

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: P1308856

Luminaire Tested: P3SQAS05R559035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

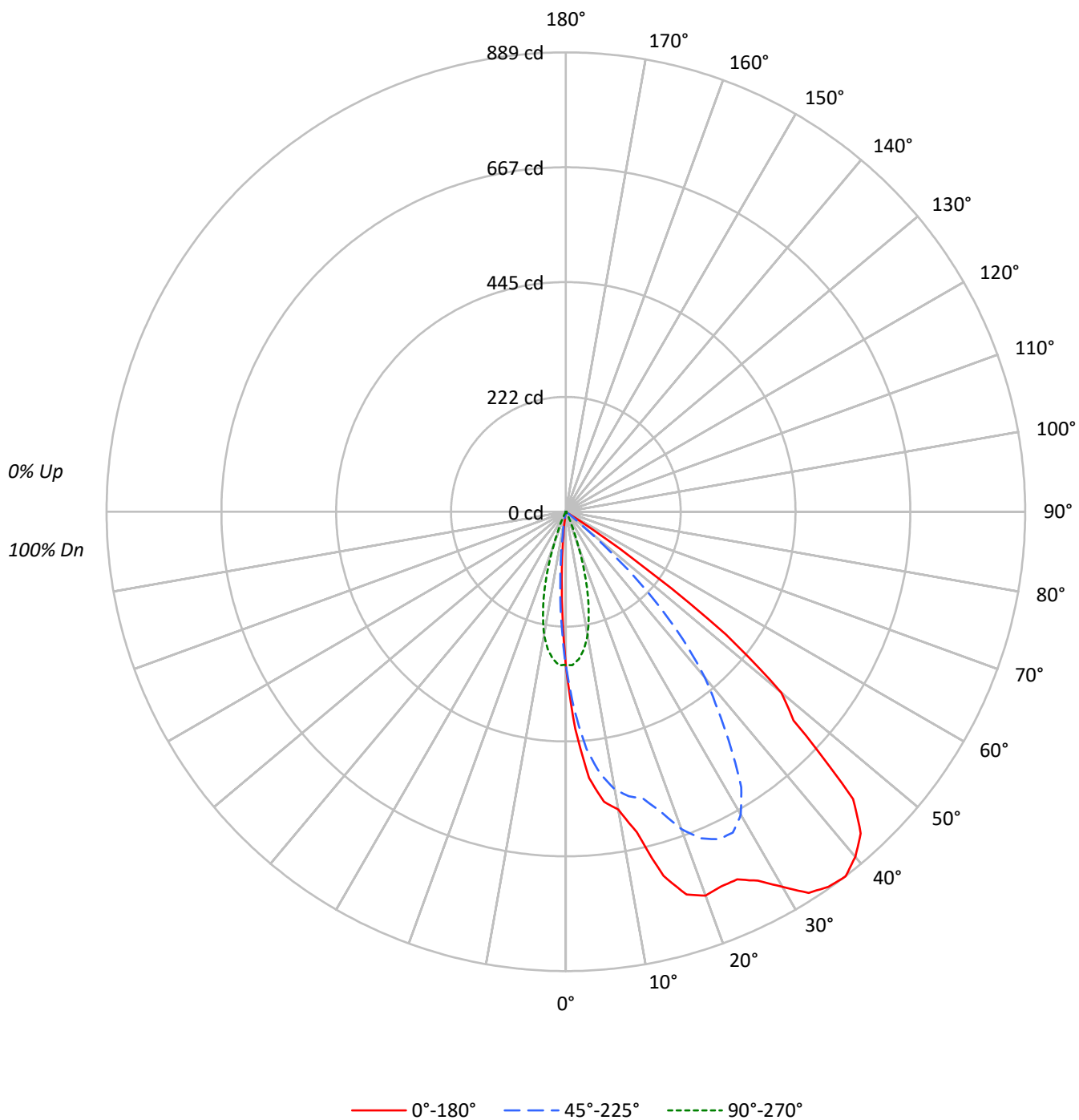
Lumens per Lamp: N/A
Luminaire Lumens: 548.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	96		96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78		84	80	76		81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69		77	72	68		75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62		71	65	61		69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56		65	60	55		64	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	56	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	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	50995	50995	50995	50995	50995
5°	89379	79681	49496	20573	11842
10°	102304	95379	42321	2256	804
15°	130015	102379	29009	464	267
20°	144879	119771	12738	0	0
25°	149133	132886	3630	0	0
30°	166629	134672	517	0	0
35°	186235	116938	0	0	0
40°	195909	94132	0	0	0
45°	191535	59453	0	0	0
50°	145835	12137	0	0	0
55°	47772	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	992	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 191535 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	4.9
10°-20°	79.3	14.5
20°-30°	128.9	23.5
30°-40°	153.2	28.0
40°-50°	125.3	22.9
50°-60°	33.2	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	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°	235.3	42.9
0°-40°	388.5	70.9
0°-60°	547.1	99.8
0°-90°	548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	296	296	296	296	296	
5°	517	461	286	119	68	51
15°	729	574	163	3	2	204
25°	785	699	19	0	0	370
35°	886	556	0	0	0	551
45°	786	244	0	0	0	564
55°	159	0	0	0	0	179
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	67.5°
0°	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1
2.5°	420.2	417.1	417.7	416.1	417.7	411.0	403.7	397.1	391.9	384.7	340.9
5°	517.0	511.9	510.3	508.3	506.2	498.0	491.3	483.1	473.3	460.9	380.6
7.5°	566.0	561.8	559.8	560.8	556.2	553.1	544.3	535.1	524.8	511.4	410.4
10°	585.0	580.9	580.4	579.9	579.4	577.3	573.2	564.9	555.7	545.4	427.4
