

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: P1312496

Luminaire Tested: P3SQAS13R559727DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559727DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

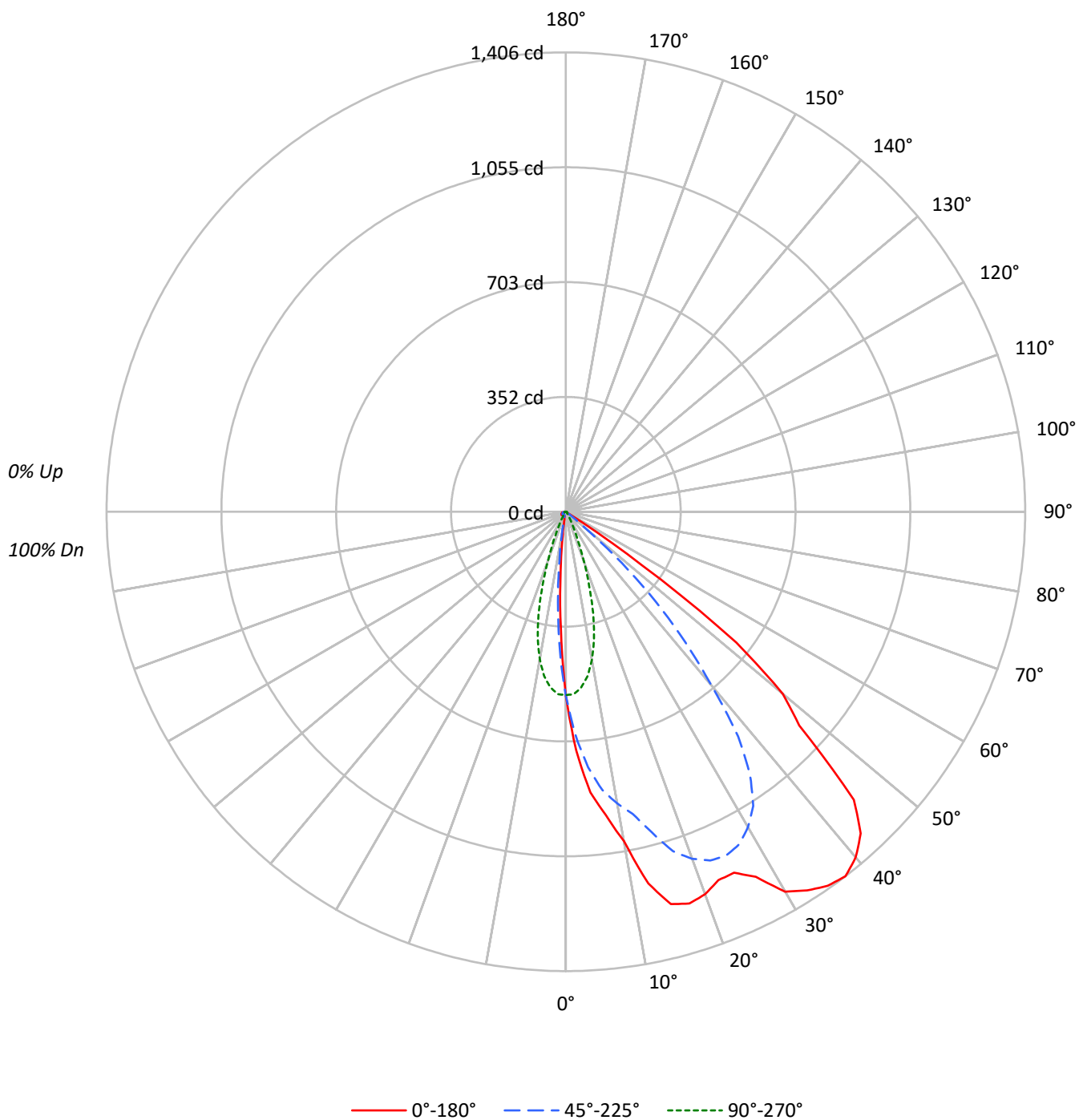
Lumens per Lamp: N/A
Luminaire Lumens: 935.9 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312496

CATALOG NUMBER: P3SQAS13R559727DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312496

