Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1308535

Luminaire Tested: P3SQAS24R709030D010 E3SQCA301MMS

Issue Date: 1/29/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1308535
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS24R709030D010 E3SQCA301MMS
Description:	3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1444.9 lumens
Efficiency:	N/A
Efficacy:	50.2 lumens/watt
Spacing Criteria (0/90/45):	2.08 / 0.83 / 1.48
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

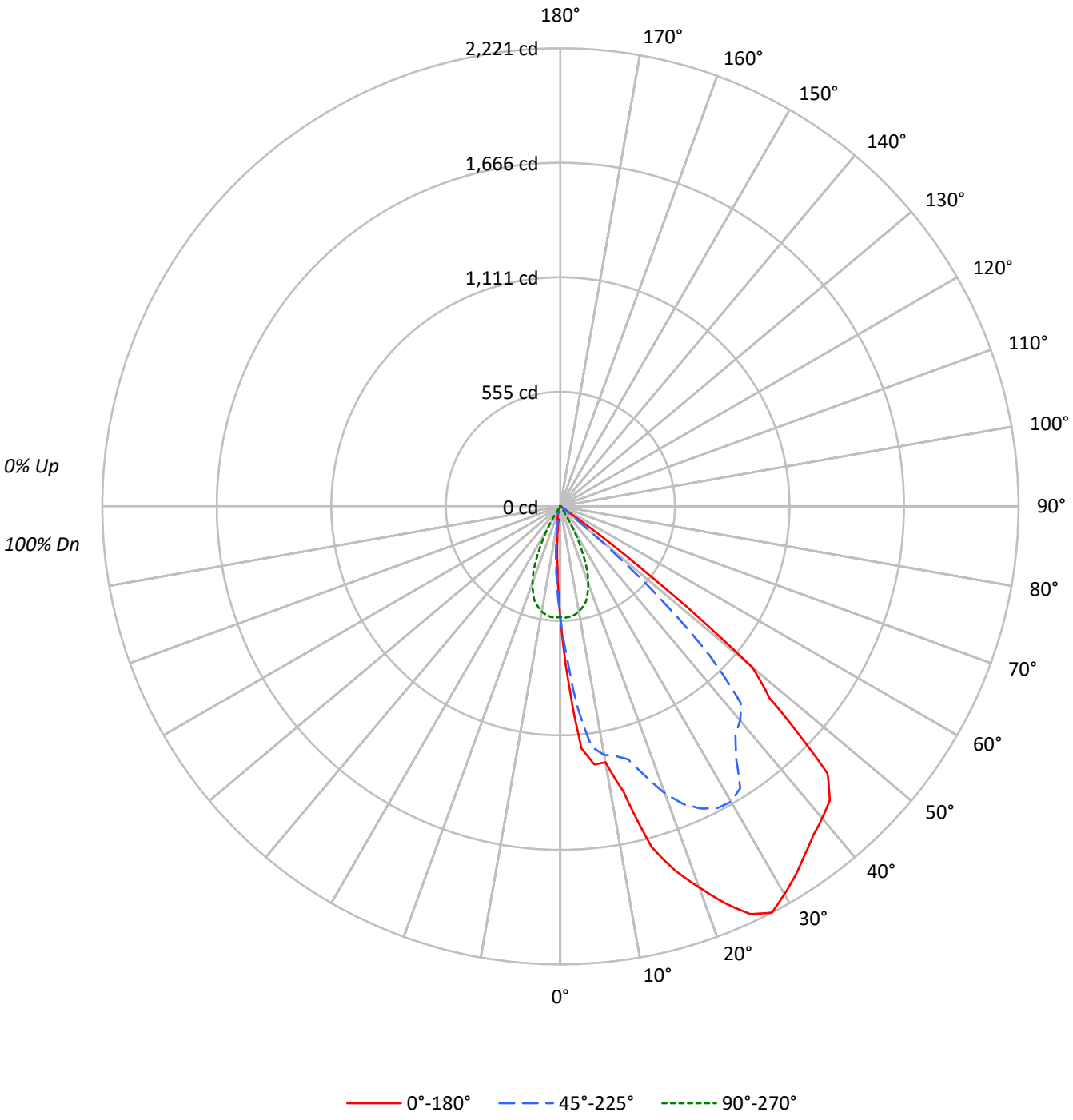
Input Watts (W):	28.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1308535
CATALOG NUMBER: P3SQAS24R709030D010 E3SQCA301MMS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1308535
CATALOG NUMBER: P3SQAS24R709030D010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	92363	92363	92363	92363	92363
5°	203757	170979	93062	42304	27851
10°	220383	213965	90570	11769	12119
15°	305032	226510	85440	11999	8719
20°	360265	271321	72504	7093	2621
25°	414619	307273	51155	1159	0
30°	431876	328864	23526	0	0
35°	433862	311667	1282	0	0
40°	443774	304857	0	0	0
45°	445982	249819	0	0	0
50°	325616	51898	0	0	0
55°	18376	0	0	0	0
60°	0	689	689	0	0
65°	0	0	815	0	0
70°	0	1007	1007	0	0
75°	0	1331	1331	0	0
80°	0	1984	1984	1984	0
85°	0	3952	3952	3952	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
Vertical Angle: 45°
Luminance: 454433 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1308535
CATALOG NUMBER: P3SQAS24R709030D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	4.1
10°-20°	195.9	13.6
20°-30°	352.1	24.4
30°-40°	428.1	29.6
40°-50°	330.6	22.9
50°-60°	76.9	5.3
60°-70°	0.5	0.0
70°-80°	1.1	0.1
80°-90°	1.1	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°	606.7	42.0
0°-40°	1034.8	71.6
0°-60°	1442.3	99.8
0°-90°	1444.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1444.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	536	536	536	536	536	
5°	1179	989	538	245	161	111
15°	1711	1270	479	67	49	478
25°	2182	1617	269	6	0	993
35°	2064	1482	6	0	0	1296
45°	1831	1026	0	0	0	1294
55°	61	0	0	0	0	251
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1308535
CATALOG NUMBER: P3SQAS24R709030D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	*536.3*	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3
2.5°	*836.0*	836.0	840.1	838.1	819.7	811.6	785.1	770.8	766.7	734.1	721.9
5°	*1178.6*	1180.7	1170.5	1168.4	1148.0	1133.8	1111.3	1076.7	1042.0	989.0	942.1
7.5°	*1262.2*	1260.2	1258.1	1258.1	1254.1	1245.9	1235.7	1225.5	1211.2	1178.6	1141.9
10°	*1260.2*	1260.2	1258.1	1258.1	1256.1	1258.1	1256.1	1250.0	1243.9	1223.5	1203.1
12.5°	*1419.2*	1407.0	1390.7	1366.2	1325.4	1294.8	1260.2	1250.0	1245.9	1239.8	1227.6
15°	*1710.8*	1700.6	1666.0	1623.1	1582.4	1513.0	1458.0	1382.5	1323.4	1270.4	1243.9
17.5°	*1851.5*	1857.6	1818.9	1792.4	1753.6	1698.6	1633.3	1555.9	1472.2	1372.3	1292.8
20°	*1965.7*	1971.8	1939.2	1912.7	1867.8	1810.7	1753.6	1670.0	1590.5	1480.4	1376.4
