

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: P1306140

Luminaire Tested: P3SQASS17R609024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306140
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: P3SQASS17R609024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

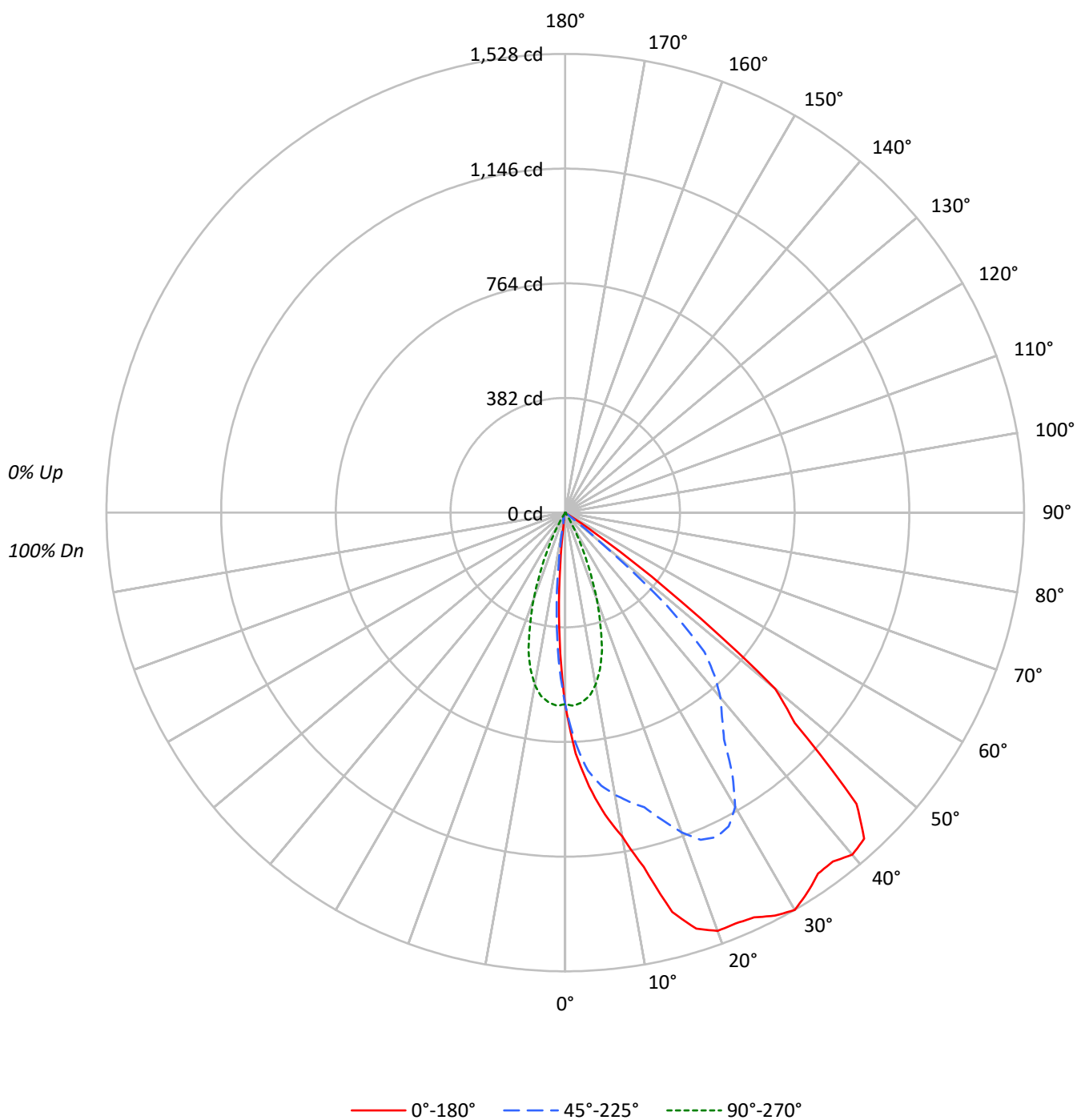
Lumens per Lamp: N/A
Luminaire Lumens: 1036.9 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1306140

CATALOG NUMBER: P3SQASS17R609024DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306140

CATALOG NUMBER: P3SQASS17R609024DE010 E3SQCA301MMS

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	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°	109878	109878	109878	109878	109878
5°	158393	149161	109710	56532	36305
10°	191580	166765	101850	6750	3970
15°	245534	181169	84406	4457	3637
20°	271743	207651	56595	2493	422
25°	282608	226512	27839	209	0
30°	303886	225096	7676	0	0
35°	308619	193804	0	0	0
40°	334353	180711	0	0	0
45°	334018	159556	0	0	0
50°	244567	38636	0	0	0
55°	47711	0	0	0	0
60°	0	0	0	0	0
65°	0	448	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: 334578 cd/sqm

TEST NUMBER: P1306140

CATALOG NUMBER: P3SQASS17R609024DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	5.3
10°-20°	156.0	15.0
20°-30°	248.7	24.0
30°-40°	287.4	27.7
40°-50°	228.3	22.0
50°-60°	60.1	5.8
60°-70°	0.4	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°	459.5	44.3
0°-40°	746.9	72.0
0°-60°	1035.3	99.8
0°-90°	1036.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	638	638	638	638	638	
5°	916	863	635	327	210	93
15°	1377	1016	473	25	20	384
25°	1487	1192	146	1	0	694
35°	1468	922	0	0	0	932
45°	1371	655	0	0	0	977
55°	159	0	0	0	0	240
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: P1306140

