

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: P1316023

Luminaire Tested: P3SQAS05R659827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316023
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: P3SQAS05R659827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

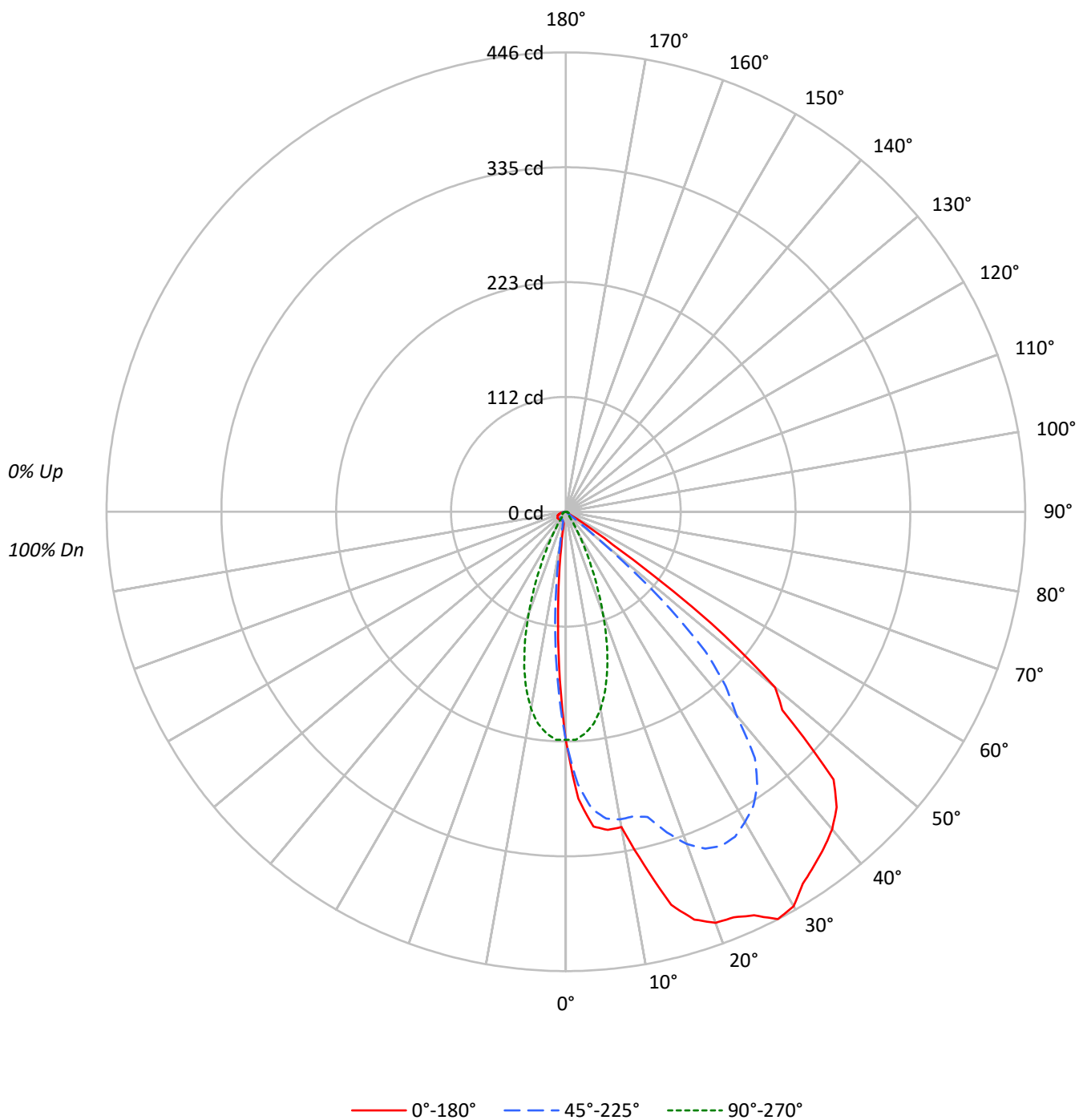
Lumens per Lamp: N/A
Luminaire Lumens: 332.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316023

