

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: P1313115

Luminaire Tested: P3SQAS05R409730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

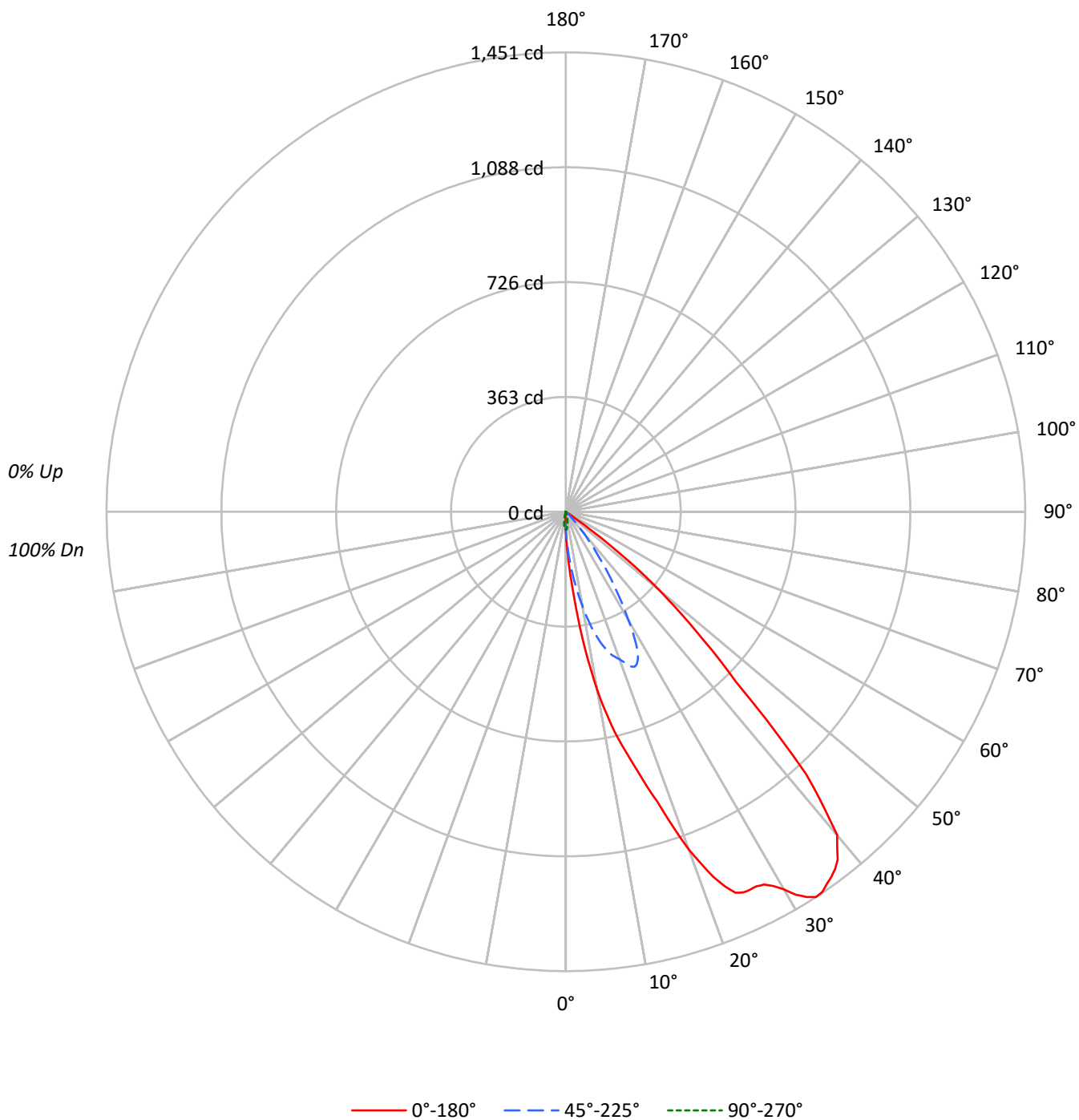
Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1313115

CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313115

CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	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	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9817	9817	9817	9817	9817
5°	41630	28387	8609	1556	778
10°	100084	52779	5334	157	0
15°	147292	76686	2247	0	0
20°	208201	90905	825	0	0
25°	252184	100904	0	0	0
30°	273818	78930	0	0	0
35°	301933	46212	0	0	0
40°	299663	18750	0	0	0
45°	185592	5456	0	0	0
50°	103341	107	0	0	0
55°	10089	0	0	0	0
60°	0	0	138	0	0
65°	0	0	163	0	0
70°	0	201	453	0	0
75°	0	266	599	0	0
80°	0	397	893	0	0
85°	0	790	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 186469 cd/sqm

TEST NUMBER: P1313115

CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	2.2
10°-20°	62.8	12.9
20°-30°	143.3	29.4
30°-40°	169.2	34.7
40°-50°	90.4	18.6
50°-60°	9.8	2.0
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	216.7	44.5
0°-40°	385.9	79.3
0°-60°	486.1	99.8
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	241	164	50	9	4	34
15°	826	430	13	0	0	245
25°	1327	531	0	0	0	603
35°	1436	220	0	0	0	887
45°	762	22	0	0	0	628
55°	34	0	0	0	0	94
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1313115

CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2.5°	132.8	130.1	131.9	128.3	128.3	120.2	120.6	113.9	104.1	79.4	56.5
5°	240.8	251.6	243.1	231.9	225.6	217.5	206.8	195.5	164.2	99.1	49.8
7.5°	403.2	402.3	388.0	375.8	361.9	340.4	320.2	292.9	233.7	113.5	41.3
10°	572.3	569.1	553.0	542.7	516.2	485.3	444.0	400.1	301.8	118.4	30.5
12.5°	713.1	709.1	695.6	678.1	649.0	610.0	565.6	507.7	373.6	113.0	19.7
15°	826.1	825.2	812.2	788.5	758.0	719.8	669.6	600.1	430.1	99.1	12.6
17.5°	960.2	965.6	942.3	916.7	872.8	819.4	758.0	678.6	471.8	82.1	8.1
20°	1136.0	1128.4	1106.9	1069.7	1027.5	963.4	876.4	762.9	496.0	63.7	4.5
21°	1189.9	1186.7	1164.3	1129.8	1083.1	1018.1	928.4	806.0	507.3	57.0	3.6
22°	1244.6	1239.2	1221.7	1188.1	1144.1	1070.6	971.9	850.4	521.6	49.8	2.2
23°	1285.4	1283.2	1269.7	1236.5	1191.2	1119.9	1019.0	891.6	531.5	43.1	1.3
24°	1316.8	1314.1	1300.6	1275.5	1236.5	1162.1	1066.5	936.0	535.5	37.2	0.4
25°	1327.1	1328.5	1320.4	1300.6	1267.9	1193.5	1102.0	971.0	531.0	31.8	0.0
26°	1327.6	1331.6	1325.8	1314.6	1287.6	1218.6	1135.2	991.6	519.4	26.9	0.0
27°	1327.6	1331.6	1325.8	1317.2	1290.8	1232.9	1153.1	993.9	501.4	22.9	0.0
28°	1333.8	1336.1	1328.5	1318.1	1289.4	1237.4	1158.0	980.4	472.7	19.7	0.0
29°	1351.3	1349.1	1336.5	1322.6	1288.1	1237.4	1143.2	954.9	436.8	16.6	0.0
30°	1376.9	1376.9	1357.2	1335.2	1294.4	1237.0	1119.5	908.7	396.9	13.5	0.0
31°	1411.4	1408.3	1388.6	1355.8	1307.8	1237.0	1084.5	857.5	360.1	11.7	0.0
32°	1434.7	1433.0	1414.1	1375.5	1329.8	1237.0	1046.8	801.0	320.2	9.4	0.0
33°	1450.9	1447.3	1425.8	1385.9	1343.3	1230.7	1004.6	740.5	284.3	7.6	0.0
34°	1448.7	1447.8	1425.3	1384.1	1340.6	1204.7	955.8	673.2	251.2	6.3	0.0
35°	1436.1	1436.1	1408.7	1366.1	1321.3	1166.5	907.3	615.8	219.8	4.5	0.0
36°	1426.7	1423.1	1392.1	1344.6	1289.0	1106.4	835.6	557.9	186.1	3.6	0.0
37°	1412.8	1406.0	1371.5	1320.4	1243.2	1041.4	760.2	506.4	157.4	2.2	0.0
38°	1394.8	1384.5	1342.4	1292.1	1193.0	966.5	683.5	448.5	131.0	1.3	0.0
39°	1362.1	1353.6	1310.1	1255.8	1132.9	887.6	609.1	394.2	105.8	0.4	0.0
40°	1332.9	1318.1	1268.8	1206.5	1062.5	798.3	535.1	340.9	83.4	0.0	0.0
42.5°	1123.9	1108.2	1097.0	1035.1	846.3	573.2	373.6	218.4	43.5	0.0	0.0
45°	762.0	765.6	730.6	688.9	558.4	373.6	233.7	121.5	22.4	0.0	0.0
47.5°	555.7	546.3	498.7	419.8	327.4	218.4	122.0	58.8	9.0	0.0	0.0
50°	385.7	367.8	324.7	265.5	178.1	104.1	53.8	27.4	0.4	0.0	0.0
52.5°	209.4	196.9	166.8	121.1	74.0	39.9	21.5	11.2	0.0	0.0	0.0
55°	33.6	23.3	24.2	20.6	16.1	11.7	6.7	1.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9



TEST NUMBER: P1313115

CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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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CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	57.0	57.0	57.0	57.0
2.5°	38.1	26.0	19.7	17.0
5°	22.0	9.0	4.9	4.5
7.5°	10.8	3.1	1.8	1.8
10°	4.5	0.9	0.0	0.0
12.5°	1.3	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0



TEST NUMBER: P1313115

CATALOG NUMBER: P3SQAS05R409730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)