CATALOG NUMBER: P3SQASS17R609024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0
2.5°	802.6	810.6	807.2	803.8	795.8	792.4	792.4	783.3	768.6	766.3	756.1
5°	916.2	918.4	918.4	916.2	910.5	901.4	899.1	890.1	876.4	862.8	849.2
7.5°	1014.9	1013.8	1007.0	1002.5	992.2	979.7	968.4	955.9	935.5	917.3	898.0
10°	1095.5	1099.0	1093.3	1081.9	1068.3	1051.3	1033.1	1011.5	980.9	953.6	928.7
12.5°	1209.1	1207.9	1193.2	1173.9	1141.0	1109.2	1080.8	1056.9	1019.5	986.6	955.9
15°	1377.1	1374.8	1361.2	1344.2	1296.5	1248.8	1200.0	1133.0	1070.6	1016.1	972.9
17.5°	1453.2	1457.7	1446.3	1437.3	1410.0	1378.2	1335.1	1268.1	1171.6	1072.8	982.0
20°	1482.7	1488.4	1480.4	1479.3	1466.8	1452.0	1416.8	1344.2	1249.9	1133.0	1020.6
22.5°	1481.5	1486.1	1482.7	1497.4	1512.2	1504.2	1461.1	1388.5	1292.0	1179.6	1052.4
25°	1487.2	1483.8	1471.3	1492.9	1514.5	1507.7	1486.1	1423.6	1318.1	1192.0	1063.8
27.5°	1513.3	1488.4	1463.4	1490.6	1500.8	1503.1	1490.6	1416.8	1313.5	1178.4	1041.1
30°	1528.1	1500.8	1480.4	1503.1	1503.1	1515.6	1489.5	1405.5	1274.9	1131.9	980.9
32.5°	1500.8	1495.2	1513.3	1536.0	1541.7	1541.7	1483.8	1368.0	1210.2	1036.5	884.4
35°	1467.9	1481.5	1533.8	1544.0	1544.0	1519.0	1448.6	1302.2	1113.7	921.8	812.9
37.5°	1464.5	1486.1	1544.0	1531.5	1511.1	1464.5	1362.3	1187.5	976.3	857.1	759.5
40°	1487.2	1507.7	1541.7	1496.3	1447.5	1374.8	1252.2	1037.6	893.5	803.8	694.8
42.5°	1473.6	1492.9	1494.0	1427.0	1357.8	1259.0	1096.7	916.2	833.3	735.7	621.0
45°	1371.4	1373.7	1369.2	1297.6	1226.1	1123.9	951.4	856.0	767.5	655.1	456.4
47.5°	1036.5	1032.0	1049.0	1028.6	1032.0	970.7	863.9	785.6	680.0	459.8	138.5
50°	912.8	907.1	890.1	871.9	853.7	824.2	774.3	690.3	490.4	144.2	4.5
52.5°	489.3	516.6	569.9	651.7	682.3	680.0	642.6	510.9	154.4	1.1	0.0
55°	158.9	156.7	174.8	206.6	283.8	327.0	340.6	173.7	3.4	0.0	0.0
57.5°	0.0	0.0	0.0	3.4	11.4	29.5	38.6	2.3	0.0	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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

TEST NUMBER: P1306140

CATALOG NUMBER: P3SQASS17R609024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0
2.5°	742.5	726.6	708.4	643.7	567.6	493.8	440.5	426.9
5°	827.6	800.4	761.8	634.6	468.9	327.0	233.9	210.0
7.5°	871.9	848.1	807.2	616.5	363.3	161.2	60.2	40.9
10°	899.1	870.8	825.4	582.4	237.3	38.6	21.6	22.7
12.5°	918.4	885.5	834.4	533.6	120.3	19.3	27.2	28.4
15°	926.4	891.2	833.3	473.4	43.1	25.0	23.8	20.4
17.5°	921.8	877.6	818.5	387.1	14.8	23.8	12.5	10.2
20°	916.2	866.2	794.7	308.8	12.5	13.6	4.5	2.3
22.5°	934.3	846.9	761.8	221.4	12.5	4.5	0.0	0.0
25°	936.6	839.0	719.8	146.5	5.7	1.1	0.0	0.0
27.5°	913.9	792.4	655.1	86.3	0.0	0.0	0.0	0.0
30°	841.2	734.5	585.8	38.6	0.0	0.0	0.0	0.0
32.5°	769.7	669.8	508.6	9.1	0.0	0.0	0.0	0.0
35°	713.0	602.8	423.5	0.0	0.0	0.0	0.0	0.0
37.5°	642.6	523.4	315.6	0.0	0.0	0.0	0.0	0.0
40°	568.8	422.3	157.8	0.0	0.0	0.0	0.0	0.0
42.5°	443.9	200.9	15.9	0.0	0.0	0.0	0.0	0.0
45°	170.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9.1	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	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	1.1	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	0.0	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	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)