

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: P1308839

Luminaire Tested: P3SQAS05R459035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

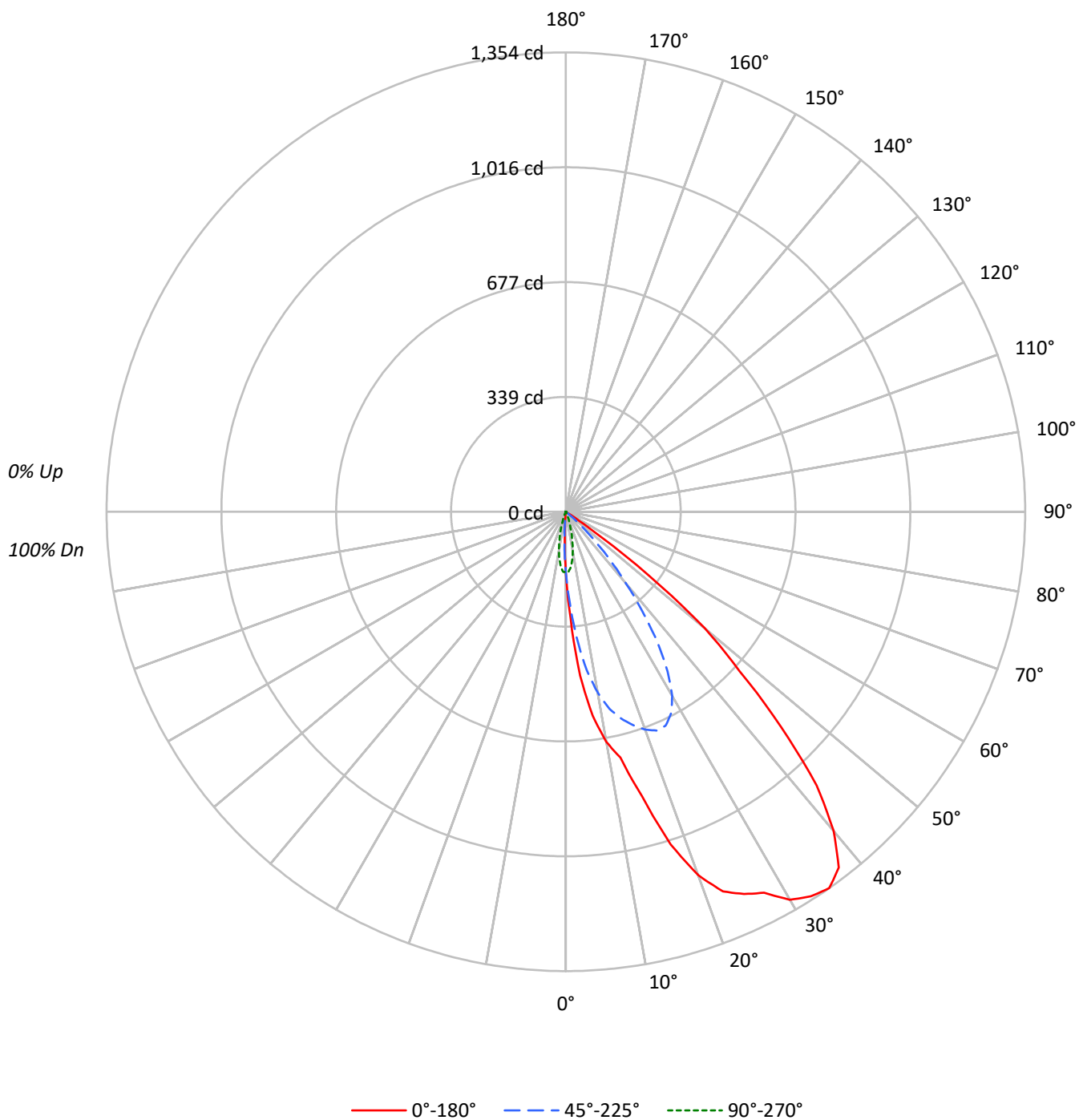
Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	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	76	71	90	82	76	71	80	74	70		77	73	69		76	72	68	67
5	86	76	69	64	84	75	68	63	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	59	56	54
7	75	64	57	52	74	63	56	51	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	43	65	54	47	42	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	30707	30707	30707	30707	30707
5°	83812	64484	28422	5705	2144
10°	120370	94610	20548	542	455
15°	154977	112542	10930	178	0
20°	208879	125214	4160	0	0
25°	236241	132278	1083	0	0
30°	262602	124689	99	0	0
35°	284672	99446	0	0	0
40°	275922	62433	0	0	0
45°	218717	29739	0	0	0
50°	143155	3724	0	0	0
55°	24591	0	0	0	0
60°	0	0	172	0	0
65°	0	204	204	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	496	0
85°	0	988	1976	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 218717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	3.7
10°-20°	81.8	14.2
20°-30°	153.1	26.7
30°-40°	178.7	31.1
40°-50°	116.5	20.3
50°-60°	21.6	3.8
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.5	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°	256.1	44.6
0°-40°	434.7	75.7
0°-60°	572.9	99.8
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	178	178	178	178	178	
5°	485	373	164	33	12	52
15°	869	631	61	1	0	259
25°	1243	696	6	0	0	575
35°	1354	473	0	0	0	830
45°	898	122	0	0	0	683
55°	82	0	0	0	0	142
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	178.3	178.3	178.3	178.3	178.3	178.3	178.3	178.3	178.3	178.3	178.3
2.5°	314.3	316.9	311.7	309.7	303.0	304.5	293.2	288.5	281.3	269.5	263.8
5°	484.8	480.2	476.1	467.3	462.2	448.2	432.8	415.3	394.1	373.0	348.8
7.5°	606.4	602.8	601.3	594.1	583.8	569.3	549.2	527.1	499.8	471.4	434.9
10°	688.3	684.7	678.6	671.3	663.1	651.2	631.7	607.5	577.6	541.0	498.2
12.5°	741.9	741.4	731.1	722.9	712.6	702.3	682.2	662.6	633.2	595.6	547.2
15°	869.2	860.9	847.6	824.4	795.5	768.7	736.3	705.3	673.4	631.2	577.1
17.5°	1027.9	1018.6	995.9	966.6	920.2	869.2	813.5	764.6	716.7	659.5	595.6
20°	1139.7	1136.1	1117.0	1083.0	1033.5	966.1	892.9	823.9	756.4	683.2	604.4