12.5°	635.0	625.7	619.5	612.3	603.6	592.2	583.0	575.8	572.1	563.9	435.2
15°	729.2	720.5	713.8	704.5	688.0	663.8	641.7	613.3	588.6	574.2	432.1
17.5°	776.6	772.5	766.8	760.6	749.3	731.8	709.1	679.3	647.8	607.2	417.1
20°	790.5	788.4	784.3	781.7	774.0	761.7	746.2	723.0	693.7	653.5	394.0
22.5°	784.8	786.4	788.4	795.1	796.2	787.4	773.0	750.8	721.0	683.9	358.4
25°	784.8	783.8	783.8	797.7	806.5	802.3	792.0	772.0	741.6	699.3	314.7
27.5°	804.9	798.7	785.9	800.3	814.7	813.2	803.9	780.2	746.2	699.9	261.1
30°	837.9	824.5	803.4	816.8	830.2	824.5	809.6	779.2	735.9	677.2	195.7
32.5°	874.4	868.3	857.4	866.2	864.1	841.5	814.7	772.5	714.8	631.9	131.8
35°	885.8	886.8	879.6	878.0	866.2	843.0	814.7	753.4	670.5	556.2	78.3
37.5°	889.4	889.9	878.6	864.1	846.6	819.3	785.3	714.3	588.6	483.1	41.7
40°	871.4	870.8	852.3	834.8	815.2	788.4	739.0	631.9	510.9	418.7	14.9
42.5°	844.6	837.9	820.4	798.7	775.0	741.6	664.3	533.5	443.9	335.3	1.0
45°	786.4	780.2	766.3	743.1	716.9	669.5	547.4	458.3	361.0	244.1	0.0
47.5°	597.9	594.8	609.2	612.3	611.8	557.7	456.8	373.9	265.2	142.1	0.0
50°	544.3	540.2	525.8	507.3	474.3	429.0	366.2	277.1	155.5	45.3	0.0
52.5°	390.9	404.3	407.4	393.4	362.5	317.7	252.3	159.6	54.1	0.0	0.0
55°	159.1	150.9	157.1	164.8	171.0	157.1	116.4	56.6	0.5	0.0	0.0
57.5°	0.0	0.5	3.1	7.2	11.8	14.9	16.0	1.0	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	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.5	0.5	0.5	0.5	0.5
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	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):

	90°	112.5°	135°	157.5°	180°
0°	296.1	296.1	296.1	296.1	296.1
2.5°	297.1	251.3	207.0	182.8	171.0
5°	286.3	192.1	119.0	82.4	68.5
7.5°	268.3	131.8	47.4	19.6	13.9
10°	242.0	75.7	12.9	5.1	4.6
12.5°	204.4	34.5	4.6	3.6	3.6
15°	162.7	11.8	2.6	2.1	1.5
17.5°	114.3	3.1	1.0	0.0	0.0
20°	69.5	0.5	0.0	0.0	0.0
22.5°	38.6	0.0	0.0	0.0	0.0
25°	19.1	0.0	0.0	0.0	0.0
27.5°	8.2	0.0	0.0	0.0	0.0
30°	2.6	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	1.0	0.5	0.5	0.0	0.0
80°	1.0	0.5	0.5	0.0	0.0
82.5°	1.0	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.0	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)