

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: P1309203

Luminaire Tested: P3SQAS13R709035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309203
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: P3SQAS13R709035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

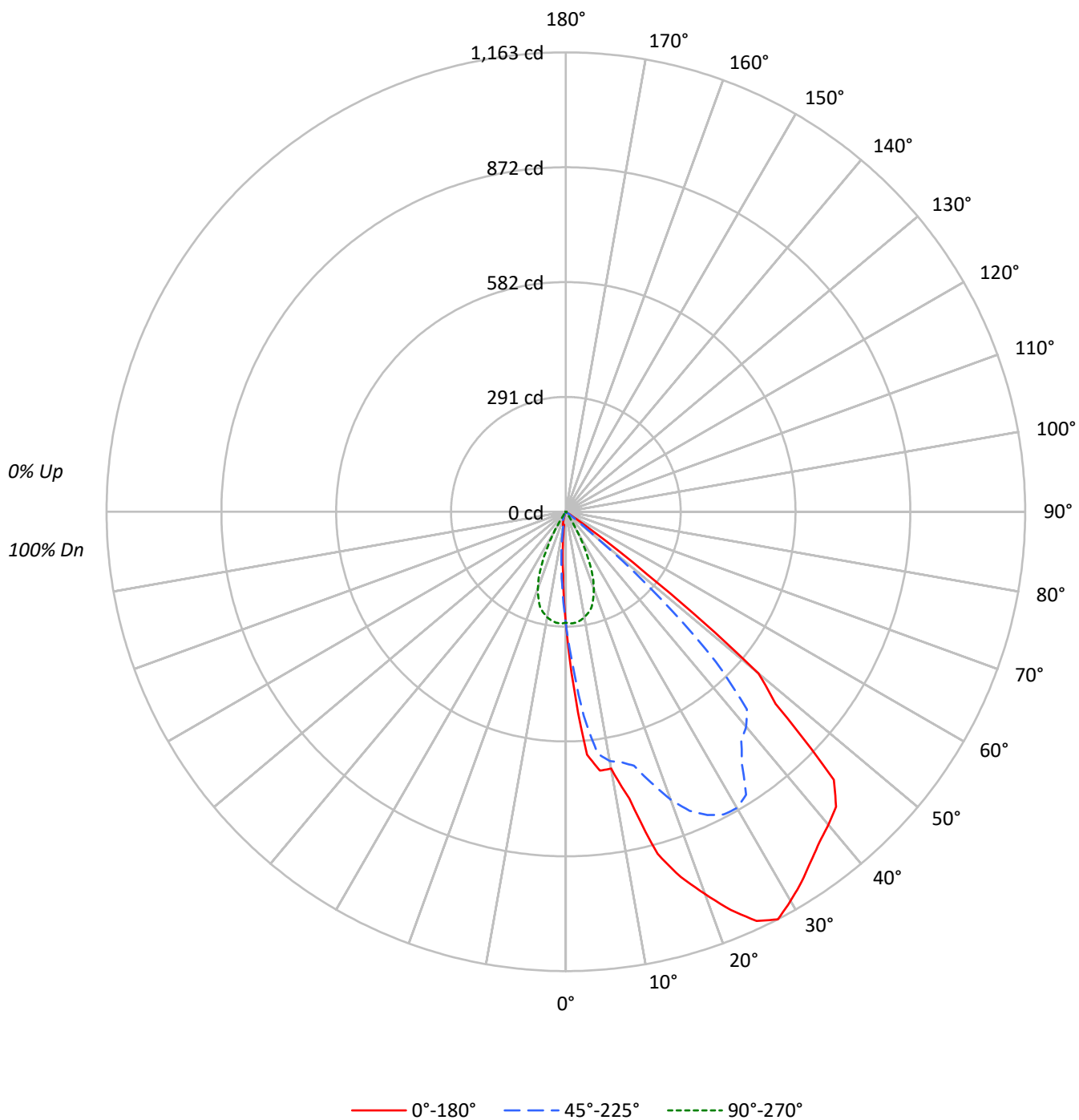
Lumens per Lamp: N/A
Luminaire Lumens: 757.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	90	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°	48377	48377	48377	48377	48377
5°	106736	89569	48752	22163	14591
10°	115455	112080	47445	6173	6348
15°	159808	118657	44753	6294	4564
20°	188737	142130	37975	3720	1375
25°	217200	160972	26794	608	0
30°	226249	172277	12330	0	0
35°	227296	163276	673	0	0
40°	232487	159713	0	0	0
45°	233647	130865	0	0	0
50°	170592	27195	0	0	0
55°	9608	0	0	0	0
60°	0	379	379	0	0
65°	0	0	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	1091	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 238055 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	4.1
10°-20°	102.6	13.6
20°-30°	184.5	24.4
30°-40°	224.3	29.6
40°-50°	173.2	22.9
50°-60°	40.3	5.3
60°-70°	0.3	0.0
70°-80°	0.6	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°	317.9	42.0
0°-40°	542.1	71.6
0°-60°	755.6	99.8
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	281	281	281	281	281	
5°	617	518	282	128	84	58
15°	896	666	251	35	26	251
25°	1143	847	141	3	0	520
35°	1081	777	3	0	0	679
45°	959	537	0	0	0	678
55°	32	0	0	0	0	132
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°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	438.0	438.0	440.1	439.0	429.4	425.2	411.3	403.8	401.7	384.6	378.2
5°	617.4	618.5	613.2	612.1	601.4	593.9	582.2	564.0	545.9	518.1	493.5
7.5°	661.2	660.2	659.1	659.1	657.0	652.7	647.4	642.0	634.5	617.4	598.2
10°	660.2	660.2	659.1	659.1	658.0	659.1	658.0	654.8	651.6	640.9	630.3
12.5°	743.5	737.1	728.5	715.7	694.4	678.3	660.2	654.8	652.7	649.5	643.1
15°	896.3	890.9	872.8	850.3	829.0	792.6	763.8	724.3	693.3	665.5	651.6
17.5°	970.0	973.2	952.9	939.0	918.7	889.9	855.7	815.1	771.3	718.9	677.3
20°	1029.8	1033.0	1015.9	1002.0	978.5	948.6	918.7	874.9	833.2	775.5	721.1
22.5°	1090.7	1092.8	1076.8	1056.5	1029.8	998.8	960.4	915.5	870.6	819.3	761.7
25°	1143.0	1140.9	1114.2	1085.3	1059.7	1026.6	989.2	945.4	902.7	847.1	792.6
