

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: P1306113

Luminaire Tested: P3SQASS17R459024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R459024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

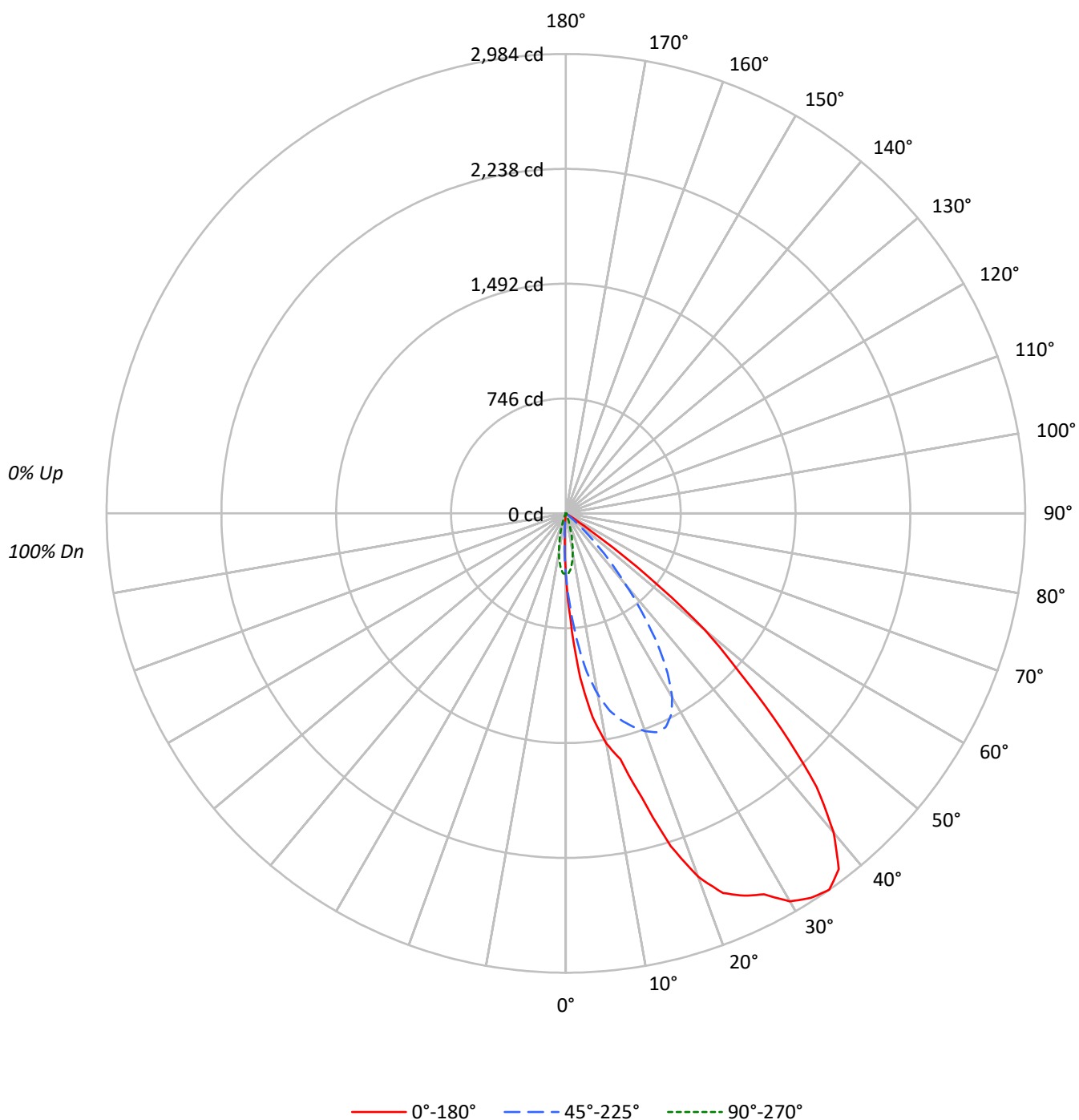
Lumens per Lamp: N/A
Luminaire Lumens: 1265.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306113

CATALOG NUMBER: P3SQASS17R459024DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306113

CATALOG NUMBER: P3SQASS17R459024DE010 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	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	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	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	67666	67666	67666	67666	67666
5°	184723	142125	62617	12568	4720
10°	265292	208509	45276	1189	997
15°	341548	248013	24088	410	0
20°	460333	275940	9164	0	0
25°	520654	291501	2375	0	0
30°	578739	274812	219	0	0
35°	627371	219159	0	0	0
40°	608073	137590	0	0	0
45°	482029	65542	0	0	0
50°	315489	8225	0	0	0
55°	54197	0	0	0	0
60°	0	0	379	0	0
65°	0	448	448	0	0
70°	0	554	1158	0	0
75°	0	732	1530	0	0
80°	0	1091	2281	1091	0
85°	0	2174	4545	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 482029 cd/sqm

TEST NUMBER: P1306113

CATALOG NUMBER: P3SQASS17R459024DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	3.7
10°-20°	180.2	14.2
20°-30°	337.4	26.7
30°-40°	393.8	31.1
40°-50°	256.8	20.3
50°-60°	47.7	3.8
60°-70°	0.4	0.0
70°-80°	0.9	0.1
80°-90°	1.0	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°	564.3	44.6
0°-40°	958.1	75.7
0°-60°	1262.6	99.8
0°-90°	1265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	393	393	393	393	393	
5°	1068	822	362	73	27	114
15°	1916	1391	135	2	0	571
25°	2740	1534	12	0	0	1267
35°	2984	1042	0	0	0	1830
45°	1979	269	0	0	0	1505
55°	180	0	0	0	0	314
65°	0	1	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1306113

