

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: P1306153

Luminaire Tested: P3SQASS17R709024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R709024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

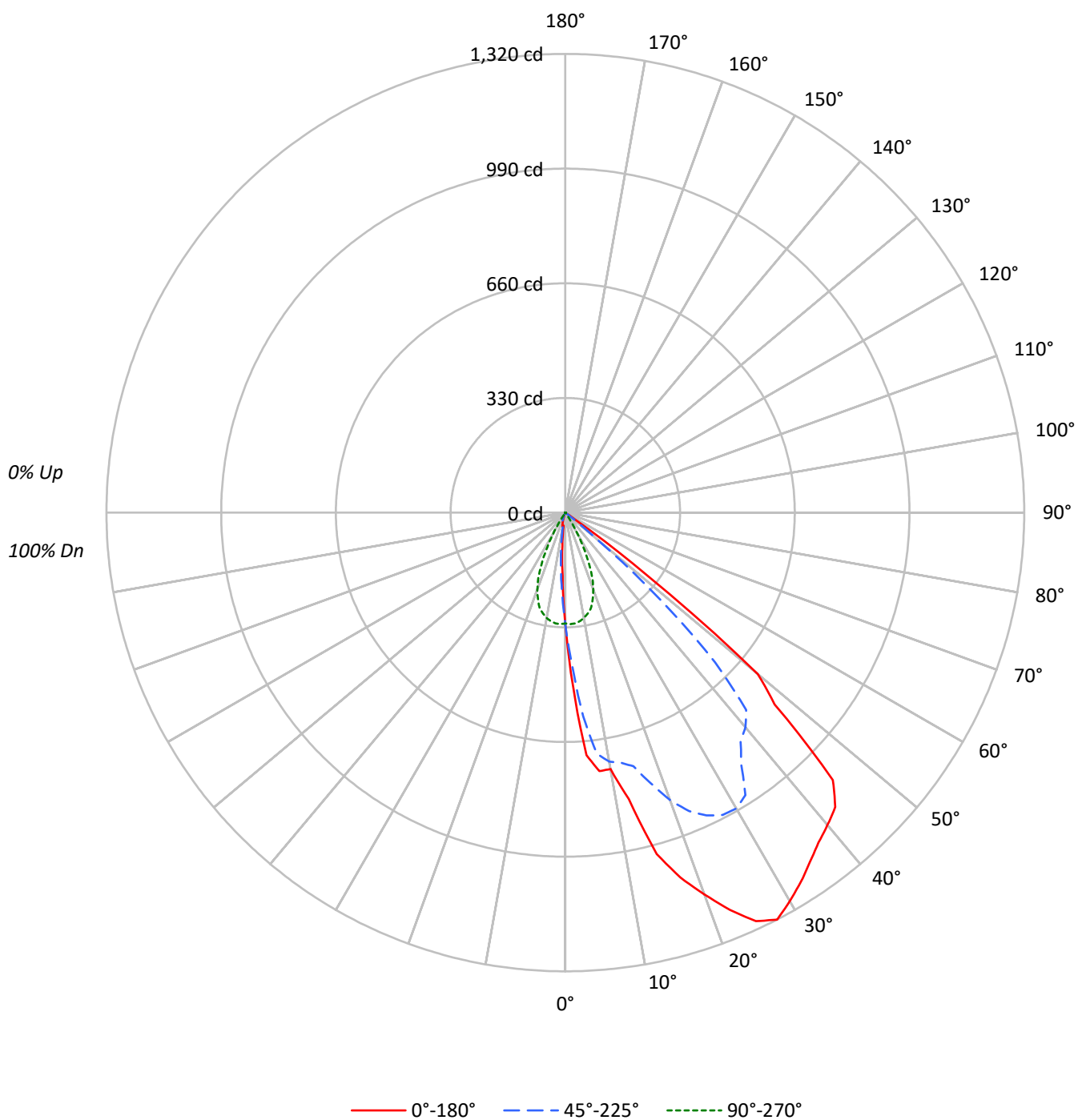
Lumens per Lamp: N/A
Luminaire Lumens: 859.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54905	54905	54905	54905	54905
5°	121120	101636	55322	25154	16562
10°	131002	127190	53845	6995	7205
15°	181329	134651	50797	7132	5188
20°	214157	161282	43106	4215	1558
25°	246465	182673	30404	684	0
30°	256735	195505	13980	0	0
35°	257908	185289	757	0	0
40°	263805	181228	0	0	0
45°	265115	148498	0	0	0
50°	193580	30866	0	0	0
55°	10930	0	0	0	0
60°	0	413	413	0	0
65°	0	0	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	1190	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 270156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	4.1
10°-20°	116.5	13.6
20°-30°	209.3	24.4
30°-40°	254.5	29.6
40°-50°	196.5	22.9
50°-60°	45.7	5.3
60°-70°	0.3	0.0
70°-80°	0.6	0.1
80°-90°	0.7	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°	360.7	42.0
0°-40°	615.2	71.6
0°-60°	857.4	99.8
0°-90°	859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	859.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	319	319	319	319	319	
5°	701	588	320	146	96	66
15°	1017	755	285	40	29	284
25°	1297	961	160	4	0	590
35°	1227	881	4	0	0	771
45°	1088	610	0	0	0	769
55°	36	0	0	0	0	149
65°	0	0	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°	50°
0°	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8
2.5°	497.0	497.0	499.4	498.2	487.3	482.5	466.7	458.2	455.8	436.4	429.1
5°	700.6	701.9	695.8	694.6	682.5	674.0	660.6	640.0	619.4	587.9	560.0
7.5°	750.3	749.1	747.9	747.9	745.5	740.6	734.6	728.5	720.0	700.6	678.8
10°	749.1	749.1	747.9	747.9	746.7	747.9	746.7	743.1	739.4	727.3	715.2
12.5°	843.7	836.4	826.7	812.2	787.9	769.7	749.1	743.1	740.6	737.0	729.7
15°	1017.0	1011.0	990.4	964.9	940.7	899.4	866.7	821.9	786.7	755.2	739.4
17.5°	1100.7	1104.3	1081.3	1065.5	1042.5	1009.8	971.0	924.9	875.2	815.8	768.5
20°	1168.5	1172.2	1152.8	1137.0	1110.4	1076.4	1042.5	992.8	945.5	880.0	818.2
