

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: P1315420

Luminaire Tested: P3SQAS13R609740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315420  
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: P3SQAS13R609740DE010 E3SQCA301MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM  
Light Source: -  
Ballast/Driver: -

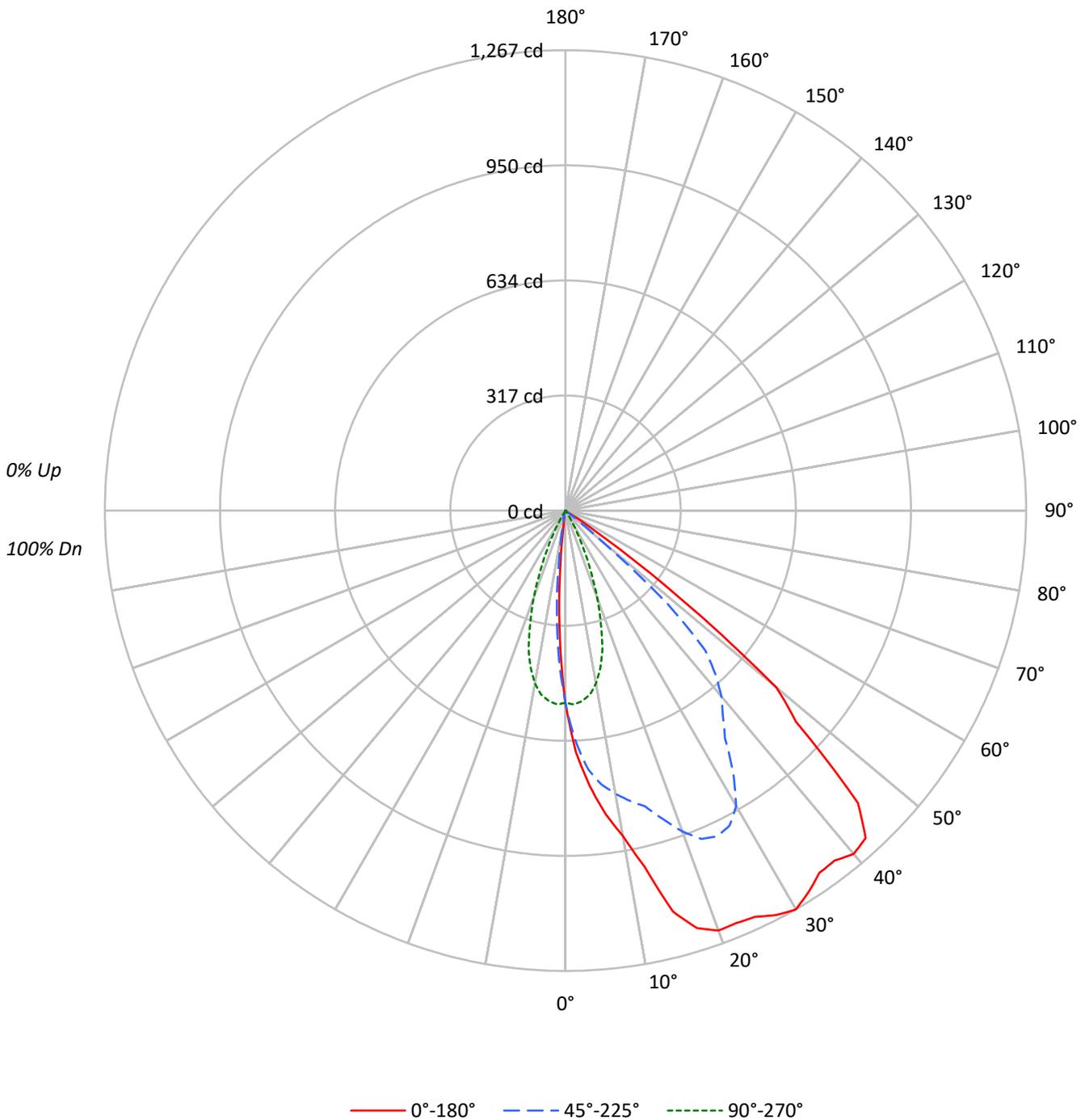
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 859.9 lumens  
Efficiency: N/A  
Efficacy: 58.9 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

TEST NUMBER: P1315420  
CATALOG NUMBER: P3SQAS13R609740DE010 E3SQCA301MMS

### 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	91123	91123	91123	91123	91123
5°	131355	123696	90987	46885	30116
10°	158895	138312	84467	5596	3288
15°	203616	150234	70000	3691	3013
20°	225356	172206	46937	2071	348
25°	234379	187860	23088	171	0
30°	252022	186675	6364	0	0
35°	255952	160732	0	0	0
40°	277294	149865	0	0	0
45°	277000	132302	0	0	0
50°	202824	32045	0	0	0
55°	39574	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: 277463 cd/sqm



