

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: P1311232

Luminaire Tested: P3SQAS09R709050DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R709050DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

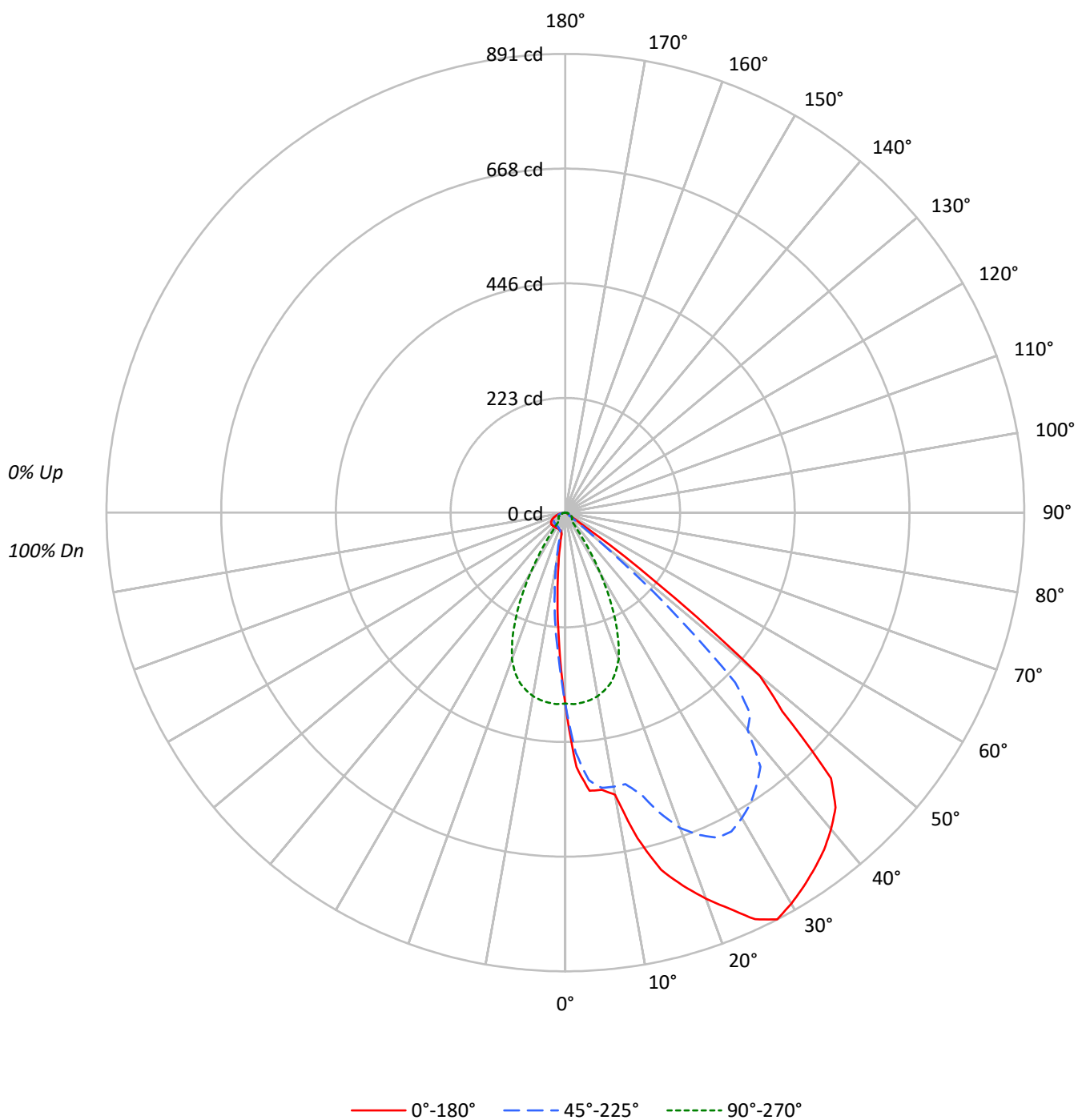
Lumens per Lamp: N/A
Luminaire Lumens: 704.1 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1311232

CATALOG NUMBER: P3SQAS09R709050DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311232

