

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: P1305982

Luminaire Tested: P3SQAS13R609024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305982
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: P3SQAS13R609024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

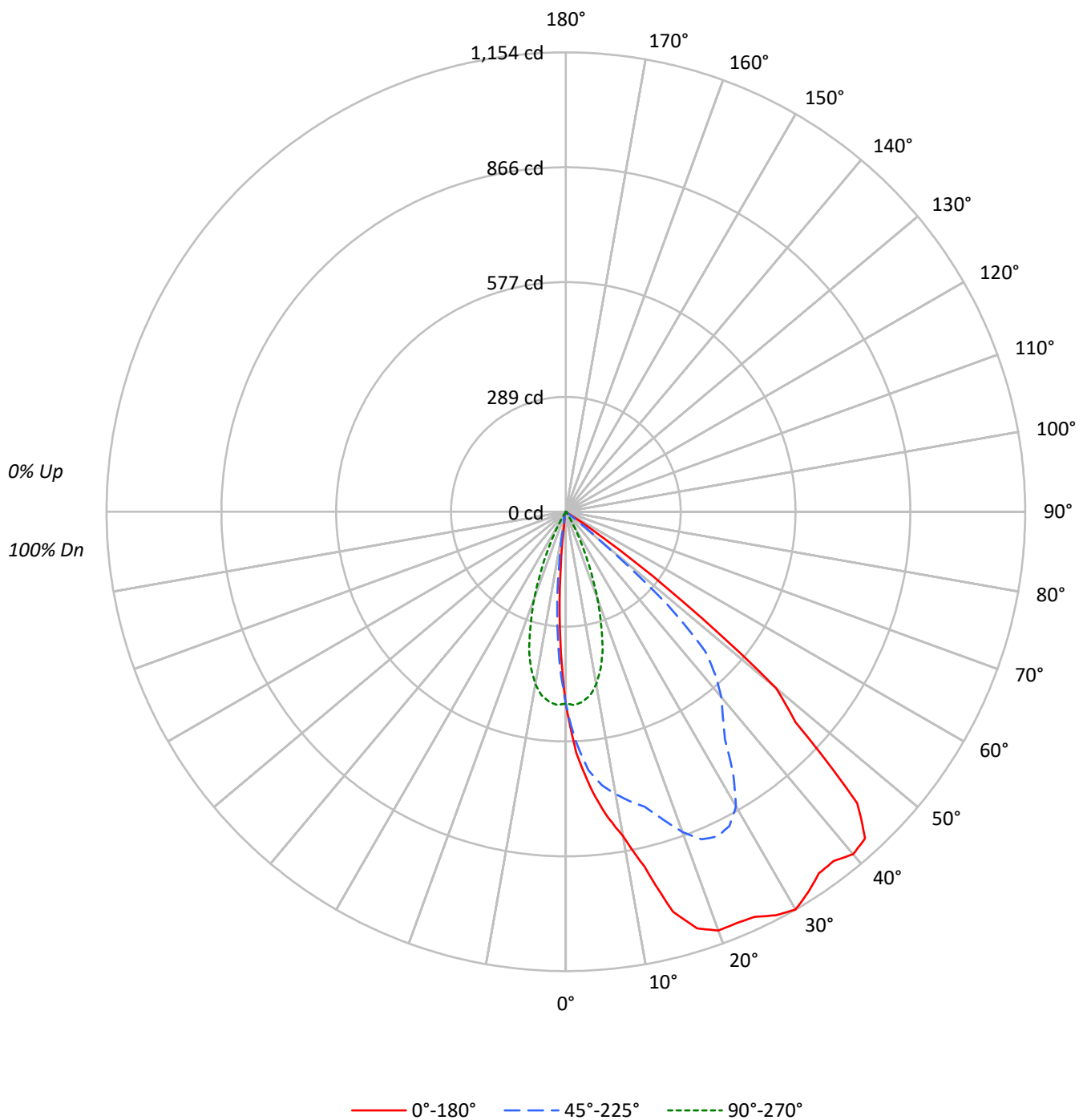
Lumens per Lamp: N/A
Luminaire Lumens: 783.1 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	63	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°	82977	82977	82977	82977	82977
5°	119599	112632	82844	42684	27419
10°	144660	125931	76894	5089	2990
15°	185394	136790	63742	3370	2746
20°	205177	156792	42740	1888	312
25°	213381	171043	21017	171	0
30°	229451	169951	5787	0	0
35°	233036	146352	0	0	0
40°	252451	136444	0	0	0
45°	252206	120465	0	0	0
50°	184658	29178	0	0	0
55°	36031	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: 252620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	5.3
10°-20°	117.8	15.0
20°-30°	187.8	24.0
30°-40°	217.0	27.7
40°-50°	172.4	22.0
50°-60°	45.4	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°	346.9	44.3
0°-40°	564.0	72.0
0°-60°	781.7	99.8
0°-90°	783.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	482	482	482	482	482	
5°	692	652	479	247	159	70
15°	1040	767	358	19	15	290
25°	1123	900	111	1	0	524
35°	1108	696	0	0	0	704
45°	1036	495	0	0	0	737
55°	120	0	0	0	0	181
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°	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8
2.5°	606.0	612.0	609.5	606.9	600.9	598.3	598.3	591.5	580.3	578.6	570.9
5°	691.8	693.5	693.5	691.8	687.5	680.6	678.9	672.1	661.8	651.5	641.2
7.5°	766.3	765.5	760.3	756.9	749.2	739.8	731.2	721.8	706.3	692.6	678.1
10°	827.2	829.8	825.5	816.9	806.6	793.8	780.1	763.8	740.6	720.1	701.2
12.5°	912.9	912.1	900.9	886.4	861.5	837.5	816.1	798.1	769.8	744.9	721.8
15°	1039.8	1038.1	1027.8	1014.9	978.9	942.9	906.1	855.5	808.3	767.2	734.6
17.5°	1097.2	1100.7	1092.1	1085.2	1064.7	1040.7	1008.1	957.5	884.6	810.1	741.5
20°	1119.5	1123.8	1117.8	1116.9	1107.5	1096.4	1069.8	1014.9	943.8	855.5	770.6