CATALOG NUMBER: P3SQAS05R659827DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316023

CATALOG NUMBER: P3SQAS05R659827DE010 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	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°	38147	38147	38147	38147	38147
5°	53022	50049	37342	20521	14436
10°	54370	53041	33962	5736	2116
15°	70428	54684	27797	1854	1783
20°	77837	62918	19354	1649	1704
25°	82149	67992	10946	1577	1710
30°	87958	69165	4932	1571	1790
35°	88282	68119	1598	1661	1955
40°	90445	57869	1079	1776	2181
45°	89581	46642	1096	1924	2363
50°	71082	11012	1099	2117	2679
55°	16875	631	1141	2372	3003
60°	586	723	1309	2480	3203
65°	693	693	1263	2690	3505
70°	504	705	1209	2618	3626
75°	466	665	1131	2728	3660
80°	298	694	1389	2777	3769
85°	593	1383	1383	2766	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 89752 cd/sqm

TEST NUMBER: P1316023

CATALOG NUMBER: P3SQAS05R659827DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	5.6
10°-20°	48.7	14.7
20°-30°	76.5	23.0
30°-40°	87.5	26.4
40°-50°	70.3	21.2
50°-60°	22.9	6.9
60°-70°	4.1	1.2
70°-80°	2.7	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°	143.6	43.3
0°-40°	231.1	69.6
0°-60°	324.3	97.7
0°-90°	332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	222	222	222	222	222	
5°	307	290	216	119	84	29
15°	395	307	156	10	10	110
25°	432	358	58	8	9	201
35°	420	324	8	8	9	264
45°	368	192	4	8	10	265
55°	56	2	4	8	10	80
65°	2	2	3	7	9	2
75°	1	1	2	4	6	1
85°	0	1	1	1	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1316023

CATALOG NUMBER: P3SQAS05R659827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5
2.5°	278.8	277.7	279.1	276.7	276.4	273.9	272.6	271.9	268.8	264.6	260.8
5°	306.7	302.6	303.6	303.3	301.5	300.5	299.1	297.4	293.3	289.5	284.6
7.5°	311.5	308.1	308.8	309.1	308.1	307.8	307.4	306.7	304.0	300.5	296.4
10°	310.9	307.4	307.1	306.0	305.0	305.3	305.3	305.3	304.6	303.3	301.9
12.5°	350.9	346.1	345.0	337.8	331.2	319.8	312.6	305.7	302.6	302.9	301.9
15°	395.0	394.7	391.2	384.3	373.3	363.0	346.4	334.0	318.1	306.7	301.9
17.5°	415.1	414.7	411.6	405.7	397.8	388.1	376.1	361.6	344.0	326.4	311.9
20°	424.7	427.1	423.7	418.8	411.3	402.3	390.9	377.8	361.2	343.3	326.0
22.5°	426.1	429.2	426.1	422.6	417.1	411.3	401.6	388.1	371.2	354.0	337.1
25°	432.3	433.3	426.8	422.3	417.1	413.0	405.4	393.7	376.4	357.8	341.2
27.5°	445.8	441.3	427.5	421.3	416.4	412.6	405.4	393.3	374.7	355.7	338.5
30°	442.3	440.6	428.5	422.6	418.5	414.7	405.7	390.2	367.8	347.8	329.8
32.5°	428.2	431.6	427.5	425.4	423.3	418.5	405.4	384.3	359.2	338.8	314.7
35°	419.9	424.0	424.4	424.4	422.0	414.7	399.2	375.7	350.5	324.0	291.5
37.5°	411.6	415.1	417.1	418.5	415.1	404.7	385.0	364.0	336.4	301.5	244.6
40°	402.3	404.7	406.4	407.1	401.9	388.5	370.5	346.7	315.7	257.4	218.4
42.5°	389.2	390.6	390.2	389.9	384.3	369.5	352.6	327.8	266.4	229.4	182.2
45°	367.8	366.4	368.5	368.5	361.2	350.2	327.8	279.5	238.4	191.5	117.3
47.5°	285.0	286.0	296.0	312.2	322.2	319.1	288.8	244.6	200.5	125.6	39.0
50°	265.3	264.3	264.6	266.4	267.4	258.8	237.0	206.7	132.5	41.1	2.8
52.5°	178.0	179.1	187.0	205.3	211.1	204.9	184.2	138.0	48.3	2.8	2.4
55°	56.2	60.0	64.5	74.2	91.1	101.8	99.7	49.0	3.1	2.1	2.4
57.5°	2.1	2.1	2.8	4.8	9.3	15.2	15.9	3.1	2.4	2.4	2.4
60°	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.7	1.7	1.7
70°	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4
75°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
80°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	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