TEST NUMBER: P1315420

CATALOG NUMBER: P3SQAS13R609740DE010 E3SQCA301MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	5.3
10°-20°	129.4	15.0
20°-30°	206.2	24.0
30°-40°	238.4	27.7
40°-50°	189.3	22.0
50°-60°	49.8	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°	381.1	44.3
0°-40°	619.4	72.0
0°-60°	858.6	99.8
0°-90°	859.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	859.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	529	529	529	529	529	
5°	760	716	526	271	174	77
15°	1142	843	393	21	17	318
25°	1233	989	122	1	0	575
35°	1217	764	0	0	0	773
45°	1137	543	0	0	0	810
55°	132	0	0	0	0	199
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: P1315420  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	529.1	529.1	529.1	529.1	529.1	529.1	529.1	529.1	529.1	529.1	529.1
2.5°	665.6	672.2	669.4	666.6	660.0	657.2	657.2	649.6	637.4	635.5	627.0
5°	759.8	761.7	761.7	759.8	755.1	747.6	745.7	738.1	726.8	715.5	704.2
7.5°	841.7	840.8	835.1	831.4	822.9	812.5	803.1	792.7	775.8	760.7	744.7
10°	908.6	911.4	906.7	897.3	886.0	871.8	856.8	838.9	813.5	790.9	770.2
12.5°	1002.7	1001.8	989.5	973.5	946.2	919.9	896.3	876.5	845.5	818.2	792.7
15°	1142.0	1140.2	1128.9	1114.7	1075.2	1035.7	995.2	939.6	887.8	842.6	806.9
17.5°	1205.1	1208.9	1199.5	1191.9	1169.4	1143.0	1107.2	1051.7	971.6	889.7	814.4
20°	1229.6	1234.3	1227.7	1226.8	1216.4	1204.2	1175.0	1114.7	1036.6	939.6	846.4
22.5°	1228.7	1232.4	1229.6	1241.8	1254.1	1247.5	1211.7	1151.5	1071.4	978.2	872.8
25°	1233.4	1230.5	1220.2	1238.1	1256.0	1250.3	1232.4	1180.6	1093.1	988.6	882.2
27.5°	1255.0	1234.3	1213.6	1236.2	1244.7	1246.6	1236.2	1175.0	1089.3	977.3	863.4
30°	1267.3	1244.7	1227.7	1246.6	1246.6	1256.9	1235.3	1165.6	1057.3	938.7	813.5
32.5°	1244.7	1240.0	1255.0	1273.9	1278.6	1278.6	1230.5	1134.5	1003.6	859.6	733.4
35°	1217.4	1228.7	1272.0	1280.4	1280.4	1259.7	1201.4	1079.9	923.6	764.5	674.1
37.5°	1214.5	1232.4	1280.4	1270.1	1253.1	1214.5	1129.8	984.8	809.7	710.8	629.9
40°	1233.4	1250.3	1278.6	1240.9	1200.4	1140.2	1038.5	860.5	741.0	666.6	576.2
42.5°	1222.1	1238.1	1239.0	1183.5	1126.0	1044.1	909.5	759.8	691.1	610.1	515.0
45°	1137.3	1139.2	1135.5	1076.1	1016.8	932.1	789.0	709.9	636.5	543.2	378.5
47.5°	859.6	855.8	870.0	853.0	855.8	805.0	716.5	651.5	564.0	381.3	114.9
50°	757.0	752.3	738.1	723.1	708.0	683.5	642.1	572.4	406.7	119.6	3.8
52.5°	405.8	428.4	472.6	540.4	565.8	564.0	532.9	423.7	128.0	0.9	0.0
55°	131.8	129.9	145.0	171.4	235.4	271.2	282.5	144.1	2.8	0.0	0.0
57.5°	0.0	0.0	0.0	2.8	9.4	24.5	32.0	1.9	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°	529.1	529.1	529.1	529.1	529.1	529.1	529.1	529.1
2.5°	615.7	602.6	587.5	533.8	470.8	409.6	365.3	354.0
5°	686.4	663.8	631.8	526.3	388.8	271.2	194.0	174.2
7.5°	723.1	703.3	669.4	511.2	301.3	133.7	49.9	33.9
10°	745.7	722.1	684.5	483.0	196.8	32.0	17.9	18.8
12.5°	761.7	734.4	692.0	442.5	99.8	16.0	22.6	23.5
15°	768.3	739.1	691.1	392.6	35.8	20.7	19.8	16.9
17.5°	764.5	727.8	678.8	321.1	12.2	19.8	10.4	8.5
20°	759.8	718.4	659.1	256.1	10.4	11.3	3.8	1.9
22.5°	774.9	702.4	631.8	183.6	10.4	3.8	0.0	0.0
25°	776.7	695.8	596.9	121.5	4.7	0.9	0.0	0.0
27.5°	757.9	657.2	543.2	71.6	0.0	0.0	0.0	0.0
30°	697.7	609.2	485.8	32.0	0.0	0.0	0.0	0.0
32.5°	638.3	555.5	421.8	7.5	0.0	0.0	0.0	0.0
35°	591.3	499.9	351.2	0.0	0.0	0.0	0.0	0.0
37.5°	532.9	434.0	261.7	0.0	0.0	0.0	0.0	0.0
40°	471.7	350.2	130.9	0.0	0.0	0.0	0.0	0.0
42.5°	368.1	166.6	13.2	0.0	0.0	0.0	0.0	0.0
45°	141.2	15.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7.5	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)