CATALOG NUMBER: P3SQAS13R559727DE010 E3SQCA301MW

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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	96617	96617	96617	96617	96617
5°	148988	135642	93338	47940	31482
10°	179007	158546	80340	12084	4827
15°	221660	181062	57412	3334	2603
20°	228288	207120	29654	2236	2236
25°	231604	220621	11896	2014	2318
30°	266937	221675	5171	2108	2426
35°	293838	206671	2229	2229	2733
40°	310387	155553	1281	2563	2923
45°	303573	95061	1193	2777	3556
50°	232216	20256	1313	3269	4126
55°	85214	721	1471	3663	4624
60°	827	827	1688	4202	5304
65°	978	978	1997	4320	5624
70°	806	1209	2065	4935	6546
75°	532	1065	2196	5390	7586
80°	793	1587	2380	5653	8034
85°	0	1581	3162	6521	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 303573 cd/sqm

TEST NUMBER: P1312496

CATALOG NUMBER: P3SQAS13R559727DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	5.3
10°-20°	141.4	15.1
20°-30°	217.0	23.2
30°-40°	252.8	27.0
40°-50°	202.0	21.6
50°-60°	59.8	6.4
60°-70°	6.4	0.7
70°-80°	5.0	0.5
80°-90°	2.1	0.2
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°	407.8	43.6
0°-40°	660.6	70.6
0°-60°	922.4	98.6
0°-90°	935.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	561	561	561	561	561	
5°	862	785	540	277	182	86
15°	1243	1016	322	19	15	343
25°	1219	1161	63	11	12	579
35°	1398	983	11	11	13	870
45°	1246	390	5	11	15	899
55°	284	2	5	12	15	301
65°	2	2	5	11	14	2
75°	1	2	3	8	11	1
85°	0	1	2	3	4	0
90°	0	0	0	0	0	

TEST NUMBER: P1312496

CATALOG NUMBER: P3SQAS13R559727DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0
2.5°	731.7	731.7	729.3	730.1	728.5	719.6	717.9	706.5	696.8	686.2	677.3
5°	861.8	863.5	861.0	856.1	849.6	843.1	829.3	818.7	804.9	784.6	765.9
7.5°	935.8	934.2	930.1	928.5	924.4	917.1	907.4	896.0	879.7	859.4	837.4
10°	1023.6	1009.8	1005.7	999.2	986.2	971.6	954.5	939.1	925.3	906.6	883.0
12.5°	1165.1	1162.7	1146.4	1134.2	1116.3	1083.8	1054.5	1020.4	979.7	947.2	916.3
15°	1243.2	1244.8	1237.5	1227.7	1216.3	1189.5	1160.2	1120.4	1072.4	1015.5	965.1
17.5°	1257.0	1259.4	1255.4	1251.3	1248.0	1232.6	1214.7	1186.2	1142.3	1089.5	1014.7
20°	1245.6	1250.5	1251.3	1256.2	1262.7	1256.2	1241.5	1222.0	1185.4	1130.1	1058.6
22.5°	1220.4	1229.3	1235.8	1252.9	1270.0	1270.0	1261.0	1245.6	1209.8	1155.3	1082.2
25°	1218.8	1220.4	1222.8	1250.5	1277.3	1283.0	1274.9	1258.6	1219.6	1161.0	1081.4
27.5°	1259.4	1248.8	1232.6	1260.2	1291.9	1296.8	1285.4	1263.5	1217.1	1148.0	1053.7
30°	1342.3	1318.8	1284.6	1304.9	1326.9	1321.2	1298.4	1263.5	1200.9	1114.7	1001.7
32.5°	1374.1	1361.0	1348.9	1370.8	1374.9	1351.3	1310.6	1258.6	1174.9	1067.5	916.3
35°	1397.6	1398.5	1393.6	1397.6	1378.1	1344.8	1300.1	1231.8	1126.1	983.0	803.3
37.5°	1405.8	1407.4	1396.8	1382.2	1352.9	1314.7	1261.0	1183.0	1044.8	866.7	632.6
40°	1380.6	1375.7	1358.6	1338.3	1306.6	1267.5	1209.0	1092.7	923.6	691.9	493.5
42.5°	1335.8	1327.7	1307.4	1283.0	1249.7	1200.1	1106.6	965.9	750.4	539.9	345.5
45°	1246.4	1240.7	1215.5	1197.6	1157.8	1093.6	973.2	796.0	580.5	390.3	200.0
47.5°	968.3	969.2	988.7	997.6	983.8	932.6	791.1	604.9	423.6	232.5	67.5
50°	866.7	862.6	843.1	816.3	771.6	695.2	580.5	427.7	250.4	75.6	9.8
52.5°	657.8	657.8	648.0	634.2	587.0	513.0	392.7	236.6	87.8	13.0	2.4
55°	283.8	269.1	277.3	292.7	280.5	243.9	183.7	70.7	15.4	2.4	2.4
57.5°	4.1	9.8	14.6	23.6	31.7	38.2	20.3	7.3	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
67.5°	1.6	1.6	1.6	2.4	1.6	2.4	2.4	2.4	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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: P1312496