CATALOG NUMBER: P3SQAS09R709050DE010 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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64
5	84	74	66	61	82	73	66	60	71	65	60	69	64	59	67	62	59	57	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	63843	63843	63843	63843	63843
5°	93770	90174	64087	38258	29960
10°	97233	94575	63289	18292	7397
15°	128036	100845	60960	6544	6401
20°	146254	119459	55496	6286	6433
25°	165608	132373	43573	6081	6385
30°	174425	136302	27006	6046	6821
35°	177363	136029	8893	6223	7211
40°	180486	123741	4317	6655	7891
45°	177628	113621	4481	7015	8549
50°	132063	20979	4501	7716	9404
55°	10539	2883	4804	8167	10089
60°	2204	3031	4684	8267	10471
65°	2282	2934	4564	8150	10758
70°	2014	2820	4431	7654	10474
75°	1597	2662	3726	7453	10114
80°	1587	2380	3967	7141	9521
85°	1581	3162	4742	6323	7904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 179771 cd/sqm

TEST NUMBER: P1311232

CATALOG NUMBER: P3SQAS09R709050DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	4.8
10°-20°	94.9	13.5
20°-30°	159.3	22.6
30°-40°	191.5	27.2
40°-50°	151.8	21.6
50°-60°	48.6	6.9
60°-70°	13.6	1.9
70°-80°	8.1	1.2
80°-90°	2.6	0.4
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°	287.9	40.9
0°-40°	479.4	68.1
0°-60°	679.8	96.6
0°-90°	704.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	371	371	371	371	371	
5°	542	522	371	221	173	51
15°	718	566	342	37	36	202
25°	872	697	229	32	34	398
35°	844	647	42	30	34	528
45°	729	466	18	29	35	524
55°	35	10	16	27	34	110
65°	6	7	11	20	26	5
75°	2	4	6	11	15	3
85°	1	2	2	3	4	1
90°	0	0	0	0	0	

TEST NUMBER: P1311232

CATALOG NUMBER: P3SQAS09R709050DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7
2.5°	494.5	497.7	497.7	493.7	495.3	488.9	484.1	476.9	475.3	466.5	455.3
5°	542.4	540.8	540.8	537.6	539.2	536.8	534.4	532.8	528.0	521.6	515.2
7.5°	543.2	544.8	545.6	544.8	548.0	545.6	545.6	545.6	542.4	539.2	532.8
10°	556.0	553.6	551.2	545.6	542.4	540.0	540.0	540.8	542.4	540.8	536.8
12.5°	647.8	639.1	635.1	621.5	611.1	593.5	573.6	558.4	544.8	540.0	536.8
15°	718.1	716.5	708.6	695.8	683.0	662.2	639.1	615.9	591.1	565.6	547.2
17.5°	759.7	756.5	748.5	734.9	719.7	700.6	682.2	664.6	640.7	611.9	582.3
20°	798.0	790.8	780.4	764.5	749.3	730.9	711.0	694.2	674.2	651.8	617.5
22.5°	832.4	826.0	809.2	787.6	772.5	754.9	737.3	721.3	703.0	677.4	646.2
25°	871.5	857.1	830.0	802.0	783.6	769.3	756.5	743.7	724.5	696.6	659.8
27.5°	890.7	870.7	841.2	813.2	795.6	780.4	766.9	754.1	732.5	698.2	655.8
30°	877.1	865.9	845.2	823.6	809.2	794.8	778.9	759.7	725.3	685.4	646.2
32.5°	861.1	855.5	846.0	833.2	824.4	810.0	787.6	756.5	708.6	669.4	627.1
35°	843.6	841.2	838.0	832.4	826.8	813.2	785.2	739.7	691.8	647.0	606.3
37.5°	825.2	822.8	825.2	824.4	819.6	802.0	759.7	717.3	667.8	622.3	543.2
40°	802.8	801.2	805.2	809.2	803.6	780.4	734.9	683.8	639.9	550.4	523.2
42.5°	776.5	775.7	782.8	786.0	778.1	743.7	690.2	652.6	560.0	531.2	467.3
45°	729.3	730.9	734.1	738.1	733.3	695.8	647.0	578.3	537.6	466.5	266.0
47.5°	571.2	572.8	588.7	622.3	645.4	632.7	591.1	540.0	480.9	266.8	83.9
50°	492.9	491.3	492.1	500.1	518.4	536.0	523.2	495.3	286.8	78.3	10.4
52.5°	216.5	240.4	266.0	337.9	384.2	433.0	442.5	309.9	93.5	10.4	10.4
55°	35.1	36.7	46.3	67.9	122.2	184.5	223.7	103.8	9.6	9.6	9.6
57.5°	7.2	7.2	7.2	8.0	12.0	25.6	29.6	8.8	8.8	8.8	9.6
60°	6.4	6.4	6.4	6.4	7.2	7.2	7.2	8.0	8.0	8.8	8.8
62.5°	6.4	6.4	6.4	6.4	6.4	6.4	7.2	7.2	8.0	8.0	8.8
65°	5.6	5.6	5.6	5.6	6.4	6.4	6.4	6.4	7.2	7.2	8.0
67.5°	4.8	4.8	4.8	4.8	5.6	5.6	5.6	6.4	6.4	6.4	7.2
70°	4.0	4.0	4.0	4.0	4.8	4.8	4.8	4.8	5.6	5.6	5.6
72.5°	3.2	3.2	3.2	3.2	4.0	4.0	4.0	4.0	4.8	4.8	4.8
75°	2.4	2.4	3.2	3.2	3.2	3.2	3.2	3.2	4.0	4.0	4.0
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4
82.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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: P1311232

