

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: P1316899

Luminaire Tested: P3SQAS05R659830DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R659830DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

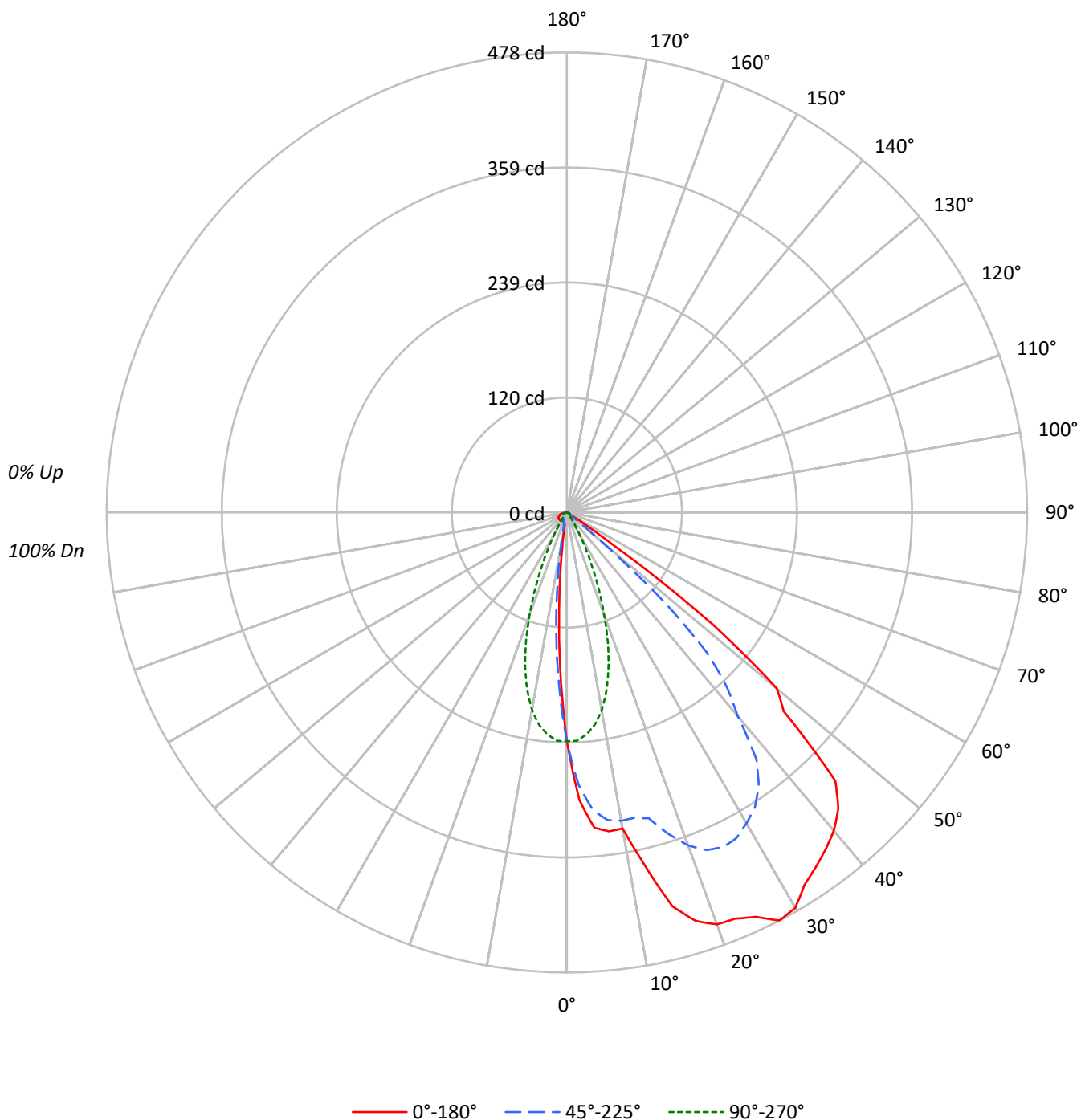
Lumens per Lamp: N/A
Luminaire Lumens: 356.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316899

