

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: P1306954

Luminaire Tested: P3SQAS13R609027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

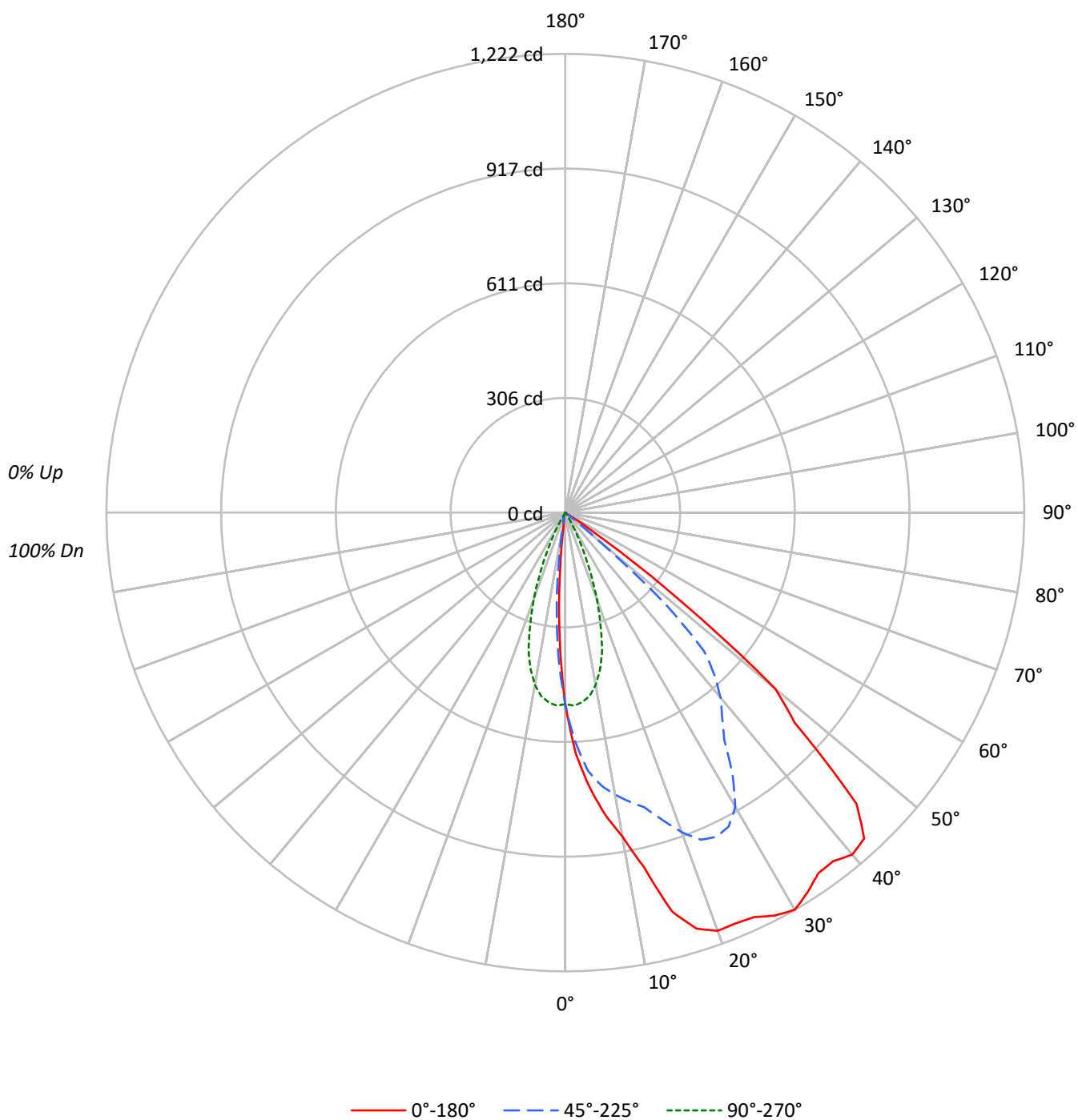
Lumens per Lamp: N/A
Luminaire Lumens: 829.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	87851	87851	87851	87851	87851
5°	126618	119253	87702	45191	29027
10°	153159	133328	81424	5404	3183
15°	196288	144831	67486	3566	2906
20°	217236	166011	45251	1998	330
25°	225923	181076	22252	171	0
30°	242934	179934	6145	0	0
35°	246723	154930	0	0	0
40°	267289	144470	0	0	0
45°	267014	127552	0	0	0
50°	195509	30892	0	0	0
55°	38163	0	0	0	0
60°	0	0	0	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	893	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 267477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	5.3
10°-20°	124.8	15.0
20°-30°	198.8	24.0
30°-40°	229.8	27.7
40°-50°	182.5	22.0
50°-60°	48.0	5.8
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°	367.3	44.3
0°-40°	597.1	72.0
0°-60°	827.6	99.8
0°-90°	829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	510	510	510	510	510	
5°	732	690	507	261	168	74
15°	1101	812	378	20	16	307
25°	1189	953	117	1	0	554
35°	1174	737	0	0	0	745
45°	1096	524	0	0	0	781
55°	127	0	0	0	0	192
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°	50°
0°	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1
2.5°	641.7	648.0	645.3	642.6	636.2	633.5	633.5	626.2	614.4	612.6	604.4
5°	732.4	734.2	734.2	732.4	727.9	720.6	718.8	711.5	700.6	689.8	678.9
7.5°	811.4	810.5	805.0	801.4	793.2	783.2	774.2	764.2	747.8	733.3	717.9
10°	875.8	878.5	874.0	864.9	854.0	840.4	825.9	808.6	784.1	762.4	742.4
12.5°	966.6	965.7	953.9	938.4	912.1	886.7	864.0	844.9	815.0	788.7	764.2
15°	1100.9	1099.1	1088.2	1074.6	1036.4	998.3	959.3	905.8	855.8	812.3	777.8
17.5°	1161.7	1165.3	1156.2	1149.0	1127.2	1101.8	1067.3	1013.8	936.6	857.7	785.0
20°	1185.3	1189.8	1183.5	1182.6	1172.6	1160.8	1132.6	1074.6	999.2	905.8	815.9
22.5°	1184.4	1188.0	1185.3	1197.1	1208.9	1202.5	1168.0	1110.0	1032.8	943.0	841.3
25°	1188.9	1186.2	1176.2	1193.5	1210.7	1205.3	1188.0	1138.1	1053.7	952.9	850.4
27.5°	1209.8	1189.8	1169.9	1191.6	1199.8	1201.6	1191.6	1132.6	1050.1	942.1	832.2
