

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: P1312171

Luminaire Tested: P3SQAS05R559727DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559727DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

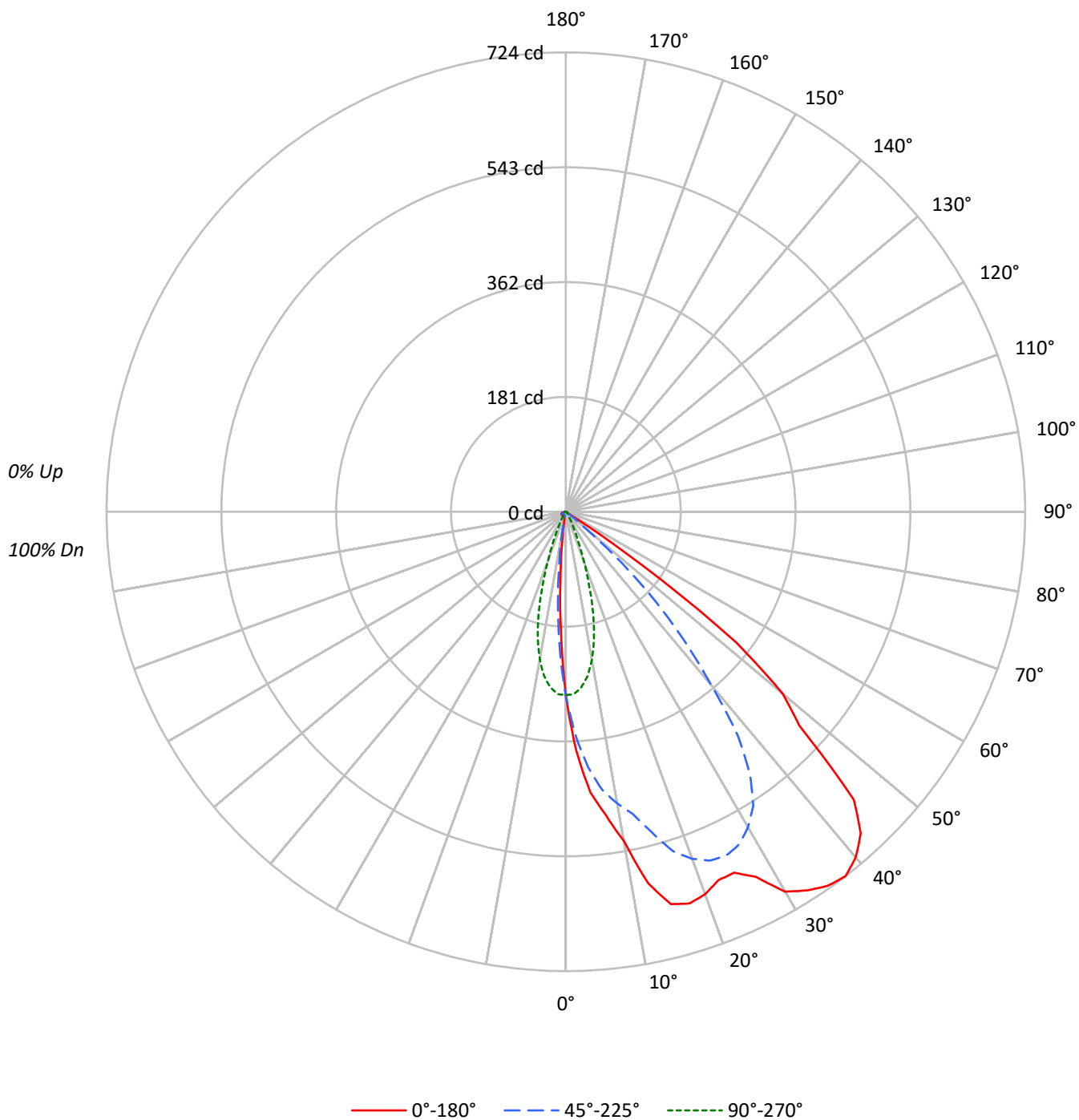
Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49755	49755	49755	49755	49755
5°	76724	69844	48061	24687	16216
10°	92179	81634	41376	6226	2483
15°	114146	93232	29562	1712	1337
20°	117553	106666	15267	1155	1155
25°	119261	113617	6119	1026	1197
30°	137476	114149	2665	1074	1253
35°	151313	106426	1135	1135	1409
40°	159825	80104	652	1326	1506
45°	156317	48955	609	1437	1827
50°	119578	10423	670	1688	2143
55°	43868	390	751	1892	2402
60°	448	448	861	2170	2756
65°	530	530	1019	2201	2893
70°	403	655	1057	2518	3374
75°	266	532	1131	2795	3926
80°	397	793	1289	2876	4166
85°	0	790	1581	3359	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 156317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	5.3
10°-20°	72.8	15.1
20°-30°	111.7	23.2
30°-40°	130.2	27.0
40°-50°	104.0	21.6
50°-60°	30.8	6.4
60°-70°	3.3	0.7
70°-80°	2.6	0.5
80°-90°	1.1	0.2
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°	210.0	43.6
0°-40°	340.2	70.6
0°-60°	475.0	98.6
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	289	289	289	289	289	
5°	444	404	278	143	94	44
15°	640	523	166	10	8	177
25°	628	598	32	5	6	298
35°	720	506	5	5	7	448
45°	642	201	2	6	8	463
55°	146	1	2	6	8	155
65°	1	1	2	5	7	1
75°	0	1	2	4	6	1
85°	0	0	1	2	2	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°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	376.8	376.8	375.6	376.0	375.1	370.5	369.7	363.8	358.8	353.4	348.8
5°	443.8	444.6	443.4	440.9	437.5	434.2	427.1	421.6	414.5	404.0	394.4
7.5°	481.9	481.1	479.0	478.1	476.0	472.3	467.3	461.4	453.0	442.6	431.2
10°	527.1	520.0	517.9	514.6	507.9	500.3	491.5	483.6	476.5	466.8	454.7
12.5°	600.0	598.7	590.3	584.1	574.9	558.1	543.0	525.5	504.5	487.8	471.9
15°	640.2	641.0	637.2	632.2	626.4	612.5	597.5	577.0	552.2	522.9	497.0
17.5°	647.3	648.5	646.5	644.4	642.7	634.7	625.5	610.9	588.3	561.0	522.5
20°	641.4	643.9	644.4	646.9	650.2	646.9	639.3	629.3	610.4	582.0	545.1
22.5°	628.4	633.1	636.4	645.2	654.0	654.0	649.4	641.4	623.0	595.0	557.3
25°	627.6	628.4	629.7	643.9	657.8	660.7	656.5	648.1	628.0	597.9	556.9
27.5°	648.5	643.1	634.7	649.0	665.3	667.8	661.9	650.6	626.8	591.2	542.6
