

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: P1307895

Luminaire Tested: P3SQAS09R559030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307895
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: P3SQAS09R559030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

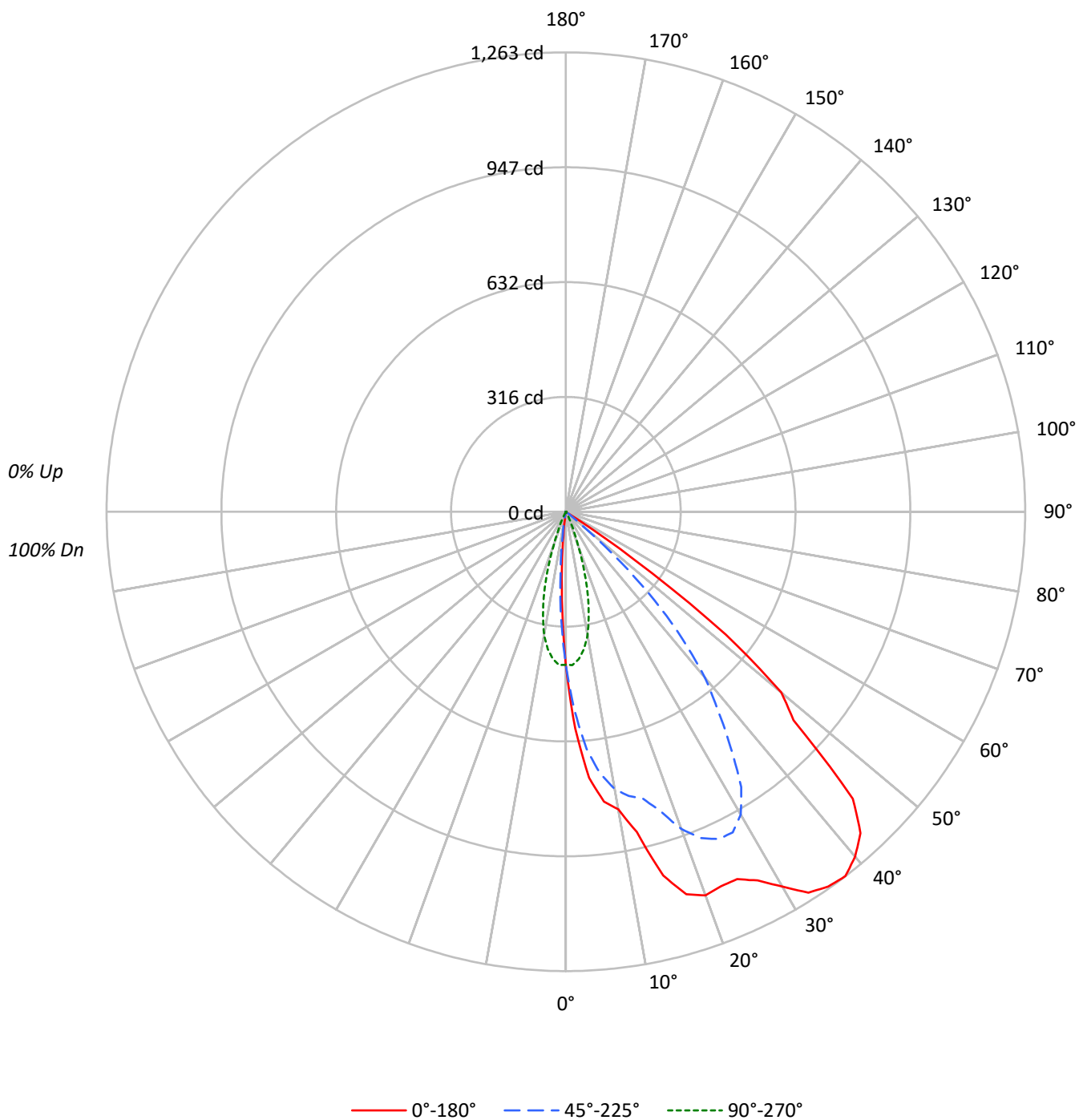
Lumens per Lamp: N/A
Luminaire Lumens: 778.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	84	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	75	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	68	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	72402	72402	72402	72402	72402
5°	126912	113133	70276	29200	16804
10°	145255	135409	60089	3200	1154
15°	184592	145349	41187	660	392
20°	205690	170043	18089	0	0
25°	211728	188677	5150	0	0
30°	236551	191189	736	0	0
35°	264383	166009	0	0	0
40°	278126	133633	0	0	0
45°	271910	84418	0	0	0
50°	207057	17228	0	0	0
55°	67829	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	1488	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 271910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	4.9
10°-20°	112.6	14.5
20°-30°	183.1	23.5
30°-40°	217.6	28.0
40°-50°	177.9	22.9
50°-60°	47.2	6.1
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°	334.0	42.9
0°-40°	551.6	70.9
0°-60°	776.7	99.8
0°-90°	778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	420	420	420	420	420	
5°	734	654	406	169	97	72
15°	1035	815	231	4	2	289
25°	1114	993	27	0	0	525
35°	1258	790	0	0	0	782
45°	1116	347	0	0	0	801
55°	226	0	0	0	0	254
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°	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4
2.5°	596.6	592.2	592.9	590.7	592.9	583.4	573.2	563.7	556.4	546.2	484.0
5°	734.1	726.7	724.5	721.6	718.7	707.0	697.5	685.8	671.9	654.4	540.3
7.5°	803.5	797.7	794.7	796.2	789.6	785.2	772.8	759.6	745.0	726.0	582.7
10°	830.6	824.7	824.0	823.2	822.5	819.6	813.7	802.0	788.9	774.3	606.8
12.5°	901.5	888.3	879.5	869.3	856.9	840.8	827.6	817.4	812.3	800.6	617.8
15°	1035.3	1022.8	1013.3	1000.2	976.8	942.4	911.0	870.8	835.7	815.2	613.4
