

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: P1313621

Luminaire Tested: P3SQAS17R609730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313621
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: P3SQAS17R609730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

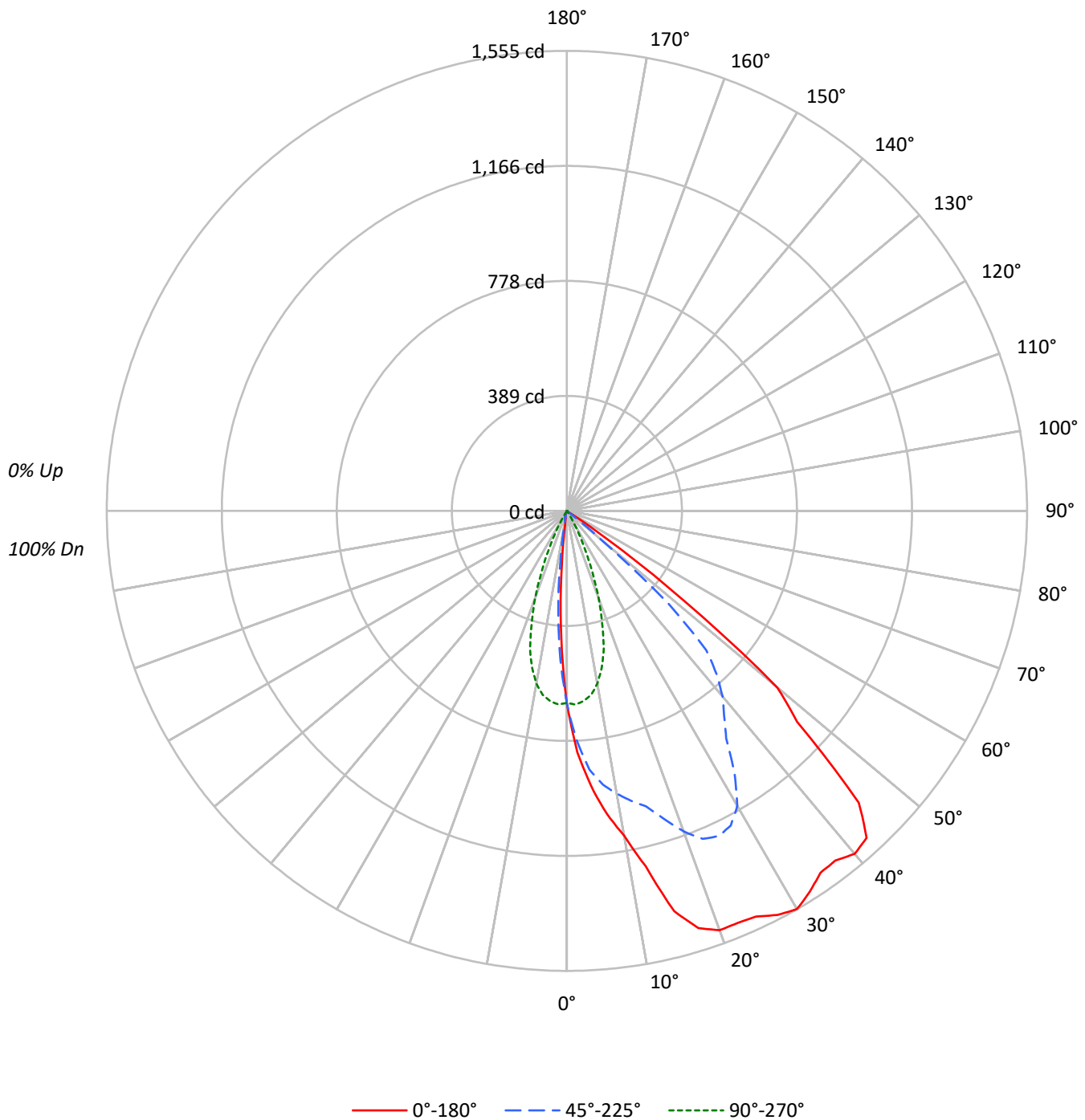
Lumens per Lamp: N/A
Luminaire Lumens: 1055.1 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1313621

CATALOG NUMBER: P3SQAS17R609730DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313621

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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	0
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°	111790	111790	111790	111790	111790
5°	161142	151755	111612	57500	36945
10°	194921	169668	103616	6873	4040
15°	249795	184307	85868	4529	3709
20°	276453	211262	57585	2548	422
25°	287510	230445	28314	228	0
30°	309156	228994	7815	0	0
35°	313980	197189	0	0	0
40°	340154	183836	0	0	0
45°	339814	162308	0	0	0
50°	248801	39305	0	0	0
55°	48552	0	0	0	0
60°	0	0	0	0	0
65°	0	489	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: 340375 cd/sqm

TEST NUMBER: P1313621

CATALOG NUMBER: P3SQAS17R609730DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	5.3
10°-20°	158.8	15.0
20°-30°	253.0	24.0
30°-40°	292.4	27.7
40°-50°	232.2	22.0
50°-60°	61.1	5.8
60°-70°	0.4	0.0
70°-80°	0.7	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°	467.5	44.3
0°-40°	759.9	72.0
0°-60°	1053.3	99.8
0°-90°	1055.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	649	649	649	649	649	
5°	932	878	646	333	214	94
15°	1401	1034	482	25	21	390
25°	1513	1213	149	1	0	706
35°	1493	938	0	0	0	949
45°	1395	666	0	0	0	993
55°	162	0	0	0	0	244
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: P1313621

