

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: P1313159

Luminaire Tested: P3SQAS05R659730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313159
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: P3SQAS05R659730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

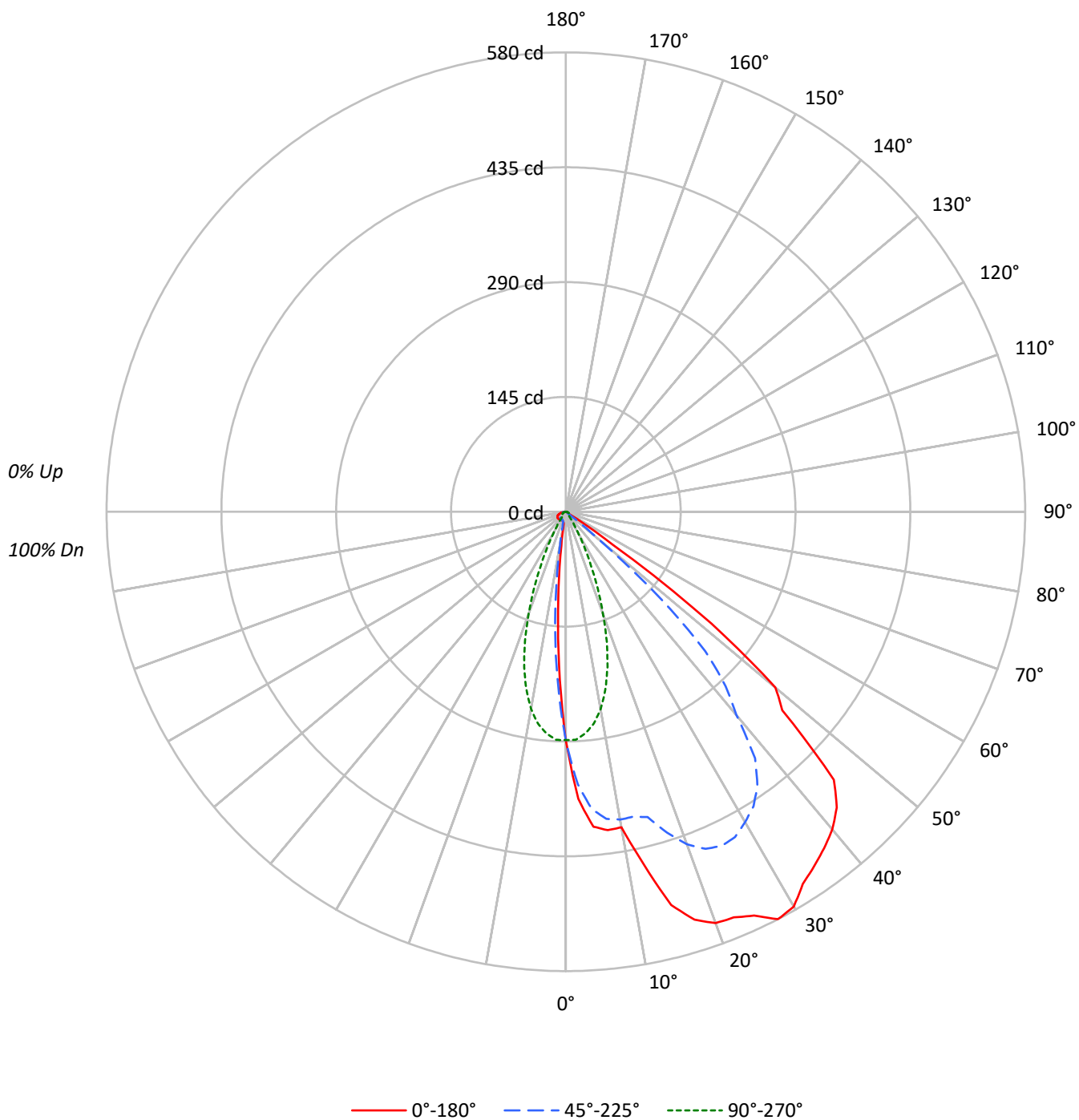
Lumens per Lamp: N/A
Luminaire Lumens: 431.9 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313159