17.5°	1102.5	1096.7	1088.6	1079.9	1063.8	1038.9	1006.8	964.4	919.8	862.0	592.2
20°	1122.3	1119.4	1113.5	1109.8	1098.9	1081.3	1059.4	1026.5	984.8	927.8	559.3
22.5°	1114.2	1116.4	1119.4	1128.9	1130.3	1117.9	1097.4	1066.0	1023.6	970.9	508.9
25°	1114.2	1112.8	1112.8	1132.5	1144.9	1139.1	1124.5	1096.0	1052.8	992.9	446.7
27.5°	1142.7	1134.0	1115.7	1136.2	1156.6	1154.4	1141.3	1107.7	1059.4	993.6	370.7
30°	1189.5	1170.5	1140.6	1159.6	1178.6	1170.5	1149.3	1106.2	1044.8	961.4	277.8
32.5°	1241.5	1232.7	1217.3	1229.8	1226.8	1194.7	1156.6	1096.7	1014.8	897.1	187.2
35°	1257.5	1259.0	1248.8	1246.6	1229.8	1196.9	1156.6	1069.6	951.9	789.6	111.1
37.5°	1262.7	1263.4	1247.3	1226.8	1202.0	1163.2	1115.0	1014.1	835.7	685.8	59.2
40°	1237.1	1236.3	1210.0	1185.2	1157.4	1119.4	1049.2	897.1	725.3	594.4	21.2
42.5°	1199.0	1189.5	1164.7	1134.0	1100.3	1052.8	943.2	757.4	630.2	476.0	1.5
45°	1116.4	1107.7	1087.9	1055.0	1017.7	950.5	777.2	650.7	512.5	346.6	0.0
47.5°	848.8	844.5	864.9	869.3	868.6	791.8	648.5	530.8	376.5	201.8	0.0
50°	772.8	767.0	746.5	720.2	673.4	609.0	519.8	393.3	220.8	64.3	0.0
52.5°	554.9	573.9	578.3	558.6	514.7	451.1	358.3	226.6	76.8	0.0	0.0
55°	225.9	214.2	223.0	234.0	242.7	223.0	165.2	80.4	0.7	0.0	0.0
57.5°	0.0	0.7	4.4	10.2	16.8	21.2	22.7	1.5	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	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	420.4	420.4	420.4	420.4	420.4
2.5°	421.9	356.8	293.9	259.5	242.7
5°	406.5	272.7	168.9	117.0	97.2
7.5°	380.9	187.2	67.3	27.8	19.7
10°	343.6	107.5	18.3	7.3	6.6
12.5°	290.3	49.0	6.6	5.1	5.1
15°	231.0	16.8	3.7	2.9	2.2
17.5°	162.3	4.4	1.5	0.0	0.0
20°	98.7	0.7	0.0	0.0	0.0
22.5°	54.8	0.0	0.0	0.0	0.0
25°	27.1	0.0	0.0	0.0	0.0
27.5°	11.7	0.0	0.0	0.0	0.0
30°	3.7	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°	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.0	0.0	0.0
77.5°	1.5	0.7	0.7	0.0	0.0
80°	1.5	0.7	0.7	0.0	0.0
82.5°	1.5	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.5	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)