

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: P1309013

Luminaire Tested: P3SQAS09R559035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309013
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: P3SQAS09R559035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

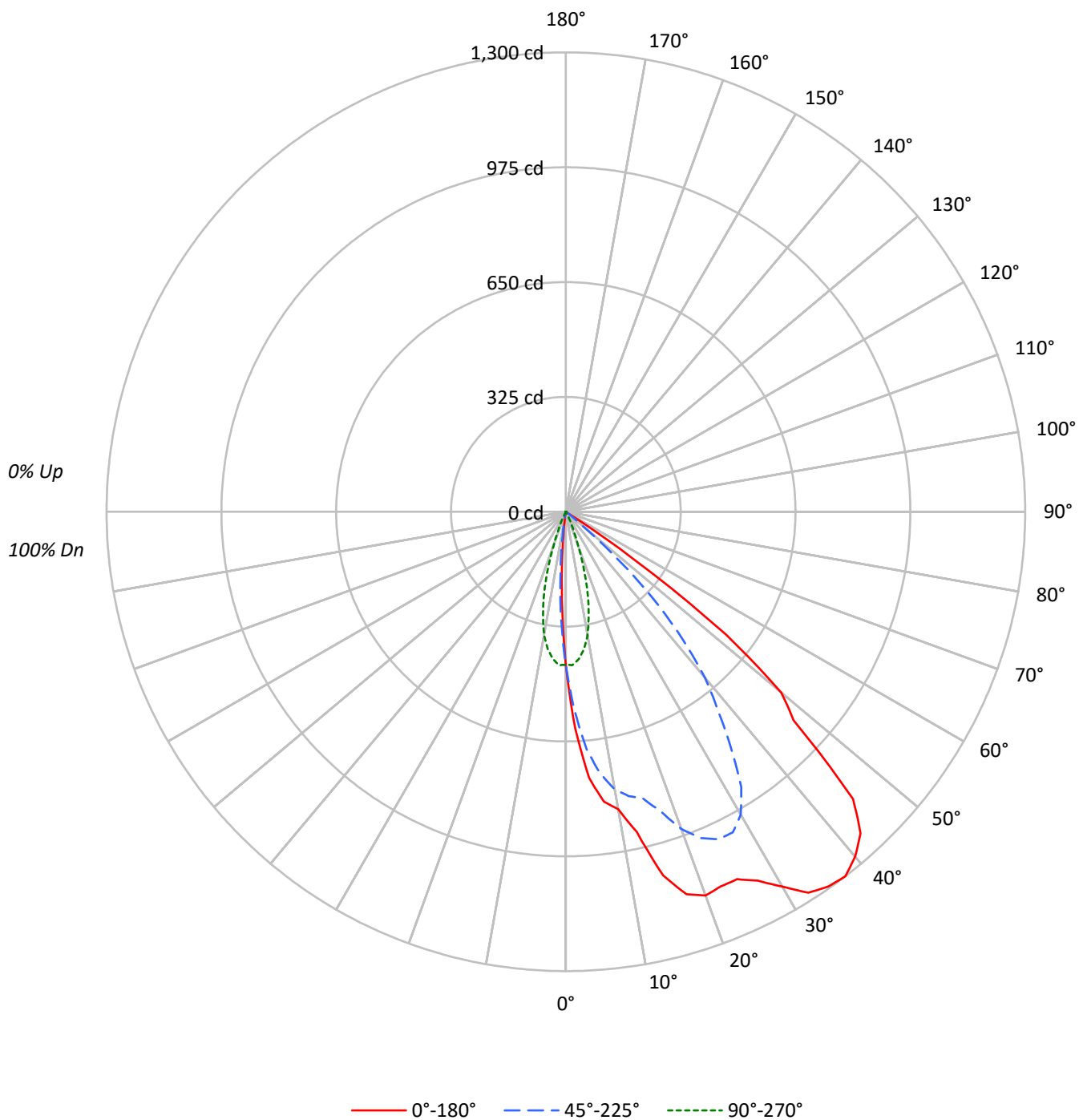
Lumens per Lamp: N/A
Luminaire Lumens: 801.1 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309013

CATALOG NUMBER: P3SQAS09R559035DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309013

CATALOG NUMBER: P3SQAS09R559035DE010 E3SQCA301MB

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	50	30	10
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°	74538	74538	74538	74538	74538
5°	130663	116470	72350	30064	17305
10°	149539	139414	61872	3288	1189
15°	190048	149646	42417	678	410
20°	211775	175065	18621	0	0
25°	217999	194245	5302	0	0
30°	243551	196857	756	0	0
35°	272204	170929	0	0	0
40°	286332	137590	0	0	0
45°	279947	86902	0	0	0
50°	213166	17737	0	0	0
55°	69841	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	1488	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 279947 cd/sqm