22.5°	1211.3	1209.2	1201.5	1178.3	1127.8	1052.1	957.8	865.1	783.7	698.1	601.8
25°	1243.2	1245.8	1246.9	1235.5	1194.8	1117.5	1005.7	896.5	799.1	696.1	582.2
27.5°	1265.9	1265.9	1270.0	1264.9	1223.7	1142.3	1024.3	907.3	794.0	670.8	541.0
30°	1320.5	1319.5	1322.1	1308.2	1251.0	1150.0	1016.0	889.8	764.6	627.0	481.7
32.5°	1344.2	1345.3	1344.7	1322.6	1256.1	1144.8	995.9	856.3	710.5	558.5	403.4
35°	1354.0	1349.4	1330.3	1279.8	1195.8	1076.3	939.3	799.6	634.8	473.0	318.4
37.5°	1321.6	1308.2	1265.9	1196.9	1094.3	979.4	845.5	698.1	534.3	371.0	239.6
40°	1227.3	1209.8	1156.7	1073.2	979.4	875.9	734.7	579.1	417.9	277.7	168.0
42.5°	1093.8	1073.7	1016.5	943.9	858.4	749.7	609.0	453.4	306.0	191.7	106.7
45°	898.0	886.7	853.7	792.4	708.4	595.6	466.8	330.8	211.8	122.1	54.6
47.5°	694.5	680.1	656.4	614.2	544.1	436.9	326.7	224.6	136.0	60.3	11.3
50°	534.3	517.3	488.4	441.6	368.4	291.6	211.8	140.1	69.0	13.9	0.5
52.5°	307.6	311.2	297.3	267.4	226.7	174.7	122.6	70.6	15.5	0.5	0.0
55°	81.9	88.6	86.6	93.3	81.9	69.0	51.0	13.4	1.0	0.0	0.0
57.5°	0.0	0.0	0.5	1.0	3.1	4.6	1.5	0.5	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	178.3	178.3	178.3	178.3	178.3	178.3	178.3	178.3
2.5°	250.9	240.1	226.7	177.2	133.4	95.8	74.7	69.0
5°	325.6	299.3	265.3	164.4	82.4	33.0	14.9	12.4
7.5°	396.2	357.6	296.3	143.7	41.7	8.2	4.1	3.6
10°	450.8	398.8	318.9	117.5	15.5	3.1	2.6	2.6
12.5°	488.4	425.1	327.2	89.1	5.7	1.5	1.5	1.0
15°	510.1	435.4	319.4	61.3	2.1	1.0	0.0	0.0
17.5°	516.8	431.2	298.8	38.6	0.5	0.0	0.0	0.0
20°	511.1	411.2	266.4	22.7	0.0	0.0	0.0	0.0
22.5°	492.6	379.7	227.2	12.4	0.0	0.0	0.0	0.0
25°	458.0	335.4	181.4	5.7	0.0	0.0	0.0	0.0
27.5°	401.9	278.2	136.5	2.1	0.0	0.0	0.0	0.0
30°	338.0	216.9	96.9	0.5	0.0	0.0	0.0	0.0
32.5°	263.8	159.7	62.3	0.0	0.0	0.0	0.0	0.0
35°	198.4	111.8	37.1	0.0	0.0	0.0	0.0	0.0
37.5°	138.1	70.6	19.6	0.0	0.0	0.0	0.0	0.0
40°	86.0	38.1	6.7	0.0	0.0	0.0	0.0	0.0
42.5°	47.9	13.4	0.5	0.0	0.0	0.0	0.0	0.0
45°	11.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	1.0	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	1.0	1.0	0.5	0.0	0.0	0.0
75°	0.5	0.5	1.0	1.0	0.5	0.0	0.0	0.0
77.5°	0.5	1.0	1.0	1.0	0.5	0.5	0.0	0.0
80°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.0
82.5°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.0
85°	0.5	1.0	1.0	1.0	0.5	0.5	0.0	0.0
87.5°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)