22.5°	1118.7	1122.1	1119.5	1130.7	1141.8	1135.8	1103.2	1048.4	975.5	890.6	794.6
25°	1122.9	1120.4	1110.9	1127.2	1143.5	1138.4	1122.1	1074.9	995.2	900.1	803.2
27.5°	1142.7	1123.8	1104.9	1125.5	1133.2	1134.9	1125.5	1069.8	991.8	889.8	786.1
30°	1153.8	1133.2	1117.8	1134.9	1134.9	1144.4	1124.7	1061.2	962.6	854.6	740.6
32.5°	1133.2	1128.9	1142.7	1159.8	1164.1	1164.1	1120.4	1032.9	913.8	782.6	667.8
35°	1108.4	1118.7	1158.1	1165.8	1165.8	1146.9	1093.8	983.2	840.9	696.1	613.8
37.5°	1105.8	1122.1	1165.8	1156.4	1140.9	1105.8	1028.7	896.6	737.2	647.2	573.5
40°	1122.9	1138.4	1164.1	1129.8	1092.9	1038.1	945.5	783.5	674.6	606.9	524.6
42.5°	1112.7	1127.2	1128.1	1077.5	1025.2	950.6	828.1	691.8	629.2	555.5	468.9
45°	1035.5	1037.2	1033.8	979.8	925.8	848.6	718.3	646.3	579.5	494.6	344.6
47.5°	782.6	779.2	792.1	776.6	779.2	732.9	652.3	593.2	513.5	347.2	104.6
50°	689.2	684.9	672.1	658.3	644.6	622.3	584.6	521.2	370.3	108.9	3.4
52.5°	369.5	390.0	430.3	492.0	515.2	513.5	485.2	385.7	116.6	0.9	0.0
55°	120.0	118.3	132.0	156.0	214.3	246.9	257.2	131.2	2.6	0.0	0.0
57.5°	0.0	0.0	0.0	2.6	8.6	22.3	29.1	1.7	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°	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8
2.5°	560.6	548.6	534.9	486.0	428.6	372.9	332.6	322.3
5°	624.9	604.3	575.2	479.2	354.0	246.9	176.6	158.6
7.5°	658.3	640.3	609.5	465.5	274.3	121.7	45.4	30.9
10°	678.9	657.5	623.2	439.7	179.2	29.1	16.3	17.1
12.5°	693.5	668.6	630.0	402.9	90.9	14.6	20.6	21.4
15°	699.5	672.9	629.2	357.5	32.6	18.9	18.0	15.4
17.5°	696.1	662.6	618.0	292.3	11.1	18.0	9.4	7.7
20°	691.8	654.1	600.0	233.2	9.4	10.3	3.4	1.7
22.5°	705.5	639.5	575.2	167.2	9.4	3.4	0.0	0.0
25°	707.2	633.5	543.5	110.6	4.3	0.9	0.0	0.0
27.5°	690.1	598.3	494.6	65.1	0.0	0.0	0.0	0.0
30°	635.2	554.6	442.3	29.1	0.0	0.0	0.0	0.0
32.5°	581.2	505.8	384.0	6.9	0.0	0.0	0.0	0.0
35°	538.3	455.2	319.7	0.0	0.0	0.0	0.0	0.0
37.5°	485.2	395.2	238.3	0.0	0.0	0.0	0.0	0.0
40°	429.5	318.9	119.2	0.0	0.0	0.0	0.0	0.0
42.5°	335.2	151.7	12.0	0.0	0.0	0.0	0.0	0.0
45°	128.6	13.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.9	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)