27.5°	1163.3	1162.3	1132.3	1104.6	1074.7	1029.8	996.7	958.2	913.4	864.2	808.7
30°	1137.7	1154.8	1135.5	1115.3	1078.9	1034.1	1002.0	956.1	914.4	866.3	803.3
32.5°	1111.0	1132.3	1125.9	1116.3	1073.6	1038.3	996.7	953.9	904.8	849.3	753.1
35°	1081.1	1103.5	1104.6	1093.9	1055.4	1020.2	981.7	936.9	881.3	776.6	706.1
37.5°	1054.4	1075.7	1082.1	1059.7	1029.8	982.8	947.5	900.5	800.1	729.6	693.3
40°	1034.1	1050.1	1059.7	1024.4	994.5	948.6	908.0	825.8	735.0	710.4	659.1
42.5°	1012.7	1027.7	1031.9	993.5	947.5	903.7	845.0	741.4	714.7	678.3	540.5
45°	959.3	977.4	966.8	929.4	895.2	849.3	761.7	716.8	688.0	537.3	332.2
47.5°	720.0	740.3	769.1	779.8	791.6	758.5	710.4	694.4	565.1	325.8	103.6
50°	636.7	633.5	633.5	638.8	648.4	659.1	673.0	585.4	339.7	101.5	0.0
52.5°	259.6	272.4	335.4	392.0	457.2	522.4	542.7	358.9	132.5	2.1	0.0
55°	32.0	32.0	44.9	76.9	127.1	205.1	230.7	115.4	9.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	8.5	23.5	16.0	4.3	1.1	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
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°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	367.5	354.7	336.5	283.1	237.2	196.6	173.1	161.3
5°	470.0	439.0	397.4	282.0	192.3	128.2	96.1	84.4
7.5°	568.3	533.1	462.6	277.7	147.4	74.8	41.7	33.1
10°	611.0	585.4	522.4	271.3	106.8	35.3	35.3	36.3
12.5°	628.1	608.9	557.6	261.7	70.5	34.2	36.3	34.2
15°	639.9	621.7	574.7	251.0	40.6	35.3	28.8	25.6
17.5°	646.3	624.9	580.1	230.7	26.7	29.9	18.2	15.0
20°	666.6	632.4	584.3	207.2	25.6	20.3	9.6	7.5
22.5°	700.8	647.4	585.4	178.4	20.3	11.8	3.2	0.0
25°	731.7	667.7	588.6	141.0	6.4	3.2	0.0	0.0
27.5°	746.7	674.1	587.5	99.3	0.0	0.0	0.0	0.0
30°	728.5	658.0	577.9	62.0	0.0	0.0	0.0	0.0
32.5°	685.8	646.3	548.0	26.7	0.0	0.0	0.0	0.0
35°	671.9	620.7	479.6	3.2	0.0	0.0	0.0	0.0
37.5°	640.9	546.9	352.5	0.0	0.0	0.0	0.0	0.0
40°	551.2	395.3	167.7	0.0	0.0	0.0	0.0	0.0
42.5°	364.3	168.8	9.6	0.0	0.0	0.0	0.0	0.0
45°	128.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.1	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°	1.1	1.1	1.1	1.1	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	1.1	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
70°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	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)