CATALOG NUMBER: P3SQAS05R659730DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313159

CATALOG NUMBER: P3SQAS05R659730DE010 E3SQCA301MW

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	91
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°	49635	49635	49635	49635	49635
5°	68997	65124	48579	26693	18775
10°	70739	69007	44210	7450	2746
15°	91645	71159	36177	2407	2318
20°	101278	81869	25182	2144	2218
25°	106890	88457	14252	2052	2223
30°	114447	89987	6423	2048	2327
35°	114878	88639	2081	2166	2544
40°	117694	75292	1416	2316	2833
45°	116568	60695	1413	2509	3069
50°	92490	14308	1447	2760	3483
55°	21979	811	1471	3093	3903
60°	758	930	1688	3238	4168
65°	897	897	1630	3464	4564
70°	655	906	1561	3374	4733
75°	599	865	1464	3593	4791
80°	397	893	1785	3570	4860
85°	790	1778	1778	3557	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 116787 cd/sqm

TEST NUMBER: P1313159

CATALOG NUMBER: P3SQAS05R659730DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	5.6
10°-20°	63.3	14.7
20°-30°	99.5	23.0
30°-40°	113.8	26.4
40°-50°	91.5	21.2
50°-60°	29.7	6.9
60°-70°	5.3	1.2
70°-80°	3.5	0.8
80°-90°	1.2	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°	186.9	43.3
0°-40°	300.7	69.6
0°-60°	422.0	97.7
0°-90°	431.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	288	288	288	288	288	
5°	399	377	281	154	109	38
15°	514	399	203	14	13	143
25°	562	466	75	11	12	262
35°	546	422	10	10	12	343
45°	479	249	6	10	13	344
55°	73	3	5	10	13	105
65°	2	2	4	8	11	2
75°	1	1	2	5	7	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1313159

CATALOG NUMBER: P3SQAS05R659730DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
2.5°	362.7	361.4	363.2	360.0	359.6	356.5	354.7	353.8	349.7	344.3	339.4
5°	399.1	393.7	395.1	394.6	392.4	391.0	389.2	387.0	381.6	376.7	370.4
7.5°	405.4	400.9	401.8	402.2	400.9	400.5	400.0	399.1	395.5	391.0	385.6
10°	404.5	400.0	399.6	398.2	396.9	397.3	397.3	397.3	396.4	394.6	392.8
12.5°	456.6	450.3	448.9	439.5	431.0	416.2	406.7	397.8	393.7	394.2	392.8
15°	514.0	513.6	509.1	500.1	485.7	472.3	450.7	434.6	413.9	399.1	392.8
17.5°	540.1	539.6	535.6	527.9	517.6	505.1	489.3	470.5	447.6	424.7	405.8
20°	552.6	555.8	551.3	545.0	535.1	523.5	508.6	491.6	470.0	446.7	424.2
22.5°	554.4	558.5	554.4	549.9	542.8	535.1	522.6	505.1	483.1	460.6	438.6
25°	562.5	563.9	555.3	549.5	542.8	537.4	527.5	512.2	489.8	465.5	444.0
27.5°	580.0	574.2	556.2	548.2	541.9	536.9	527.5	511.8	487.5	462.9	440.4
30°	575.5	573.3	557.6	549.9	544.6	539.6	527.9	507.7	478.6	452.5	429.2
32.5°	557.1	561.6	556.2	553.5	550.8	544.6	527.5	500.1	467.3	440.9	409.4
35°	546.4	551.7	552.2	552.2	549.0	539.6	519.4	488.9	456.1	421.6	379.4
37.5°	535.6	540.1	542.8	544.6	540.1	526.6	501.0	473.6	437.7	392.4	318.3
40°	523.5	526.6	528.8	529.7	523.0	505.5	482.2	451.2	410.8	334.9	284.2
42.5°	506.4	508.2	507.7	507.3	500.1	480.8	458.8	426.5	346.6	298.5	237.0
45°	478.6	476.8	479.5	479.5	470.0	455.7	426.5	363.6	310.2	249.2	152.6
47.5°	370.8	372.2	385.2	406.3	419.3	415.3	375.8	318.3	260.8	163.4	50.7
50°	345.2	343.9	344.3	346.6	347.9	336.7	308.4	268.9	172.4	53.4	3.6
52.5°	231.7	233.0	243.3	267.1	274.7	266.7	239.7	179.6	62.9	3.6	3.1
55°	73.2	78.1	84.0	96.5	118.5	132.4	129.7	63.7	4.0	2.7	3.1
57.5°	2.7	2.7	3.6	6.3	12.1	19.8	20.7	4.0	3.1	3.1	3.1
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7	2.7
62.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2
70°	1.3	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8
75°	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3
80°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
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: P1313159