TEST NUMBER: P1316023

CATALOG NUMBER: P3SQAS05R659827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5
2.5°	258.8	254.6	246.3	221.5	195.6	169.7	153.5	149.4
5°	279.1	274.3	262.6	216.0	163.5	118.7	93.2	83.5
7.5°	291.5	285.7	271.9	207.4	127.3	69.0	41.4	33.1
10°	297.1	291.9	276.4	194.2	92.1	32.8	14.5	12.1
12.5°	299.5	295.3	278.1	177.0	60.0	14.5	10.7	10.4
15°	300.5	296.0	277.4	155.9	34.2	10.4	10.0	10.0
17.5°	301.5	296.4	273.3	131.8	19.0	9.7	9.3	9.7
20°	309.8	295.0	266.0	105.6	12.4	9.0	9.0	9.3
22.5°	318.1	294.6	253.2	80.7	9.7	8.6	9.0	9.0
25°	320.9	291.2	237.0	57.6	8.3	8.3	8.6	9.0
27.5°	315.7	281.2	215.3	39.0	7.2	8.3	8.6	9.0
30°	303.6	264.3	189.1	24.8	6.9	7.9	8.6	9.0
32.5°	281.2	230.8	159.7	14.8	6.6	7.9	9.0	9.0
35°	236.3	193.6	126.6	7.6	6.6	7.9	9.0	9.3
37.5°	206.7	161.5	88.3	5.2	6.6	7.9	9.0	9.3
40°	171.5	116.6	36.9	4.8	6.6	7.9	9.0	9.7
42.5°	118.7	50.7	5.9	4.5	6.2	7.9	9.3	9.7
45°	42.8	6.6	2.8	4.5	6.2	7.9	9.3	9.7
47.5°	3.8	2.4	2.8	4.5	6.2	7.9	9.3	10.0
50°	2.4	2.4	2.4	4.1	6.2	7.9	9.3	10.0
52.5°	2.4	2.4	2.4	4.1	5.9	7.9	9.7	10.0
55°	2.4	2.4	2.4	3.8	5.9	7.9	9.3	10.0
57.5°	2.4	2.4	2.8	3.8	5.9	7.6	9.3	9.7
60°	2.4	2.4	2.4	3.8	5.5	7.2	9.0	9.3
62.5°	2.1	2.4	2.4	3.5	5.2	6.9	8.6	9.0
65°	2.1	2.1	2.4	3.1	4.8	6.6	7.9	8.6
67.5°	1.7	2.1	2.1	2.8	4.1	5.9	7.2	7.9
70°	1.7	1.7	1.7	2.4	3.8	5.2	6.9	7.2
72.5°	1.4	1.7	1.7	2.1	3.1	4.5	5.9	6.6
75°	1.4	1.4	1.4	1.7	2.8	4.1	5.2	5.5
77.5°	1.0	1.0	1.4	1.4	2.4	3.1	4.5	4.8
80°	1.0	1.0	1.0	1.4	1.7	2.8	3.5	3.8
82.5°	0.7	0.7	0.7	1.0	1.4	1.7	2.4	2.8
85°	0.7	0.7	0.7	0.7	1.0	1.4	1.7	1.7
87.5°	0.3	0.3	0.3	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)