22.5°	*2081.9*	2086.0	2055.4	2016.7	1965.7	1906.6	1833.2	1747.5	1661.9	1564.0	1453.9
25°	*2181.9*	2177.8	2126.8	2071.8	2022.8	1959.6	1888.2	1804.6	1723.1	1617.0	1513.0
27.5°	*2220.6*	*2218.6*	*2161.5*	*2108.5*	*2051.4*	*1965.7*	*1902.5*	*1829.1*	*1743.5*	*1649.7*	*1543.6*
30°	*2171.7*	2204.3	2167.6	2128.8	2059.5	1973.9	1912.7	1825.0	1745.5	1653.7	1533.4
32.5°	*2120.7*	2161.5	2149.2	2130.9	2049.3	1982.0	1902.5	1820.9	1727.1	1621.1	1437.6
35°	*2063.6*	2106.4	2108.5	2088.1	2014.7	1947.4	1874.0	1788.3	1682.3	1482.4	1347.9
37.5°	*2012.6*	2053.4	2065.6	2022.8	1965.7	1876.0	1808.7	1719.0	1527.3	1392.7	1323.4
40°	*1973.9*	2004.5	2022.8	1955.5	1898.4	1810.7	1733.3	1576.2	1402.9	1356.0	1258.1
42.5°	*1933.1*	1961.6	1969.8	1896.4	1808.7	1725.1	1612.9	1415.2	1364.2	1294.8	1031.8
45°	*1831.1*	1865.8	1845.4	1774.0	1708.8	1621.1	1453.9	1368.3	1313.2	1025.7	634.2
47.5°	*1374.4*	1413.1	1468.2	1488.6	1511.0	1447.8	1356.0	1325.4	1078.7	621.9	197.8
50°	*1215.3*	1209.2	1209.2	1219.4	1237.7	1258.1	1284.6	1117.4	648.4	193.7	0.0
52.5°	*495.5*	520.0	640.3	748.4	872.7	997.1	1035.9	685.1	252.9	4.1	0.0
55°	*61.2*	61.2	85.6	146.8	242.7	391.5	440.5	220.2	18.4	0.0	0.0
57.5°	*0.0*	0.0	0.0	2.0	16.3	44.9	30.6	8.2	2.0	2.0	0.0
60°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
62.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
70°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
72.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
75°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
77.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
80°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1308535
CATALOG NUMBER: P3SQAS24R709030D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3
2.5°	701.5	677.0	642.3	540.4	452.7	375.2	330.3	307.9
5°	897.2	838.1	758.6	538.3	367.0	244.7	183.5	161.1
7.5°	1084.8	1017.5	882.9	530.2	281.4	142.7	79.5	63.2
10°	1166.4	1117.4	997.1	517.9	203.9	67.3	67.3	69.3
12.5°	1199.0	1162.3	1064.4	499.6	134.6	65.3	69.3	65.3
15°	1221.4	1186.8	1097.0	479.2	77.5	67.3	55.1	48.9
17.5°	1233.7	1192.9	1107.2	440.5	51.0	57.1	34.7	28.5
20°	1272.4	1207.2	1115.4	395.6	48.9	38.7	18.4	14.3
22.5°	1337.7	1235.7	1117.4	340.5	38.7	22.4	6.1	0.0
25°	1396.8	1274.5	1123.6	269.2	12.2	6.1	0.0	0.0
27.5°	*1425.3*	*1286.7*	*1121.5*	*189.6*	*0.0*	*0.0*	*0.0*	*0.0*
30°	1390.7	1256.1	1103.2	118.3	0.0	0.0	0.0	0.0
32.5°	1309.1	1233.7	1046.1	51.0	0.0	0.0	0.0	0.0
35°	1282.6	1184.7	915.6	6.1	0.0	0.0	0.0	0.0
37.5°	1223.5	1044.0	672.9	0.0	0.0	0.0	0.0	0.0
40°	1052.2	754.5	320.1	0.0	0.0	0.0	0.0	0.0
42.5°	695.3	322.2	18.4	0.0	0.0	0.0	0.0	0.0
45°	244.7	20.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.1	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°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
67.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
70°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
72.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
75°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)