Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1310131

Luminaire Tested: P3SQAS09R559040DE010 E3SQCA301MB

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1310131
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS09R559040DE010 E3SQCA301MB
Description:	3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	838.0 lumens
Efficiency:	N/A
Efficacy:	75.5 lumens/watt
Spacing Criteria (0/90/45):	1.95 / 0.53 / 1.27
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

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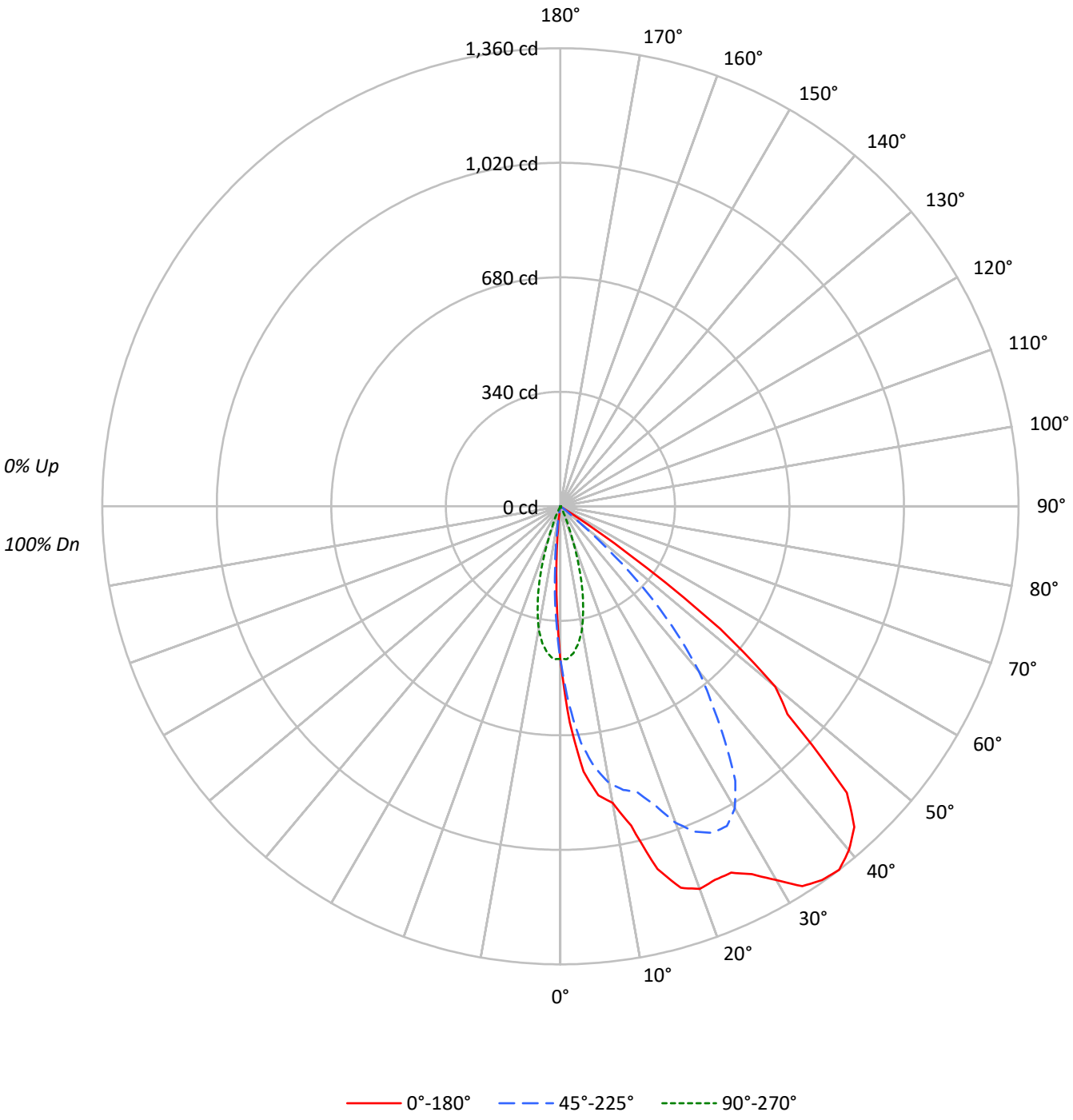
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	77982	77982	77982	77982	77982
5°	136697	121846	75704	31447	18101
10°	156447	145849	64723	3445	1242
15°	198820	156563	44378	695	428
20°	221543	183166	19482	0	0
25°	228070	203215	5530	0	0
30°	254806	205945	776	0	0
35°	284777	178813	0	0	0
40°	299574	143930	0	0	0
45°	292880	90921	0	0	0
50°	223026	18568	0	0	0
55°	73054	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	1587	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 292880 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	4.9
10°-20°	121.3	14.5
20°-30°	197.2	23.5
30°-40°	234.3	28.0
40°-50°	191.6	22.9
50°-60°	50.8	6.1
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	359.8	42.9
0°-40°	594.1	70.9
0°-60°	836.6	99.8
0°-90°	838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	453	453	453	453	453	
5°	791	705	438	182	105	78
15°	1115	878	249	4	2	312
25°	1200	1069	29	0	0	565
35°	1354	850	0	0	0	842
45°	1202	373	0	0	0	863
55°	243	0	0	0	0	274
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8
2.5°	642.6	637.9	638.7	636.3	638.7	628.4	617.4	607.2	599.3	588.3	521.3
5°	790.7	782.8	780.4	777.3	774.1	761.5	751.3	738.7	723.7	704.8	582.0
7.5°	865.5	859.2	856.0	857.6	850.5	845.8	832.4	818.2	802.5	782.0	627.6
10°	894.6	888.3	887.5	886.7	885.9	882.8	876.5	863.9	849.7	834.0	653.6
12.5°	971.0	956.8	947.4	936.4	923.0	905.6	891.5	880.4	874.9	862.3	665.4
15°	1115.1	1101.7	1091.5	1077.3	1052.1	1015.1	981.2	937.9	900.1	878.1	660.7
17.5°	1187.6	1181.3	1172.6	1163.2	1145.8	1119.1	1084.4	1038.7	990.7	928.5	637.9