CATALOG NUMBER: P3SQAS13R559727DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0
2.5°	664.3	650.4	627.7	558.6	487.0	421.2	374.0	356.1
5°	744.8	719.6	681.3	539.9	397.6	277.3	209.0	182.1
7.5°	808.2	775.7	720.4	507.3	291.9	148.0	88.6	69.9
10°	850.5	814.7	742.3	459.4	193.5	69.1	33.3	27.6
12.5°	881.3	836.6	750.4	397.6	113.8	31.7	17.9	16.3
15°	904.1	846.4	740.7	322.0	62.6	18.7	14.6	14.6
17.5°	935.8	851.3	717.1	237.4	35.8	13.8	13.8	13.8
20°	960.2	851.3	672.4	161.8	22.0	12.2	12.2	12.2
22.5°	972.4	838.3	617.9	102.4	15.4	11.4	12.2	12.2
25°	960.2	806.5	548.0	62.6	12.2	10.6	11.4	12.2
27.5°	915.5	743.1	454.5	39.8	9.8	10.6	11.4	12.2
30°	840.7	651.3	348.8	26.0	8.9	10.6	11.4	12.2
32.5°	735.0	514.7	226.0	17.1	8.1	10.6	11.4	12.2
35°	574.0	364.2	136.6	10.6	8.1	10.6	12.2	13.0
37.5°	430.1	243.1	74.0	6.5	8.1	10.6	12.2	13.0
40°	298.4	141.5	31.7	5.7	8.1	11.4	13.0	13.0
42.5°	173.2	56.1	8.1	4.9	8.1	11.4	13.0	13.8
45°	63.4	11.4	2.4	4.9	8.9	11.4	13.0	14.6
47.5°	8.9	2.4	2.4	4.9	8.9	11.4	13.8	14.6
50°	2.4	2.4	2.4	4.9	8.9	12.2	14.6	15.4
52.5°	2.4	2.4	2.4	4.9	8.9	12.2	14.6	15.4
55°	2.4	2.4	2.4	4.9	8.9	12.2	14.6	15.4
57.5°	2.4	2.4	2.4	4.9	8.9	12.2	14.6	15.4
60°	2.4	2.4	2.4	4.9	8.1	12.2	14.6	15.4
62.5°	2.4	2.4	2.4	4.9	8.1	11.4	13.8	14.6
65°	2.4	2.4	2.4	4.9	7.3	10.6	13.8	13.8
67.5°	2.4	2.4	2.4	4.1	7.3	10.6	13.0	13.8
70°	2.4	2.4	2.4	4.1	6.5	9.8	12.2	13.0
72.5°	2.4	2.4	2.4	3.3	5.7	8.9	11.4	12.2
75°	1.6	2.4	2.4	3.3	5.7	8.1	10.6	11.4
77.5°	1.6	2.4	2.4	2.4	4.9	6.5	8.9	9.8
80°	1.6	1.6	2.4	2.4	4.1	5.7	7.3	8.1
82.5°	1.6	1.6	1.6	2.4	3.3	4.1	5.7	5.7
85°	1.6	1.6	1.6	1.6	2.4	3.3	4.1	4.1
87.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)