CATALOG NUMBER: P3SQAS05R659730DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
2.5°	336.7	331.3	320.5	288.2	254.5	220.9	199.8	194.4
5°	363.2	356.9	341.6	281.0	212.8	154.4	121.2	108.6
7.5°	379.4	371.7	353.8	269.8	165.7	89.8	53.9	43.1
10°	386.5	379.8	359.6	252.8	119.9	42.6	18.9	15.7
12.5°	389.7	384.3	361.8	230.3	78.1	18.9	13.9	13.5
15°	391.0	385.2	360.9	202.9	44.4	13.5	13.0	13.0
17.5°	392.4	385.6	355.6	171.5	24.7	12.6	12.1	12.6
20°	403.1	383.8	346.1	137.4	16.2	11.7	11.7	12.1
22.5°	413.9	383.4	329.5	105.1	12.6	11.2	11.7	11.7
25°	417.5	378.9	308.4	75.0	10.8	10.8	11.2	11.7
27.5°	410.8	365.9	280.1	50.7	9.4	10.8	11.2	11.7
30°	395.1	343.9	246.0	32.3	9.0	10.3	11.2	11.7
32.5°	365.9	300.3	207.9	19.3	8.5	10.3	11.7	11.7
35°	307.5	251.9	164.8	9.9	8.5	10.3	11.7	12.1
37.5°	268.9	210.1	114.9	6.7	8.5	10.3	11.7	12.1
40°	223.1	151.7	48.0	6.3	8.5	10.3	11.7	12.6
42.5°	154.4	66.0	7.6	5.8	8.1	10.3	12.1	12.6
45°	55.7	8.5	3.6	5.8	8.1	10.3	12.1	12.6
47.5°	4.9	3.1	3.6	5.8	8.1	10.3	12.1	13.0
50°	3.1	3.1	3.1	5.4	8.1	10.3	12.1	13.0
52.5°	3.1	3.1	3.1	5.4	7.6	10.3	12.6	13.0
55°	3.1	3.1	3.1	4.9	7.6	10.3	12.1	13.0
57.5°	3.1	3.1	3.6	4.9	7.6	9.9	12.1	12.6
60°	3.1	3.1	3.1	4.9	7.2	9.4	11.7	12.1
62.5°	2.7	3.1	3.1	4.5	6.7	9.0	11.2	11.7
65°	2.7	2.7	3.1	4.0	6.3	8.5	10.3	11.2
67.5°	2.2	2.7	2.7	3.6	5.4	7.6	9.4	10.3
70°	2.2	2.2	2.2	3.1	4.9	6.7	9.0	9.4
72.5°	1.8	2.2	2.2	2.7	4.0	5.8	7.6	8.5
75°	1.8	1.8	1.8	2.2	3.6	5.4	6.7	7.2
77.5°	1.3	1.3	1.8	1.8	3.1	4.0	5.8	6.3
80°	1.3	1.3	1.3	1.8	2.2	3.6	4.5	4.9
82.5°	0.9	0.9	0.9	1.3	1.8	2.2	3.1	3.6
85°	0.9	0.9	0.9	0.9	1.3	1.8	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)