20°	1208.8	1205.7	1199.4	1195.4	1183.6	1164.7	1141.1	1105.7	1060.8	999.4	602.4
22.5°	1200.2	1202.5	1205.7	1215.9	1217.5	1204.1	1182.1	1148.2	1102.5	1045.8	548.1
25°	1200.2	1198.6	1198.6	1219.9	1233.2	1226.9	1211.2	1180.5	1134.0	1069.4	481.2
27.5°	1230.9	1221.4	1201.7	1223.8	1245.8	1243.5	1229.3	1193.1	1141.1	1070.2	399.3
30°	1281.3	1260.8	1228.5	1249.0	1269.5	1260.8	1238.0	1191.5	1125.4	1035.6	299.3
32.5°	1337.2	1327.7	1311.2	1324.6	1321.4	1286.8	1245.8	1181.3	1093.1	966.3	201.6
35°	1354.5	1356.1	1345.1	1342.7	1324.6	1289.2	1245.8	1152.1	1025.3	850.5	119.7
37.5°	1360.0	1360.8	1343.5	1321.4	1294.7	1252.9	1201.0	1092.3	900.1	738.7	63.8
40°	1332.5	1331.7	1303.3	1276.6	1246.6	1205.7	1130.1	966.3	781.2	640.2	22.8
42.5°	1291.5	1281.3	1254.5	1221.4	1185.2	1134.0	1015.9	815.9	678.8	512.7	1.6
45°	1202.5	1193.1	1171.8	1136.4	1096.2	1023.8	837.1	700.9	552.0	373.3	0.0
47.5°	914.3	909.6	931.6	936.4	935.6	852.9	698.5	571.7	405.6	217.4	0.0
50°	832.4	826.1	804.0	775.7	725.3	656.0	559.9	423.7	237.8	69.3	0.0
52.5°	597.7	618.2	622.9	601.7	554.4	485.9	385.9	244.1	82.7	0.0	0.0
55°	243.3	230.7	240.2	252.0	261.5	240.2	178.0	86.6	0.8	0.0	0.0
57.5°	0.0	0.8	4.7	11.0	18.1	22.8	24.4	1.6	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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	0.8	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
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	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	452.8	452.8	452.8	452.8	452.8
2.5°	454.4	384.3	316.6	279.6	261.5
5°	437.9	293.7	181.9	126.0	104.7
7.5°	410.3	201.6	72.5	29.9	21.3
10°	370.1	115.8	19.7	7.9	7.1
12.5°	312.6	52.8	7.1	5.5	5.5
15°	248.9	18.1	3.9	3.2	2.4
17.5°	174.8	4.7	1.6	0.0	0.0
20°	106.3	0.8	0.0	0.0	0.0
22.5°	59.1	0.0	0.0	0.0	0.0
25°	29.1	0.0	0.0	0.0	0.0
27.5°	12.6	0.0	0.0	0.0	0.0
30°	3.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.0	0.0	0.0
67.5°	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.0	0.0	0.0
77.5°	1.6	0.8	0.8	0.0	0.0
80°	1.6	0.8	0.8	0.0	0.0
82.5°	1.6	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.0	0.0
87.5°	1.6	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)