CATALOG NUMBER: P3SQAS09R709050DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7
2.5°	448.1	437.0	421.8	372.3	326.7	285.2	264.4	262.0
5°	504.9	494.5	468.9	370.7	283.6	221.3	183.7	173.3
7.5°	526.4	517.6	495.3	367.5	242.8	159.0	116.6	100.7
10°	532.0	526.4	507.3	361.9	200.5	104.6	55.1	42.3
12.5°	534.4	530.4	512.0	353.1	158.2	54.3	37.5	37.5
15°	538.4	534.4	516.8	341.9	116.6	36.7	35.9	35.9
17.5°	556.0	543.2	523.2	325.1	76.7	35.1	35.1	35.1
20°	584.7	556.8	526.4	302.8	47.9	34.3	34.3	35.1
22.5°	608.7	571.2	525.6	269.2	35.1	32.8	33.6	34.3
25°	619.1	577.5	518.4	229.3	30.4	32.0	33.6	33.6
27.5°	617.5	579.9	512.0	183.7	28.8	31.2	32.8	34.3
30°	608.7	573.6	497.7	135.8	27.2	30.4	32.8	34.3
32.5°	593.5	548.8	468.9	87.9	26.4	30.4	32.8	34.3
35°	544.0	508.8	427.4	42.3	25.6	29.6	33.6	34.3
37.5°	515.2	466.5	325.9	20.8	24.8	29.6	33.6	34.3
40°	468.9	348.3	147.0	19.2	24.8	29.6	33.6	35.1
42.5°	294.8	143.0	24.0	18.4	24.0	29.6	33.6	35.1
45°	107.8	19.2	12.8	18.4	24.0	28.8	33.6	35.1
47.5°	11.2	11.2	12.0	17.6	23.2	28.8	33.6	35.1
50°	10.4	11.2	12.0	16.8	22.4	28.8	32.8	35.1
52.5°	10.4	11.2	12.0	16.8	21.6	28.0	32.8	35.1
55°	10.4	11.2	11.2	16.0	20.8	27.2	32.0	33.6
57.5°	9.6	10.4	11.2	15.2	20.0	25.6	31.2	32.8
60°	9.6	10.4	11.2	13.6	19.2	24.0	29.6	30.4
62.5°	8.8	9.6	10.4	12.8	17.6	22.4	27.2	28.8
65°	8.8	8.8	9.6	11.2	16.0	20.0	24.8	26.4
67.5°	7.2	8.0	8.0	9.6	13.6	17.6	22.4	24.0
70°	6.4	6.4	7.2	8.8	12.0	15.2	19.2	20.8
72.5°	5.6	5.6	5.6	7.2	10.4	13.6	16.8	18.4
75°	4.8	4.8	4.8	5.6	8.8	11.2	14.4	15.2
77.5°	4.0	4.0	4.0	4.8	7.2	9.6	11.2	12.8
80°	3.2	3.2	3.2	4.0	5.6	7.2	8.8	9.6
82.5°	2.4	2.4	2.4	3.2	4.0	4.8	6.4	6.4
85°	1.6	1.6	1.6	2.4	2.4	3.2	4.0	4.0
87.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)