

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: P1310141

Luminaire Tested: P3SQAS09R609040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

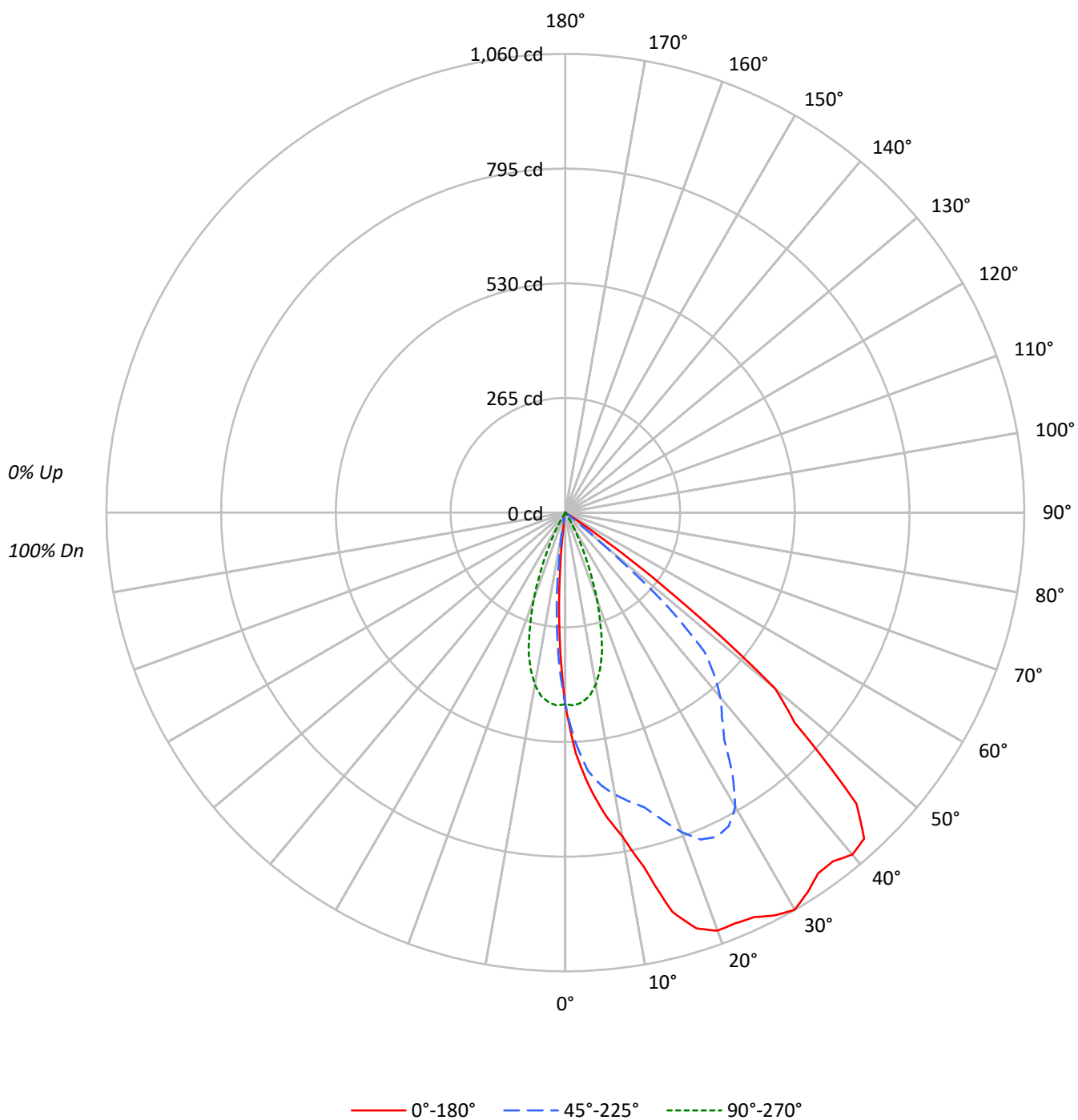
Lumens per Lamp: N/A
Luminaire Lumens: 719.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310141

CATALOG NUMBER: P3SQAS09R609040DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310141

CATALOG NUMBER: P3SQAS09R609040DE010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	76191	76191	76191	76191	76191
5°	109814	103417	76067	39192	25171
10°	132838	115630	70616	4687	2746
15°	170239	125611	58517	3085	2532
20°	188407	143981	39239	1723	293
25°	195955	157057	19288	152	0
30°	210698	156070	5330	0	0
35°	213987	134389	0	0	0
40°	231835	125293	0	0	0
45°	231601	110625	0	0	0
50°	169573	26793	0	0	0
55°	33089	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 231966 cd/sqm

