

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: P1306088

Luminaire Tested: P3SQAS17R359024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

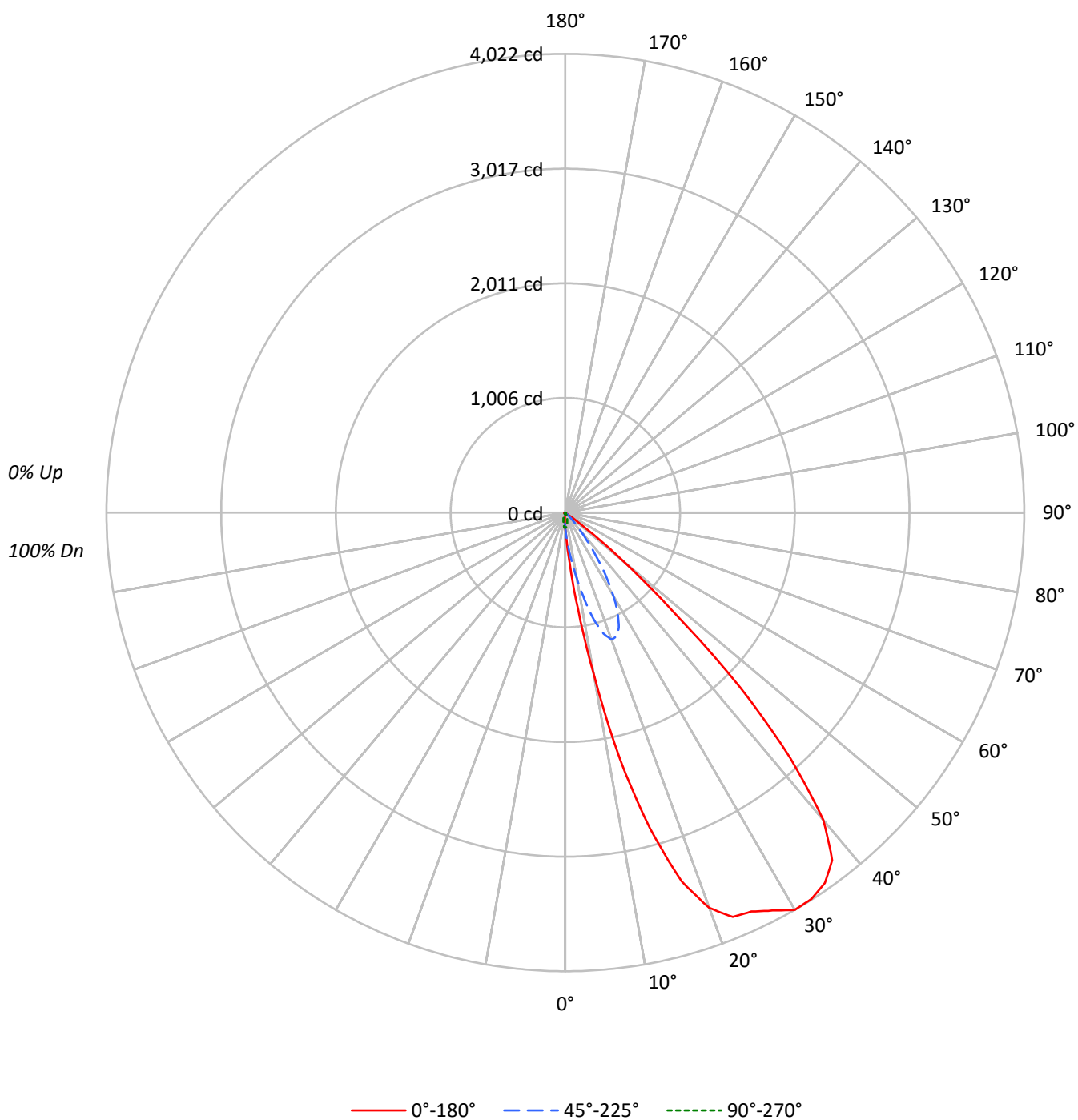
Lumens per Lamp: N/A
Luminaire Lumens: 1264.9 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1306088

CATALOG NUMBER: P3SQAS17R359024DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306088

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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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22888	22888	22888	22888	22888
5°	77935	50654	21403	9024	6673
10°	250812	102672	16876	3375	2186
15°	511020	174126	11946	1212	802
20°	675755	216852	7698	422	422
25°	733237	210816	4314	209	437
30°	799857	168002	1810	219	457
35°	833453	104576	484	231	484
40°	790897	45706	247	517	764
45°	527988	18243	268	828	1388
50°	177076	3054	616	1206	1822
55°	9879	330	691	1711	2372
60°	792	379	1171	1963	2721
65°	937	448	1386	2323	3219
70°	554	554	1712	2870	3424
75°	732	732	2262	2994	3793
80°	0	1091	3372	3372	3372
85°	0	2174	6719	2174	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 527988 cd/sqm

TEST NUMBER: P1306088

CATALOG NUMBER: P3SQAS17R359024DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	1.8
10°-20°	181.7	14.4
20°-30°	383.5	30.3
30°-40°	435.1	34.4
40°-50°	214.1	16.9
50°-60°	18.6	1.5
60°-70°	3.8	0.3
70°-80°	3.5	0.3
80°-90°	1.7	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°	588.2	46.5
0°-40°	1023.3	80.9
0°-60°	1256.0	99.3
0°-90°	1264.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	133	133	133	133	133	
5°	451	293	124	52	39	74
15°	2866	977	67	7	4	815
25°	3859	1109	23	1	2	1795
35°	3964	497	2	1	2	2443
45°	2168	75	1	3	6	1602
55°	33	1	2	6	8	129
65°	2	1	3	6	8	2
75°	1	1	3	4	6	1
85°	0	1	3	1	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1306088

