

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: P1308670

Luminaire Tested: P3SQAS02R459035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308670
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: P3SQAS02R459035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

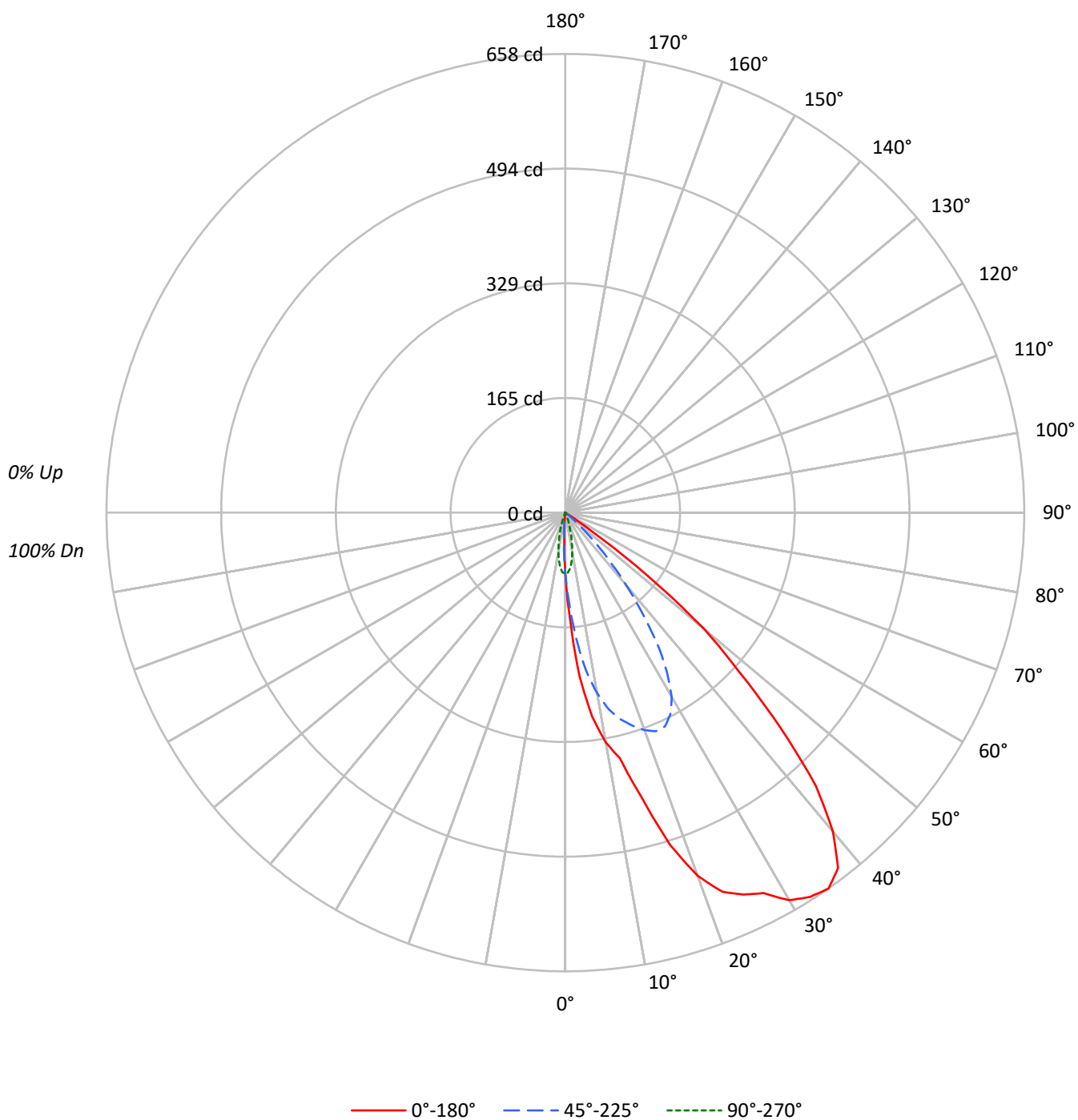
Lumens per Lamp: N/A
Luminaire Lumens: 279.1 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	14914	14914	14914	14914	14914
5°	40748	31343	13813	2766	1037
10°	58515	45993	9986	262	227
15°	75331	54702	5313	89	0
20°	101535	60866	2016	0	0
25°	114833	64286	532	0	0
30°	127652	60614	60	0	0
35°	138362	48335	0	0	0
40°	134106	30351	0	0	0
45°	106314	14467	0	0	0
50°	69582	1822	0	0	0
55°	11950	0	0	0	0
60°	0	0	103	0	0
65°	0	122	122	0	0
70°	0	151	252	0	0
75°	0	200	333	0	0
80°	0	298	496	298	0
85°	0	593	988	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 106314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	3.7
10°-20°	39.8	14.2
20°-30°	74.4	26.7
30°-40°	86.8	31.1
40°-50°	56.6	20.3
50°-60°	10.5	3.8
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°	124.5	44.6
0°-40°	211.3	75.7
0°-60°	278.5	99.8
0°-90°	279.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	87	87	87	87	87	
5°	236	181	80	16	6	25
15°	422	307	30	0	0	126
25°	604	338	3	0	0	279
35°	658	230	0	0	0	404
45°	436	59	0	0	0	332
55°	40	0	0	0	0	69
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°	50°
0°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
2.5°	152.8	154.0	151.5	150.5	147.3	148.0	142.5	140.2	136.7	131.0	128.2
5°	235.7	233.4	231.4	227.1	224.6	217.9	210.4	201.8	191.6	181.3	169.5
7.5°	294.8	293.0	292.3	288.7	283.7	276.7	267.0	256.2	242.9	229.1	211.4
10°	334.6	332.8	329.8	326.3	322.3	316.5	307.0	295.3	280.7	263.0	242.2
12.5°	360.6	360.4	355.4	351.4	346.3	341.3	331.6	322.1	307.8	289.5	266.0
15°	422.5	418.5	412.0	400.7	386.7	373.6	357.9	342.8	327.3	306.8	280.5
17.5°	499.6	495.1	484.1	469.8	447.3	422.5	395.4	371.6	348.4	320.6	289.5
20°	554.0	552.2	542.9	526.4	502.4	469.6	434.0	400.4	367.6	332.1	293.8
22.5°	588.8	587.8	584.0	572.7	548.2	511.4	465.6	420.5	380.9	339.3	292.5
25°	604.3	605.5	606.0	600.5	580.8	543.2	488.8	435.8	388.4	338.3	283.0