TEST NUMBER: P1310141

CATALOG NUMBER: P3SQAS09R609040DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	5.3
10°-20°	108.2	15.0
20°-30°	172.4	24.0
30°-40°	199.3	27.7
40°-50°	158.3	22.0
50°-60°	41.7	5.8
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	318.6	44.3
0°-40°	517.9	72.0
0°-60°	717.8	99.8
0°-90°	719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	719.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	442	442	442	442	442	
5°	635	598	440	227	146	64
15°	955	704	328	17	14	266
25°	1031	826	102	1	0	481
35°	1018	639	0	0	0	646
45°	951	454	0	0	0	677
55°	110	0	0	0	0	166
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1310141

CATALOG NUMBER: P3SQAS09R609040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	556.5	562.0	559.7	557.3	551.8	549.4	549.4	543.1	532.9	531.3	524.2
5°	635.2	636.8	636.8	635.2	631.3	625.0	623.4	617.1	607.7	598.2	588.8
7.5°	703.7	702.9	698.2	695.0	688.0	679.3	671.4	662.8	648.6	636.0	622.6
10°	759.6	762.0	758.0	750.1	740.7	728.9	716.3	701.3	680.1	661.2	643.9
12.5°	838.3	837.5	827.3	813.9	791.1	769.0	749.4	732.8	706.9	684.0	662.8
15°	954.8	953.2	943.8	932.0	898.9	865.9	832.0	785.6	742.3	704.5	674.6
17.5°	1007.5	1010.7	1002.8	996.5	977.6	955.6	925.7	879.2	812.3	743.9	680.9
20°	1028.0	1031.9	1026.4	1025.6	1017.0	1006.8	982.4	932.0	866.6	785.6	707.6
22.5°	1027.2	1030.4	1028.0	1038.2	1048.5	1043.0	1013.1	962.7	895.8	817.8	729.7
25°	1031.2	1028.8	1020.1	1035.1	1050.0	1045.3	1030.4	987.1	913.9	826.5	737.6
27.5°	1049.3	1031.9	1014.6	1033.5	1040.6	1042.2	1033.5	982.4	910.7	817.1	721.8
30°	1059.5	1040.6	1026.4	1042.2	1042.2	1050.8	1032.7	974.5	884.0	784.8	680.1
32.5°	1040.6	1036.7	1049.3	1065.0	1068.9	1068.9	1028.8	948.5	839.1	718.7	613.2
35°	1017.8	1027.2	1063.4	1070.5	1070.5	1053.2	1004.4	902.9	772.2	639.2	563.6
37.5°	1015.4	1030.4	1070.5	1061.9	1047.7	1015.4	944.6	823.4	676.9	594.3	526.6
40°	1031.2	1045.3	1068.9	1037.5	1003.6	953.2	868.2	719.4	619.5	557.3	481.7
42.5°	1021.7	1035.1	1035.9	989.4	941.4	872.9	760.4	635.2	577.8	510.1	430.6
45°	950.9	952.4	949.3	899.7	850.1	779.3	659.6	593.5	532.1	454.2	316.4
47.5°	718.7	715.5	727.3	713.2	715.5	673.0	599.0	544.7	471.5	318.8	96.0
50°	632.9	628.9	617.1	604.5	591.9	571.5	536.8	478.6	340.0	100.0	3.1
52.5°	339.3	358.2	395.1	451.8	473.1	471.5	445.5	354.2	107.1	0.8	0.0
55°	110.2	108.6	121.2	143.3	196.8	226.7	236.1	120.4	2.4	0.0	0.0
57.5°	0.0	0.0	0.0	2.4	7.9	20.5	26.8	1.6	0.0	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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: P1310141

CATALOG NUMBER: P3SQAS09R609040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4
2.5°	514.8	503.8	491.2	446.3	393.6	342.4	305.4	296.0
5°	573.8	554.9	528.2	440.0	325.1	226.7	162.2	145.6
7.5°	604.5	588.0	559.7	427.4	251.9	111.8	41.7	28.3
10°	623.4	603.7	572.3	403.8	164.5	26.8	15.0	15.7
12.5°	636.8	614.0	578.6	370.0	83.4	13.4	18.9	19.7
15°	642.3	617.9	577.8	328.2	29.9	17.3	16.5	14.2
17.5°	639.2	608.5	567.5	268.4	10.2	16.5	8.7	7.1
20°	635.2	600.6	551.0	214.1	8.7	9.4	3.1	1.6
22.5°	647.8	587.2	528.2	153.5	8.7	3.1	0.0	0.0
25°	649.4	581.7	499.0	101.5	3.9	0.8	0.0	0.0
27.5°	633.7	549.4	454.2	59.8	0.0	0.0	0.0	0.0
30°	583.3	509.3	406.2	26.8	0.0	0.0	0.0	0.0
32.5°	533.7	464.4	352.6	6.3	0.0	0.0	0.0	0.0
35°	494.3	418.0	293.6	0.0	0.0	0.0	0.0	0.0
37.5°	445.5	362.9	218.8	0.0	0.0	0.0	0.0	0.0
40°	394.4	292.8	109.4	0.0	0.0	0.0	0.0	0.0
42.5°	307.8	139.3	11.0	0.0	0.0	0.0	0.0	0.0
45°	118.1	12.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)