CATALOG NUMBER: P3SQAS17R359024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	230.5	236.2	233.9	232.8	231.7	227.1	216.9	215.8	205.5	198.7	164.7
5°	450.8	441.7	444.0	431.5	415.6	392.9	378.1	346.3	320.2	293.0	191.9
7.5°	849.4	836.9	813.0	776.7	739.2	690.4	616.6	557.6	489.4	424.7	213.5
10°	1434.2	1427.4	1396.7	1303.6	1221.8	1091.3	968.6	839.2	712.0	587.1	228.2
12.5°	2215.4	2168.9	2113.2	1989.5	1828.2	1664.7	1422.8	1199.1	995.9	786.9	229.4
15°	2866.1	2836.6	2758.2	2597.0	2402.8	2166.6	1879.3	1578.4	1271.8	976.6	218.0
17.5°	3389.6	3344.2	3243.1	3085.3	2861.6	2555.0	2218.9	1852.1	1478.5	1111.7	198.7
20°	3687.1	3663.3	3586.0	3428.2	3184.1	2849.1	2466.4	2039.4	1607.9	1183.2	173.7
22.5°	3837.0	3820.0	3763.2	3637.1	3408.9	3071.6	2633.3	2137.1	1645.4	1175.3	147.6
25°	3858.6	3854.0	3805.2	3709.8	3519.0	3185.2	2706.0	2155.3	1614.7	1109.4	122.6
27.5°	3933.5	3917.6	3859.7	3764.3	3572.4	3204.5	2681.0	2092.8	1516.0	993.6	102.2
30°	4022.1	4010.7	3952.8	3854.0	3626.9	3186.3	2592.4	1954.3	1358.1	844.8	76.1
32.5°	4015.3	4010.7	3961.9	3857.4	3588.3	3079.6	2434.6	1746.5	1143.5	666.6	47.7
35°	3964.2	3948.3	3887.0	3725.7	3368.0	2804.8	2134.8	1464.9	905.0	497.4	30.7
37.5°	3841.5	3807.5	3704.1	3430.5	2974.0	2381.2	1738.5	1131.0	640.4	332.7	19.3
40°	3517.9	3474.8	3267.0	2936.5	2458.5	1875.9	1293.4	777.8	422.4	203.3	7.9
42.5°	2918.3	2830.9	2623.1	2283.6	1835.0	1326.3	849.4	504.2	248.7	122.6	2.3
45°	2167.8	2100.8	1882.7	1575.0	1202.5	850.5	514.4	272.5	137.4	74.9	1.1
47.5°	1262.7	1221.8	1109.4	907.3	664.3	446.3	263.4	146.5	80.6	36.3	1.1
50°	660.9	609.8	524.6	397.4	293.0	205.5	128.3	78.4	39.7	11.4	1.1
52.5°	231.7	228.2	207.8	156.7	127.2	92.0	62.5	34.1	11.4	2.3	1.1
55°	32.9	32.9	30.7	34.1	36.3	32.9	21.6	9.1	2.3	1.1	1.1
57.5°	2.3	2.3	2.3	3.4	4.5	4.5	3.4	1.1	1.1	1.1	2.3
60°	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
62.5°	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
65°	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
77.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3
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: P1306088

CATALOG NUMBER: P3SQAS17R359024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	132.9	132.9	132.9	132.9	132.9
2.5°	131.7	105.6	84.0	73.8	70.4
5°	123.8	79.5	52.2	40.9	38.6
7.5°	110.1	56.8	31.8	22.7	21.6
10°	96.5	40.9	19.3	13.6	12.5
12.5°	80.6	28.4	12.5	7.9	6.8
15°	67.0	19.3	6.8	5.7	4.5
17.5°	53.4	12.5	4.5	3.4	4.5
20°	42.0	7.9	2.3	2.3	2.3
22.5°	31.8	4.5	2.3	2.3	2.3
25°	22.7	2.3	1.1	1.1	2.3
27.5°	15.9	1.1	1.1	1.1	2.3
30°	9.1	1.1	1.1	1.1	2.3
32.5°	4.5	1.1	1.1	2.3	2.3
35°	2.3	1.1	1.1	2.3	2.3
37.5°	1.1	1.1	1.1	2.3	3.4
40°	1.1	1.1	2.3	3.4	3.4
42.5°	1.1	1.1	2.3	3.4	4.5
45°	1.1	2.3	3.4	4.5	5.7
47.5°	2.3	2.3	4.5	5.7	6.8
50°	2.3	3.4	4.5	6.8	6.8
52.5°	2.3	3.4	5.7	6.8	7.9
55°	2.3	4.5	5.7	7.9	7.9
57.5°	3.4	4.5	5.7	7.9	7.9
60°	3.4	4.5	5.7	7.9	7.9
62.5°	3.4	4.5	5.7	7.9	7.9
65°	3.4	4.5	5.7	7.9	7.9
67.5°	3.4	4.5	5.7	6.8	7.9
70°	3.4	4.5	5.7	6.8	6.8
72.5°	4.5	4.5	5.7	6.8	6.8
75°	3.4	4.5	4.5	5.7	5.7
77.5°	3.4	3.4	3.4	4.5	4.5
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	2.3	2.3	3.4	3.4
85°	3.4	2.3	1.1	2.3	2.3
87.5°	2.3	2.3	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)