TEST NUMBER: P1309013

CATALOG NUMBER: P3SQAS09R559035DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	4.9
10°-20°	115.9	14.5
20°-30°	188.5	23.5
30°-40°	224.0	28.0
40°-50°	183.2	22.9
50°-60°	48.6	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°	343.9	42.9
0°-40°	567.9	70.9
0°-60°	799.6	99.8
0°-90°	801.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	433	433	433	433	433	
5°	756	674	418	174	100	74
15°	1066	839	238	4	2	298
25°	1147	1022	28	0	0	540
35°	1295	813	0	0	0	805
45°	1149	357	0	0	0	825
55°	233	0	0	0	0	261
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: P1309013

CATALOG NUMBER: P3SQAS09R559035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	432.8	432.8	432.8	432.8	432.8	432.8	432.8	432.8	432.8	432.8	432.8
2.5°	614.2	609.7	610.5	608.2	610.5	600.7	590.1	580.4	572.8	562.3	498.3
5°	755.8	748.2	746.0	743.0	739.9	727.9	718.1	706.1	691.8	673.7	556.3
7.5°	827.3	821.2	818.2	819.7	813.0	808.4	795.6	782.1	767.0	747.5	599.9
10°	855.1	849.1	848.3	847.6	846.8	843.8	837.8	825.8	812.2	797.2	624.8
12.5°	928.1	914.6	905.5	895.0	882.2	865.7	852.1	841.6	836.3	824.3	636.1
15°	1065.9	1053.1	1043.3	1029.7	1005.7	970.3	937.9	896.5	860.4	839.3	631.5
17.5°	1135.1	1129.1	1120.8	1111.8	1095.2	1069.6	1036.5	992.9	946.9	887.5	609.7
20°	1155.5	1152.4	1146.4	1142.7	1131.4	1113.3	1090.7	1056.8	1013.9	955.2	575.8
22.5°	1147.2	1149.4	1152.4	1162.2	1163.7	1150.9	1129.9	1097.5	1053.8	999.6	523.9
25°	1147.2	1145.7	1145.7	1166.0	1178.8	1172.8	1157.7	1128.4	1083.9	1022.2	459.9
27.5°	1176.5	1167.5	1148.7	1169.8	1190.8	1188.6	1175.0	1140.4	1090.7	1023.0	381.6
30°	1224.7	1205.1	1174.3	1193.8	1213.4	1205.1	1183.3	1138.9	1075.7	989.9	286.0
32.5°	1278.2	1269.1	1253.3	1266.1	1263.1	1230.0	1190.8	1129.1	1044.8	923.6	192.7
35°	1294.7	1296.2	1285.7	1283.4	1266.1	1232.2	1190.8	1101.3	980.1	813.0	114.4
37.5°	1300.0	1300.7	1284.2	1263.1	1237.5	1197.6	1147.9	1044.1	860.4	706.1	61.0
40°	1273.6	1272.9	1245.8	1220.2	1191.6	1152.4	1080.2	923.6	746.7	612.0	21.8
42.5°	1234.5	1224.7	1199.1	1167.5	1132.9	1083.9	971.0	779.8	648.9	490.0	1.5
45°	1149.4	1140.4	1120.1	1086.2	1047.8	978.6	800.2	669.9	527.7	356.8	0.0
47.5°	873.9	869.4	890.5	895.0	894.3	815.2	667.7	546.5	387.7	207.8	0.0
50°	795.6	789.6	768.5	741.4	693.3	627.0	535.2	405.0	227.3	66.2	0.0
52.5°	571.3	590.9	595.4	575.1	529.9	464.4	368.8	233.3	79.0	0.0	0.0
55°	232.6	220.6	229.6	240.9	249.9	229.6	170.1	82.8	0.8	0.0	0.0
57.5°	0.0	0.8	4.5	10.5	17.3	21.8	23.3	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	0.8
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	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
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



TEST NUMBER: P1309013

CATALOG NUMBER: P3SQAS09R559035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	432.8	432.8	432.8	432.8	432.8
2.5°	434.3	367.3	302.6	267.2	249.9
5°	418.5	280.8	173.9	120.4	100.1
7.5°	392.2	192.7	69.3	28.6	20.3
10°	353.8	110.7	18.8	7.5	6.8
12.5°	298.8	50.4	6.8	5.3	5.3
15°	237.9	17.3	3.8	3.0	2.3
17.5°	167.1	4.5	1.5	0.0	0.0
20°	101.6	0.8	0.0	0.0	0.0
22.5°	56.5	0.0	0.0	0.0	0.0
25°	27.9	0.0	0.0	0.0	0.0
27.5°	12.0	0.0	0.0	0.0	0.0
30°	3.8	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°	1.5	0.8	0.8	0.0	0.0
80°	1.5	0.8	0.8	0.0	0.0
82.5°	1.5	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.0	0.0
87.5°	1.5	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)