

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: P1308644

Luminaire Tested: P3SQAS02R359035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

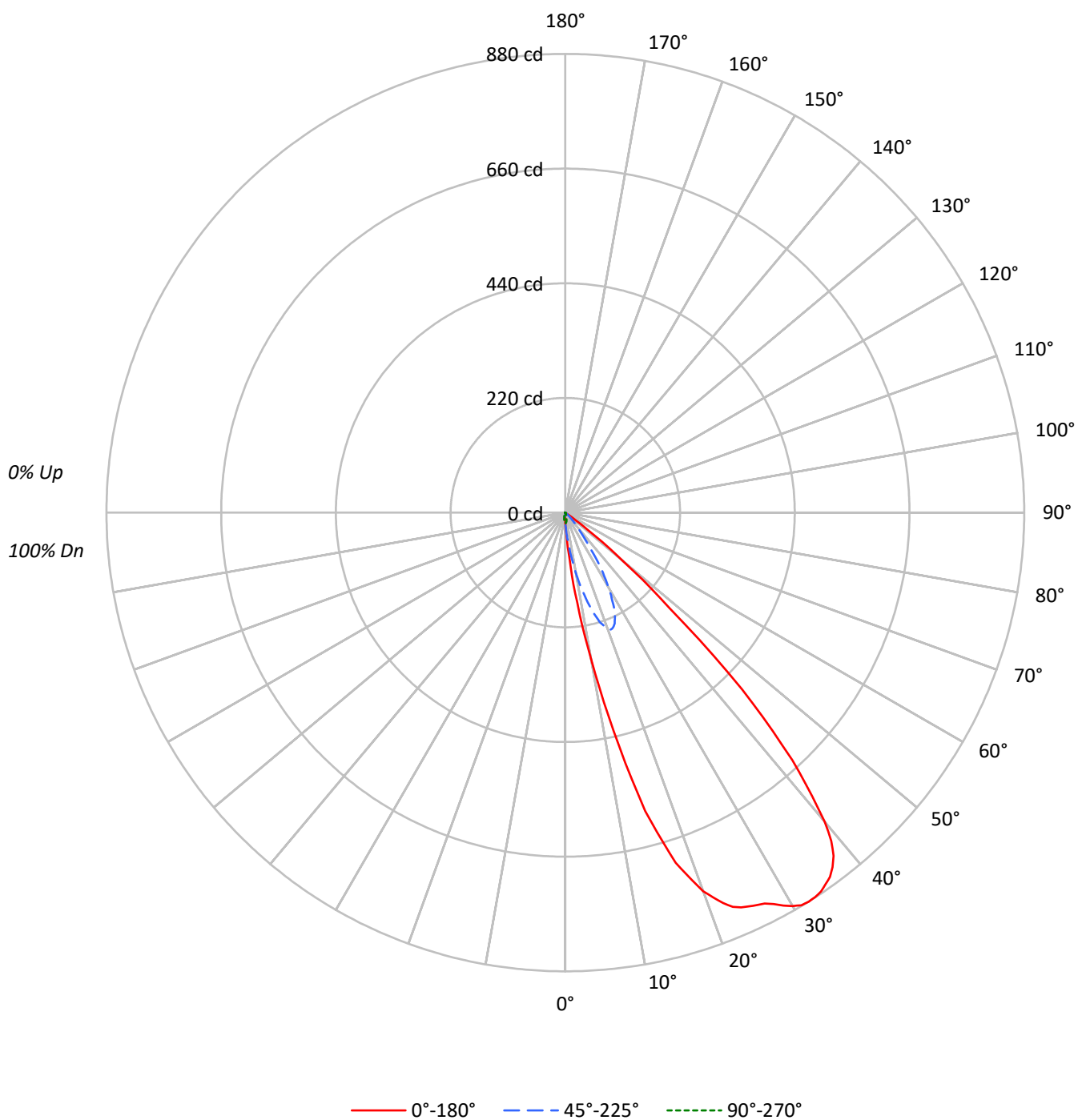
Lumens per Lamp: N/A
Luminaire Lumens: 263.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1308644

CATALOG NUMBER: P3SQAS02R359035DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308644

CATALOG NUMBER: P3SQAS02R359035DE010 E3SQCA301MB

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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	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	46		55	50	46	45
9	66	54	47	43	65	54	47	43	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°	3410	3410	3410	3410	3410
5°	14833	9197	3164	1124	778
10°	49928	20758	2361	262	87
15°	105659	34037	1480	0	0
20°	141672	43510	696	0	0
25°	158330	42718	152	0	0
30°	173331	32733	0	0	0
35°	182934	17829	0	0	0
40°	173899	8004	0	0	0
45°	116714	3556	0	0	0
50°	38984	348	0	0	0
55°	2102	0	0	0	0
60°	0	0	103	0	0
65°	0	0	204	0	0
70°	0	151	252	0	0
75°	0	200	333	0	0
80°	0	298	496	0	0
85°	0	593	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 116714 cd/sqm