30°	1221.6	1199.8	1183.5	1201.6	1201.6	1211.6	1190.7	1123.6	1019.2	904.8	784.1
32.5°	1199.8	1195.3	1209.8	1227.9	1232.5	1232.5	1186.2	1093.6	967.5	828.6	707.0
35°	1173.5	1184.4	1226.1	1234.3	1234.3	1214.3	1158.1	1041.0	890.3	736.9	649.8
37.5°	1170.8	1188.0	1234.3	1224.3	1208.0	1170.8	1089.1	949.3	780.5	685.2	607.2
40°	1188.9	1205.3	1232.5	1196.2	1157.2	1099.1	1001.0	829.5	714.3	642.6	555.4
42.5°	1178.0	1193.5	1194.4	1140.8	1085.5	1006.5	876.7	732.4	666.2	588.1	496.4
45°	1096.3	1098.2	1094.5	1037.4	980.2	898.5	760.5	684.3	613.5	523.7	364.8
47.5°	828.6	825.0	838.6	822.3	825.0	776.0	690.7	628.0	543.6	367.6	110.7
50°	729.7	725.1	711.5	697.0	682.5	658.9	619.0	551.8	392.1	115.3	3.6
52.5°	391.2	412.9	455.6	520.9	545.4	543.6	513.7	408.4	123.4	0.9	0.0
55°	127.1	125.2	139.8	165.2	226.9	261.4	272.3	138.9	2.7	0.0	0.0
57.5°	0.0	0.0	0.0	2.7	9.1	23.6	30.9	1.8	0.0	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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°	510.1	510.1	510.1	510.1	510.1	510.1	510.1	510.1
2.5°	593.6	580.8	566.3	514.6	453.8	394.8	352.1	341.2
5°	661.6	639.8	609.0	507.3	374.8	261.4	187.0	167.9
7.5°	697.0	678.0	645.3	492.8	290.4	128.9	48.1	32.7
10°	718.8	696.1	659.8	465.6	189.7	30.9	17.2	18.2
12.5°	734.2	707.9	667.1	426.6	96.2	15.4	21.8	22.7
15°	740.6	712.4	666.2	378.5	34.5	20.0	19.1	16.3
17.5°	736.9	701.6	654.4	309.5	11.8	19.1	10.0	8.2
20°	732.4	692.5	635.3	246.9	10.0	10.9	3.6	1.8
22.5°	746.9	677.0	609.0	177.0	10.0	3.6	0.0	0.0
25°	748.7	670.7	575.4	117.1	4.5	0.9	0.0	0.0
27.5°	730.6	633.5	523.7	69.0	0.0	0.0	0.0	0.0
30°	672.5	587.2	468.3	30.9	0.0	0.0	0.0	0.0
32.5°	615.3	535.5	406.6	7.3	0.0	0.0	0.0	0.0
35°	570.0	481.9	338.5	0.0	0.0	0.0	0.0	0.0
37.5°	513.7	418.4	252.3	0.0	0.0	0.0	0.0	0.0
40°	454.7	337.6	126.2	0.0	0.0	0.0	0.0	0.0
42.5°	354.9	160.6	12.7	0.0	0.0	0.0	0.0	0.0
45°	136.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7.3	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°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
65°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
67.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
70°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)