27.5°	615.3	615.3	617.3	614.8	594.8	555.2	497.9	441.0	385.9	326.1	263.0
30°	641.9	641.4	642.6	635.9	608.1	559.0	493.9	432.5	371.6	304.8	234.2
32.5°	653.4	653.9	653.6	642.9	610.6	556.5	484.1	416.2	345.3	271.5	196.1
35°	658.1	655.9	646.6	622.1	581.3	523.2	456.5	388.7	308.5	229.9	154.8
37.5°	642.4	635.9	615.3	581.8	531.9	476.1	411.0	339.3	259.7	180.3	116.5
40°	596.5	588.0	562.2	521.7	476.1	425.7	357.1	281.5	203.1	135.0	81.6
42.5°	531.7	521.9	494.1	458.8	417.2	364.4	296.0	220.4	148.8	93.2	51.8
45°	436.5	431.0	415.0	385.2	344.3	289.5	226.9	160.8	102.9	59.4	26.5
47.5°	337.6	330.6	319.1	298.5	264.5	212.4	158.8	109.2	66.1	29.3	5.5
50°	259.7	251.4	237.4	214.6	179.1	141.7	102.9	68.1	33.6	6.8	0.3
52.5°	149.5	151.3	144.5	130.0	110.2	84.9	59.6	34.3	7.5	0.3	0.0
55°	39.8	43.1	42.1	45.3	39.8	33.6	24.8	6.5	0.5	0.0	0.0
57.5°	0.0	0.0	0.3	0.5	1.5	2.3	0.8	0.3	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	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
2.5°	122.0	116.7	110.2	86.1	64.9	46.6	36.3	33.6
5°	158.3	145.5	129.0	79.9	40.1	16.0	7.3	6.0
7.5°	192.6	173.8	144.0	69.9	20.3	4.0	2.0	1.8
10°	219.1	193.8	155.0	57.1	7.5	1.5	1.3	1.3
12.5°	237.4	206.6	159.0	43.3	2.8	0.8	0.8	0.5
15°	247.9	211.6	155.3	29.8	1.0	0.5	0.0	0.0
17.5°	251.2	209.6	145.3	18.8	0.3	0.0	0.0	0.0
20°	248.4	199.8	129.5	11.0	0.0	0.0	0.0	0.0
22.5°	239.4	184.6	110.4	6.0	0.0	0.0	0.0	0.0
25°	222.6	163.0	88.2	2.8	0.0	0.0	0.0	0.0
27.5°	195.3	135.2	66.4	1.0	0.0	0.0	0.0	0.0
30°	164.3	105.4	47.1	0.3	0.0	0.0	0.0	0.0
32.5°	128.2	77.6	30.3	0.0	0.0	0.0	0.0	0.0
35°	96.4	54.3	18.0	0.0	0.0	0.0	0.0	0.0
37.5°	67.1	34.3	9.5	0.0	0.0	0.0	0.0	0.0
40°	41.8	18.5	3.3	0.0	0.0	0.0	0.0	0.0
42.5°	23.3	6.5	0.3	0.0	0.0	0.0	0.0	0.0
45°	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.3	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	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.5	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.5	0.5	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.5	0.5	0.3	0.0	0.0	0.0
77.5°	0.3	0.5	0.5	0.5	0.3	0.3	0.0	0.0
80°	0.3	0.5	0.5	0.5	0.5	0.3	0.0	0.0
82.5°	0.3	0.5	0.5	0.5	0.5	0.3	0.0	0.0
85°	0.3	0.5	0.5	0.5	0.3	0.3	0.0	0.0
87.5°	0.3	0.5	0.5	0.5	0.5	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)