CATALOG NUMBER: P3SQAS05R659830DE010 E3SQCA301MW

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	102	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	40903	40903	40903	40903	40903
5°	56860	53662	40039	22008	15473
10°	58287	56871	36427	6138	2256
15°	75527	58642	29811	1979	1908
20°	83464	67464	20747	1759	1833
25°	88096	72894	11744	1691	1824
30°	94322	74157	5290	1690	1909
35°	94652	73039	1703	1787	2102
40°	96988	62051	1169	1911	2338
45°	96060	50003	1169	2070	2533
50°	76226	11789	1179	2277	2867
55°	18106	661	1231	2552	3213
60°	620	758	1412	2687	3444
65°	734	734	1345	2853	3749
70°	554	755	1309	2769	3928
75°	466	732	1198	2928	3926
80°	397	694	1488	2975	4066
85°	790	1383	1383	2964	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 96230 cd/sqm

TEST NUMBER: P1316899

CATALOG NUMBER: P3SQAS05R659830DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	5.6
10°-20°	52.2	14.7
20°-30°	82.0	23.0
30°-40°	93.8	26.4
40°-50°	75.4	21.2
50°-60°	24.5	6.9
60°-70°	4.3	1.2
70°-80°	2.9	0.8
80°-90°	1.0	0.3
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°	154.0	43.3
0°-40°	247.8	69.6
0°-60°	347.7	97.7
0°-90°	356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	238	238	238	238	238	
5°	329	310	232	127	90	31
15°	424	329	167	11	11	118
25°	464	384	62	9	10	216
35°	450	347	8	8	10	283
45°	394	205	5	8	10	284
55°	60	2	4	8	11	86
65°	2	2	3	7	9	2
75°	1	1	2	4	6	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1316899

CATALOG NUMBER: P3SQAS05R659830DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	298.9	297.8	299.3	296.7	296.3	293.7	292.3	291.5	288.2	283.8	279.7
5°	328.9	324.5	325.6	325.2	323.3	322.2	320.8	318.9	314.5	310.4	305.2
7.5°	334.1	330.4	331.1	331.5	330.4	330.0	329.6	328.9	325.9	322.2	317.8
10°	333.3	329.6	329.3	328.2	327.0	327.4	327.4	327.4	326.7	325.2	323.7
12.5°	376.2	371.1	370.0	362.2	355.2	342.9	335.2	327.8	324.5	324.8	323.7
15°	423.6	423.2	419.5	412.1	400.3	389.2	371.4	358.1	341.1	328.9	323.7
17.5°	445.1	444.7	441.4	435.1	426.6	416.2	403.3	387.7	368.8	350.0	334.4
20°	455.4	458.0	454.3	449.1	441.0	431.4	419.2	405.1	387.3	368.1	349.6
22.5°	456.9	460.2	456.9	453.2	447.3	441.0	430.6	416.2	398.1	379.6	361.4
25°	463.6	464.7	457.6	452.8	447.3	442.8	434.7	422.1	403.6	383.6	365.9
27.5°	478.0	473.2	458.4	451.7	446.5	442.5	434.7	421.8	401.8	381.4	362.9
30°	474.3	472.4	459.5	453.2	448.8	444.7	435.1	418.4	394.4	372.9	353.7
32.5°	459.1	462.8	458.4	456.2	453.9	448.8	434.7	412.1	385.1	363.3	337.4
35°	450.2	454.7	455.0	455.0	452.5	444.7	428.0	402.9	375.9	347.4	312.6
37.5°	441.4	445.1	447.3	448.8	445.1	434.0	412.9	390.3	360.7	323.3	262.3
40°	431.4	434.0	435.8	436.5	431.0	416.6	397.3	371.8	338.5	276.0	234.2
42.5°	417.3	418.8	418.4	418.1	412.1	396.2	378.1	351.5	285.6	246.0	195.3
45°	394.4	392.9	395.1	395.1	387.3	375.5	351.5	299.7	255.6	205.3	125.8
47.5°	305.6	306.7	317.4	334.8	345.5	342.2	309.7	262.3	214.9	134.7	41.8
50°	284.5	283.4	283.8	285.6	286.7	277.5	254.2	221.6	142.1	44.0	3.0
52.5°	190.9	192.0	200.5	220.1	226.4	219.8	197.6	148.0	51.8	3.0	2.6
55°	60.3	64.4	69.2	79.5	97.7	109.1	106.9	52.5	3.3	2.2	2.6
57.5°	2.2	2.2	3.0	5.2	10.0	16.3	17.0	3.3	2.6	2.6	2.6
60°	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8
70°	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5
75°	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1
80°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	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