CATALOG NUMBER: P3SQAS17R609730DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1
2.5°	816.6	824.7	821.2	817.7	809.6	806.2	806.2	796.9	781.9	779.6	769.2
5°	932.1	934.4	934.4	932.1	926.3	917.1	914.8	905.5	891.7	877.8	863.9
7.5°	1032.6	1031.4	1024.5	1019.9	1009.5	996.8	985.2	972.5	951.7	933.2	913.6
10°	1114.6	1118.0	1112.3	1100.7	1086.8	1069.5	1051.0	1029.1	997.9	970.2	944.8
12.5°	1230.1	1228.9	1213.9	1194.3	1160.8	1128.4	1099.5	1075.3	1037.2	1003.7	972.5
15°	1401.0	1398.7	1384.8	1367.5	1319.0	1270.5	1220.8	1152.7	1089.2	1033.7	989.8
17.5°	1478.4	1483.0	1471.5	1462.2	1434.5	1402.2	1358.3	1290.1	1191.9	1091.5	999.1
20°	1508.4	1514.2	1506.1	1504.9	1492.2	1477.2	1441.4	1367.5	1271.6	1152.7	1038.3
22.5°	1507.3	1511.9	1508.4	1523.4	1538.4	1530.4	1486.5	1412.6	1314.4	1200.0	1070.7
25°	1513.0	1509.6	1496.9	1518.8	1540.8	1533.8	1511.9	1448.4	1340.9	1212.7	1082.2
27.5°	1539.6	1514.2	1488.8	1516.5	1526.9	1529.2	1516.5	1441.4	1336.3	1198.9	1059.1
30°	1554.6	1526.9	1506.1	1529.2	1529.2	1541.9	1515.3	1429.9	1297.1	1151.5	997.9
32.5°	1526.9	1521.1	1539.6	1562.7	1568.5	1568.5	1509.6	1391.8	1231.2	1054.5	899.7
35°	1493.4	1507.3	1560.4	1570.8	1570.8	1545.4	1473.8	1324.8	1133.0	937.9	827.0
37.5°	1489.9	1511.9	1570.8	1558.1	1537.3	1489.9	1386.0	1208.1	993.3	872.0	772.7
40°	1513.0	1533.8	1568.5	1522.3	1472.6	1398.7	1274.0	1055.7	909.0	817.7	706.9
42.5°	1499.2	1518.8	1520.0	1451.8	1381.4	1280.9	1115.7	932.1	847.8	748.4	631.8
45°	1395.2	1397.5	1392.9	1320.2	1247.4	1143.4	967.9	870.9	780.8	666.4	464.3
47.5°	1054.5	1049.9	1067.2	1046.4	1049.9	987.5	878.9	799.3	691.8	467.8	140.9
50°	928.6	922.8	905.5	887.0	868.6	838.5	787.7	702.2	499.0	146.7	4.6
52.5°	497.8	525.5	579.8	663.0	694.1	691.8	653.7	519.7	157.1	1.2	0.0
55°	161.7	159.4	177.9	210.2	288.7	332.6	346.5	176.7	3.5	0.0	0.0
57.5°	0.0	0.0	0.0	3.5	11.5	30.0	39.3	2.3	0.0	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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

TEST NUMBER: P1313621

CATALOG NUMBER: P3SQAS17R609730DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1
2.5°	755.4	739.2	720.7	654.9	577.5	502.4	448.1	434.3
5°	842.0	814.3	775.0	645.6	477.0	332.6	237.9	213.7
7.5°	887.0	862.8	821.2	627.2	369.6	164.0	61.2	41.6
10°	914.8	885.9	839.7	592.5	241.4	39.3	21.9	23.1
12.5°	934.4	900.9	848.9	542.8	122.4	19.6	27.7	28.9
15°	942.5	906.7	847.8	481.6	43.9	25.4	24.3	20.8
17.5°	937.9	892.8	832.7	393.9	15.0	24.3	12.7	10.4
20°	932.1	881.3	808.5	314.2	12.7	13.9	4.6	2.3
22.5°	950.6	861.6	775.0	225.2	12.7	4.6	0.0	0.0
25°	952.9	853.5	732.3	149.0	5.8	1.2	0.0	0.0
27.5°	929.8	806.2	666.4	87.8	0.0	0.0	0.0	0.0
30°	855.8	747.3	596.0	39.3	0.0	0.0	0.0	0.0
32.5°	783.1	681.4	517.4	9.2	0.0	0.0	0.0	0.0
35°	725.3	613.3	430.8	0.0	0.0	0.0	0.0	0.0
37.5°	653.7	532.4	321.1	0.0	0.0	0.0	0.0	0.0
40°	578.6	429.7	160.5	0.0	0.0	0.0	0.0	0.0
42.5°	451.6	204.4	16.2	0.0	0.0	0.0	0.0	0.0
45°	173.2	18.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9.2	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	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	1.2	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	0.0	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	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)