240
65°	408	204	611	1060	1467
70°	252	252	755	1309	1561
75°	333	333	998	1397	1730
80°	0	496	1488	1488	1488
85°	0	988	2964	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 239565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	1.8
10°-20°	82.4	14.4
20°-30°	174.0	30.3
30°-40°	197.4	34.4
40°-50°	97.2	16.9
50°-60°	8.4	1.5
60°-70°	1.7	0.3
70°-80°	1.6	0.3
80°-90°	0.8	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°	266.9	46.5
0°-40°	464.3	80.9
0°-60°	569.9	99.3
0°-90°	573.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	205	133	56	24	18	34
15°	1300	443	30	3	2	370
25°	1751	503	10	0	1	815
35°	1799	226	1	0	1	1109
45°	984	34	0	2	3	727
55°	15	0	1	3	4	59
65°	1	0	2	3	4	1
75°	0	0	2	2	3	0
85°	0	0	2	0	1	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°	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
2.5°	104.6	107.2	106.1	105.6	105.1	103.1	98.4	97.9	93.3	90.2	74.7
5°	204.6	200.4	201.5	195.8	188.6	178.3	171.6	157.2	145.3	132.9	87.1
7.5°	385.4	379.7	368.9	352.4	335.4	313.3	279.8	253.0	222.1	192.7	96.9
10°	650.8	647.7	633.8	591.5	554.4	495.2	439.5	380.8	323.1	266.4	103.6
12.5°	1005.3	984.1	958.9	902.7	829.6	755.4	645.6	544.1	451.9	357.1	104.1
15°	1300.5	1287.1	1251.6	1178.4	1090.3	983.1	852.8	716.2	577.1	443.1	98.9
17.5°	1538.0	1517.4	1471.6	1400.0	1298.5	1159.3	1006.8	840.4	670.9	504.4	90.2
20°	1673.0	1662.2	1627.2	1555.6	1444.8	1292.8	1119.1	925.4	729.6	536.9	78.8
22.5°	1741.1	1733.3	1707.6	1650.4	1546.8	1393.8	1194.9	969.7	746.6	533.3	67.0
25°	1750.8	1748.8	1726.6	1683.3	1596.8	1445.3	1227.9	978.0	732.7	503.4	55.6
27.5°	1784.9	1777.6	1751.4	1708.1	1621.0	1454.1	1216.5	949.6	687.9	450.9	46.4
30°	1825.0	1819.9	1793.6	1748.8	1645.7	1445.8	1176.3	886.8	616.2	383.4	34.5
32.5°	1822.0	1819.9	1797.7	1750.3	1628.2	1397.4	1104.7	792.5	518.9	302.5	21.6
35°	1798.8	1791.6	1763.7	1690.6	1528.3	1272.7	968.7	664.7	410.7	225.7	13.9
37.5°	1743.1	1727.7	1680.8	1556.6	1349.5	1080.5	788.9	513.2	290.6	151.0	8.8
40°	1596.3	1576.7	1482.4	1332.5	1115.5	851.2	586.9	353.0	191.7	92.2	3.6
42.5°	1324.2	1284.5	1190.2	1036.2	832.7	601.8	385.4	228.8	112.8	55.6	1.0
45°	983.6	953.2	854.3	714.7	545.7	385.9	233.4	123.7	62.3	34.0	0.5
47.5°	573.0	554.4	503.4	411.7	301.4	202.5	119.5	66.5	36.6	16.5	0.5
50°	299.9	276.7	238.0	180.3	132.9	93.3	58.2	35.6	18.0	5.2	0.5
52.5°	105.1	103.6	94.3	71.1	57.7	41.7	28.3	15.5	5.2	1.0	0.5
55°	14.9	14.9	13.9	15.5	16.5	14.9	9.8	4.1	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.1	2.1	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	60.3	60.3	60.3	60.3	60.3
2.5°	59.8	47.9	38.1	33.5	31.9
5°	56.2	36.1	23.7	18.5	17.5
7.5°	50.0	25.8	14.4	10.3	9.8
10°	43.8	18.5	8.8	6.2	5.7
12.5°	36.6	12.9	5.7	3.6	3.1
15°	30.4	8.8	3.1	2.6	2.1
17.5°	24.2	5.7	2.1	1.5	2.1
20°	19.1	3.6	1.0	1.0	1.0
22.5°	14.4	2.1	1.0	1.0	1.0
25°	10.3	1.0	0.5	0.5	1.0
27.5°	7.2	0.5	0.5	0.5	1.0
30°	4.1	0.5	0.5	0.5	1.0
32.5°	2.1	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.1
45°	0.5	1.0	1.5	2.1	2.6
47.5°	1.0	1.0	2.1	2.6	3.1
50°	1.0	1.5	2.1	3.1	3.1
52.5°	1.0	1.5	2.6	3.1	3.6
55°	1.0	2.1	2.6	3.6	3.6
57.5°	1.5	2.1	2.6	3.6	3.6
60°	1.5	2.1	2.6	3.6	3.6
62.5°	1.5	2.1	2.6	3.6	3.6
65°	1.5	2.1	2.6	3.6	3.6
67.5°	1.5	2.1	2.6	3.1	3.6
70°	1.5	2.1	2.6	3.1	3.1
72.5°	2.1	2.1	2.6	3.1	3.1
75°	1.5	2.1	2.1	2.6	2.6
77.5°	1.5	1.5	1.5	2.1	2.1
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)