22.5°	1237.6	1240.1	1221.9	1198.9	1168.5	1133.4	1089.8	1038.8	987.9	929.7	864.3
25°	1297.0	1294.6	1264.3	1231.6	1202.5	1164.9	1122.5	1072.8	1024.3	961.3	899.4
27.5°	1320.1	1318.9	1284.9	1253.4	1219.5	1168.5	1131.0	1087.3	1036.4	980.7	917.6
30°	1291.0	1310.4	1288.6	1265.5	1224.3	1173.4	1137.0	1084.9	1037.6	983.1	911.6
32.5°	1260.7	1284.9	1277.6	1266.7	1218.2	1178.2	1131.0	1082.5	1026.7	963.7	854.6
35°	1226.7	1252.2	1253.4	1241.3	1197.6	1157.6	1114.0	1063.1	1000.1	881.3	801.3
37.5°	1196.4	1220.7	1227.9	1202.5	1168.5	1115.2	1075.2	1021.9	907.9	827.9	786.7
40°	1173.4	1191.6	1202.5	1162.5	1128.5	1076.4	1030.4	937.0	834.0	806.1	747.9
42.5°	1149.2	1166.1	1171.0	1127.3	1075.2	1025.5	958.8	841.3	811.0	769.7	613.4
45°	1088.5	1109.2	1097.0	1054.6	1015.8	963.7	864.3	813.4	780.6	609.7	377.0
47.5°	817.0	840.0	872.8	884.9	898.2	860.7	806.1	787.9	641.2	369.7	117.6
50°	722.5	718.8	718.8	724.9	735.8	747.9	763.7	664.3	385.5	115.2	0.0
52.5°	294.6	309.1	380.6	444.9	518.8	592.8	615.8	407.3	150.3	2.4	0.0
55°	36.4	36.4	50.9	87.3	144.3	232.7	261.8	130.9	10.9	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	9.7	26.7	18.2	4.8	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8
2.5°	417.0	402.4	381.8	321.2	269.1	223.0	196.4	183.0
5°	533.4	498.2	450.9	320.0	218.2	145.5	109.1	95.8
7.5°	644.9	604.9	524.9	315.2	167.3	84.9	47.3	37.6
10°	693.4	664.3	592.8	307.9	121.2	40.0	40.0	41.2
12.5°	712.8	690.9	632.8	297.0	80.0	38.8	41.2	38.8
15°	726.1	705.5	652.2	284.9	46.1	40.0	32.7	29.1
17.5°	733.4	709.1	658.2	261.8	30.3	33.9	20.6	17.0
20°	756.4	717.6	663.1	235.2	29.1	23.0	10.9	8.5
22.5°	795.2	734.6	664.3	202.4	23.0	13.3	3.6	0.0
25°	830.3	757.6	667.9	160.0	7.3	3.6	0.0	0.0
27.5°	847.3	764.9	666.7	112.7	0.0	0.0	0.0	0.0
30°	826.7	746.7	655.8	70.3	0.0	0.0	0.0	0.0
32.5°	778.2	733.4	621.9	30.3	0.0	0.0	0.0	0.0
35°	762.5	704.3	544.3	3.6	0.0	0.0	0.0	0.0
37.5°	727.3	620.6	400.0	0.0	0.0	0.0	0.0	0.0
40°	625.5	448.5	190.3	0.0	0.0	0.0	0.0	0.0
42.5°	413.4	191.5	10.9	0.0	0.0	0.0	0.0	0.0
45°	145.5	12.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.4	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°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
70°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)