TEST NUMBER: P1316899

CATALOG NUMBER: P3SQAS05R659830DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	277.5	273.0	264.1	237.5	209.8	182.0	164.6	160.2
5°	299.3	294.1	281.5	231.6	175.4	127.3	99.9	89.5
7.5°	312.6	306.3	291.5	222.3	136.5	74.0	44.4	35.5
10°	318.5	313.0	296.3	208.3	98.8	35.1	15.5	12.9
12.5°	321.1	316.7	298.2	189.8	64.4	15.5	11.5	11.1
15°	322.2	317.4	297.4	167.2	36.6	11.1	10.7	10.7
17.5°	323.3	317.8	293.0	141.3	20.3	10.4	10.0	10.4
20°	332.2	316.3	285.2	113.2	13.3	9.6	9.6	10.0
22.5°	341.1	315.9	271.5	86.6	10.4	9.2	9.6	9.6
25°	344.1	312.2	254.2	61.8	8.9	8.9	9.2	9.6
27.5°	338.5	301.5	230.9	41.8	7.8	8.9	9.2	9.6
30°	325.6	283.4	202.7	26.6	7.4	8.5	9.2	9.6
32.5°	301.5	247.5	171.3	15.9	7.0	8.5	9.6	9.6
35°	253.4	207.5	135.8	8.1	7.0	8.5	9.6	10.0
37.5°	221.6	173.1	94.7	5.5	7.0	8.5	9.6	10.0
40°	183.9	125.0	39.6	5.2	7.0	8.5	9.6	10.4
42.5°	127.3	54.4	6.3	4.8	6.7	8.5	10.0	10.4
45°	45.9	7.0	3.0	4.8	6.7	8.5	10.0	10.4
47.5°	4.1	2.6	3.0	4.8	6.7	8.5	10.0	10.7
50°	2.6	2.6	2.6	4.4	6.7	8.5	10.0	10.7
52.5°	2.6	2.6	2.6	4.4	6.3	8.5	10.4	10.7
55°	2.6	2.6	2.6	4.1	6.3	8.5	10.0	10.7
57.5°	2.6	2.6	3.0	4.1	6.3	8.1	10.0	10.4
60°	2.6	2.6	2.6	4.1	5.9	7.8	9.6	10.0
62.5°	2.2	2.6	2.6	3.7	5.5	7.4	9.2	9.6
65°	2.2	2.2	2.6	3.3	5.2	7.0	8.5	9.2
67.5°	1.8	2.2	2.2	3.0	4.4	6.3	7.8	8.5
70°	1.8	1.8	1.8	2.6	4.1	5.5	7.4	7.8
72.5°	1.5	1.8	1.8	2.2	3.3	4.8	6.3	7.0
75°	1.5	1.5	1.5	1.8	3.0	4.4	5.5	5.9
77.5°	1.1	1.1	1.5	1.5	2.6	3.3	4.8	5.2
80°	1.1	1.1	1.1	1.5	1.8	3.0	3.7	4.1
82.5°	0.7	0.7	0.7	1.1	1.5	1.8	2.6	3.0
85°	0.7	0.7	0.7	0.7	1.1	1.5	1.8	1.8
87.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)