CATALOG NUMBER: P3SQASS17R459024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9
2.5°	692.6	698.3	687.0	682.4	667.7	671.1	646.1	635.9	620.0	593.9	581.4
5°	1068.5	1058.3	1049.2	1029.9	1018.5	987.9	953.8	915.2	868.6	822.1	768.7
7.5°	1336.5	1328.5	1325.1	1309.2	1286.5	1254.7	1210.4	1161.6	1101.4	1039.0	958.3
10°	1517.0	1509.1	1495.4	1479.5	1461.4	1435.2	1392.1	1338.7	1272.9	1192.3	1098.0
12.5°	1635.1	1634.0	1611.2	1593.1	1570.4	1547.7	1503.4	1460.2	1395.5	1312.6	1205.9
15°	1915.6	1897.4	1867.9	1816.8	1753.2	1694.1	1622.6	1554.5	1484.1	1391.0	1271.7
17.5°	2265.3	2244.8	2194.9	2130.2	2028.0	1915.6	1792.9	1685.0	1579.4	1453.4	1312.6
20°	2511.7	2503.7	2461.7	2386.8	2277.8	2129.0	1967.8	1815.6	1666.9	1505.6	1331.9
22.5°	2669.5	2665.0	2647.9	2596.8	2485.6	2318.6	2110.9	1906.5	1727.1	1538.6	1326.2
25°	2739.9	2745.6	2747.9	2722.9	2633.2	2462.9	2216.5	1975.7	1761.1	1534.0	1283.1
27.5°	2789.9	2789.9	2799.0	2787.6	2696.8	2517.4	2257.3	1999.6	1749.8	1478.4	1192.3
30°	2910.2	2908.0	2913.6	2883.0	2756.9	2534.4	2239.2	1961.0	1685.0	1381.9	1061.7
32.5°	2962.5	2964.7	2963.6	2914.8	2768.3	2523.0	2194.9	1887.2	1565.8	1230.9	889.1
35°	2984.0	2973.8	2931.8	2820.5	2635.4	2372.0	2070.0	1762.3	1398.9	1042.4	701.7
37.5°	2912.5	2883.0	2789.9	2637.7	2411.8	2158.5	1863.3	1538.6	1177.5	817.5	528.0
40°	2704.7	2666.1	2549.1	2365.2	2158.5	1930.3	1619.2	1276.3	920.9	612.0	370.2
42.5°	2410.6	2366.3	2240.3	2080.2	1891.7	1652.1	1342.1	999.2	674.5	422.4	235.0
45°	1979.1	1954.2	1881.5	1746.4	1561.3	1312.6	1028.7	729.0	466.7	269.1	120.4
47.5°	1530.6	1498.8	1446.6	1353.5	1199.1	962.9	719.9	495.1	299.8	132.9	25.0
50°	1177.5	1140.0	1076.4	973.1	811.9	642.7	466.7	308.9	152.2	30.7	1.1
52.5°	677.9	685.8	655.2	589.3	499.6	384.9	270.2	155.6	34.1	1.1	0.0
55°	180.5	195.3	190.8	205.5	180.5	152.2	112.4	29.5	2.3	0.0	0.0
57.5°	0.0	0.0	1.1	2.3	6.8	10.2	3.4	1.1	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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: P1306113

CATALOG NUMBER: P3SQASS17R459024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9
2.5°	553.0	529.1	499.6	390.6	294.1	211.2	164.6	152.2
5°	717.6	659.7	584.8	362.2	181.7	72.7	32.9	27.3
7.5°	873.2	788.0	652.9	316.8	92.0	18.2	9.1	7.9
10°	993.5	878.9	702.9	258.9	34.1	6.8	5.7	5.7
12.5°	1076.4	936.8	721.0	196.4	12.5	3.4	3.4	2.3
15°	1124.1	959.5	704.0	135.1	4.5	2.3	0.0	0.0
17.5°	1138.9	950.4	658.6	85.2	1.1	0.0	0.0	0.0
20°	1126.4	906.1	587.0	50.0	0.0	0.0	0.0	0.0
22.5°	1085.5	836.8	500.7	27.3	0.0	0.0	0.0	0.0
25°	1009.4	739.2	399.7	12.5	0.0	0.0	0.0	0.0
27.5°	885.7	613.2	300.9	4.5	0.0	0.0	0.0	0.0
30°	744.9	478.0	213.5	1.1	0.0	0.0	0.0	0.0
32.5°	581.4	352.0	137.4	0.0	0.0	0.0	0.0	0.0
35°	437.2	246.4	81.8	0.0	0.0	0.0	0.0	0.0
37.5°	304.3	155.6	43.1	0.0	0.0	0.0	0.0	0.0
40°	189.6	84.0	14.8	0.0	0.0	0.0	0.0	0.0
42.5°	105.6	29.5	1.1	0.0	0.0	0.0	0.0	0.0
45°	25.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.1	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	1.1	0.0	0.0	0.0	0.0
60°	0.0	1.1	1.1	1.1	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	1.1	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	2.3	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	2.3	2.3	1.1	0.0	0.0	0.0
75°	1.1	1.1	2.3	2.3	1.1	0.0	0.0	0.0
77.5°	1.1	2.3	2.3	2.3	1.1	1.1	0.0	0.0
80°	1.1	2.3	2.3	2.3	2.3	1.1	0.0	0.0
82.5°	1.1	2.3	2.3	2.3	2.3	1.1	0.0	0.0
85°	1.1	2.3	2.3	2.3	1.1	1.1	0.0	0.0
87.5°	1.1	2.3	2.3	2.3	2.3	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)