TEST NUMBER: P1308644

CATALOG NUMBER: P3SQAS02R359035DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	1.6
10°-20°	36.5	13.9
20°-30°	80.1	30.4
30°-40°	92.6	35.2
40°-50°	45.7	17.4
50°-60°	3.4	1.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	120.8	45.9
0°-40°	213.4	81.1
0°-60°	262.5	99.8
0°-90°	263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	86	53	18	6	4	15
15°	593	191	8	0	0	167
25°	833	225	1	0	0	385
35°	870	85	0	0	0	537
45°	479	15	0	0	0	352
55°	7	0	0	0	0	29
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	

TEST NUMBER: P1308644

CATALOG NUMBER: P3SQAS02R359035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
2.5°	39.4	40.4	39.9	39.9	39.6	38.4	36.1	35.4	32.6	25.8	20.1
5°	85.8	86.1	85.3	81.5	78.3	75.3	68.7	65.7	53.2	31.6	18.3
7.5°	174.1	170.4	165.6	160.3	148.8	138.2	124.4	109.9	82.3	36.6	16.3
10°	285.5	280.3	276.2	263.7	242.9	221.3	195.0	171.1	118.7	40.1	13.5
12.5°	429.3	426.3	412.0	386.9	356.0	324.9	279.0	241.1	155.3	40.9	11.0
15°	592.6	587.6	565.8	530.2	488.3	439.3	377.9	314.1	190.9	38.6	8.3
17.5°	704.3	701.5	682.7	645.3	597.1	534.9	462.2	382.6	220.3	33.9	5.8
20°	773.0	769.0	751.5	719.8	669.4	604.4	518.1	426.3	237.4	27.9	3.8
21°	790.8	786.8	772.8	739.9	691.7	622.0	533.4	436.8	240.6	25.1	3.0
22°	807.7	803.6	788.8	759.7	712.1	639.3	545.5	444.8	240.1	22.8	2.3
23°	821.7	817.4	802.9	776.0	728.1	654.6	554.5	448.9	236.9	20.6	1.8
24°	829.0	826.5	813.4	788.1	741.2	665.4	560.8	450.4	232.8	18.3	1.3
25°	833.2	830.2	817.4	794.1	749.7	673.9	564.8	449.1	224.8	16.3	0.8
26°	837.8	833.2	818.7	796.1	754.2	677.9	565.0	445.9	216.3	14.6	0.3
27°	841.8	837.5	822.5	797.6	755.0	676.7	563.0	439.6	206.0	12.8	0.3
28°	850.6	845.8	828.5	800.9	755.7	673.4	556.8	431.0	192.4	11.3	0.0
29°	862.1	857.1	837.3	808.7	757.5	669.9	548.2	419.8	180.6	10.0	0.0
30°	871.6	867.1	848.8	818.4	762.0	666.6	538.2	404.5	164.6	8.5	0.0
31°	878.7	874.1	857.3	826.7	766.0	663.6	525.6	388.6	150.0	7.5	0.0
32°	880.4	876.7	860.8	830.2	766.0	659.1	514.1	370.8	135.7	6.3	0.0
33°	879.7	875.9	859.8	827.7	759.2	648.3	500.0	349.5	119.4	5.5	0.0
34°	876.9	872.4	855.3	819.7	745.9	630.0	479.7	328.2	102.4	4.5	0.0
35°	870.1	866.1	847.5	804.6	725.4	602.2	452.6	303.6	84.8	3.8	0.0
36°	863.6	857.6	834.8	786.1	698.3	573.6	420.3	275.2	69.8	3.0	0.0
37°	851.6	843.0	819.9	759.2	659.9	533.2	383.4	244.1	58.5	2.3	0.0
38°	835.5	824.0	794.6	728.1	621.2	495.3	348.8	216.0	49.2	1.5	0.0
39°	810.7	797.1	757.2	685.5	576.6	451.4	309.1	186.2	41.9	1.0	0.0
40°	773.5	760.7	716.6	634.8	532.2	402.9	268.5	152.5	35.6	0.5	0.0
42.5°	644.1	626.5	575.3	494.0	393.4	289.8	177.6	84.8	23.6	0.0	0.0
45°	479.2	463.7	413.5	339.5	262.2	177.4	95.1	49.9	14.6	0.0	0.0
47.5°	270.7	269.0	236.3	195.0	146.3	94.3	48.2	30.1	6.3	0.0	0.0
50°	145.5	136.5	117.7	89.3	61.0	41.1	26.1	16.6	1.3	0.0	0.0
52.5°	53.2	51.4	43.2	35.9	27.6	18.8	13.3	7.3	0.0	0.0	0.0
55°	7.0	6.5	6.8	7.3	7.5	6.5	4.3	1.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.5	0.5	0.5	0.0	0.0	0.0	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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	0.3	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5



TEST NUMBER: P1308644

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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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CATALOG NUMBER: P3SQAS02R359035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	19.8	19.8	19.8	19.8
2.5°	15.3	11.8	10.0	9.8
5°	10.5	6.5	4.8	4.5
7.5°	7.3	3.3	2.3	2.0
10°	4.3	1.5	0.8	0.5
12.5°	2.5	0.3	0.0	0.0
15°	0.8	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)