30°	691.3	679.1	661.5	672.0	683.3	680.4	668.6	650.6	618.4	574.0	515.8
32.5°	707.6	700.9	694.6	705.9	708.0	695.9	674.9	648.1	605.0	549.7	471.9
35°	719.7	720.1	717.6	719.7	709.7	692.5	669.5	634.3	579.9	506.2	413.7
37.5°	723.9	724.7	719.3	711.8	696.7	677.0	649.4	609.2	538.0	446.3	325.7
40°	710.9	708.4	699.6	689.2	672.8	652.7	622.6	562.7	475.6	356.3	254.1
42.5°	687.9	683.7	673.2	660.7	643.5	618.0	569.8	497.4	386.4	278.0	177.9
45°	641.8	638.9	625.9	616.7	596.2	563.1	501.2	409.9	298.9	201.0	103.0
47.5°	498.7	499.1	509.1	513.7	506.6	480.2	407.4	311.5	218.1	119.7	34.8
50°	446.3	444.2	434.2	420.4	397.3	358.0	298.9	220.2	129.0	38.9	5.0
52.5°	338.7	338.7	333.7	326.6	302.3	264.2	202.2	121.8	45.2	6.7	1.3
55°	146.1	138.6	142.8	150.7	144.4	125.6	94.6	36.4	8.0	1.3	1.3
57.5°	2.1	5.0	7.5	12.1	16.3	19.7	10.5	3.8	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	0.8	0.8	0.8	1.3	0.8	1.3	1.3	1.3	1.3	1.3	1.3
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	342.1	334.9	323.2	287.6	250.8	216.9	192.6	183.4
5°	383.5	370.5	350.9	278.0	204.7	142.8	107.6	93.8
7.5°	416.2	399.4	371.0	261.3	150.3	76.2	45.6	36.0
10°	437.9	419.5	382.3	236.6	99.6	35.6	17.2	14.2
12.5°	453.9	430.8	386.4	204.7	58.6	16.3	9.2	8.4
15°	465.6	435.9	381.4	165.8	32.2	9.6	7.5	7.5
17.5°	481.9	438.4	369.3	122.3	18.4	7.1	7.1	7.1
20°	494.5	438.4	346.3	83.3	11.3	6.3	6.3	6.3
22.5°	500.7	431.7	318.2	52.8	8.0	5.9	6.3	6.3
25°	494.5	415.3	282.2	32.2	6.3	5.4	5.9	6.3
27.5°	471.4	382.7	234.0	20.5	5.0	5.4	5.9	6.3
30°	432.9	335.4	179.6	13.4	4.6	5.4	5.9	6.3
32.5°	378.5	265.0	116.4	8.8	4.2	5.4	5.9	6.3
35°	295.6	187.6	70.3	5.4	4.2	5.4	6.3	6.7
37.5°	221.5	125.2	38.1	3.3	4.2	5.4	6.3	6.7
40°	153.7	72.9	16.3	2.9	4.2	5.9	6.7	6.7
42.5°	89.2	28.9	4.2	2.5	4.2	5.9	6.7	7.1
45°	32.7	5.9	1.3	2.5	4.6	5.9	6.7	7.5
47.5°	4.6	1.3	1.3	2.5	4.6	5.9	7.1	7.5
50°	1.3	1.3	1.3	2.5	4.6	6.3	7.5	8.0
52.5°	1.3	1.3	1.3	2.5	4.6	6.3	7.5	8.0
55°	1.3	1.3	1.3	2.5	4.6	6.3	7.5	8.0
57.5°	1.3	1.3	1.3	2.5	4.6	6.3	7.5	8.0
60°	1.3	1.3	1.3	2.5	4.2	6.3	7.5	8.0
62.5°	1.3	1.3	1.3	2.5	4.2	5.9	7.1	7.5
65°	1.3	1.3	1.3	2.5	3.8	5.4	7.1	7.1
67.5°	1.3	1.3	1.3	2.1	3.8	5.4	6.7	7.1
70°	1.3	1.3	1.3	2.1	3.3	5.0	6.3	6.7
72.5°	1.3	1.3	1.3	1.7	2.9	4.6	5.9	6.3
75°	0.8	1.3	1.3	1.7	2.9	4.2	5.4	5.9
77.5°	0.8	1.3	1.3	1.3	2.5	3.3	4.6	5.0
80°	0.8	0.8	1.3	1.3	2.1	2.9	3.8	4.2
82.5°	0.8	0.8	0.8	1.3	1.7	2.1	2.9	2.9
85°	0.8	0.8	0.8	0.8	1.3	1.7	2.1	2.1
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)