

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: P1312596

Luminaire Tested: P3SQAS17R359727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

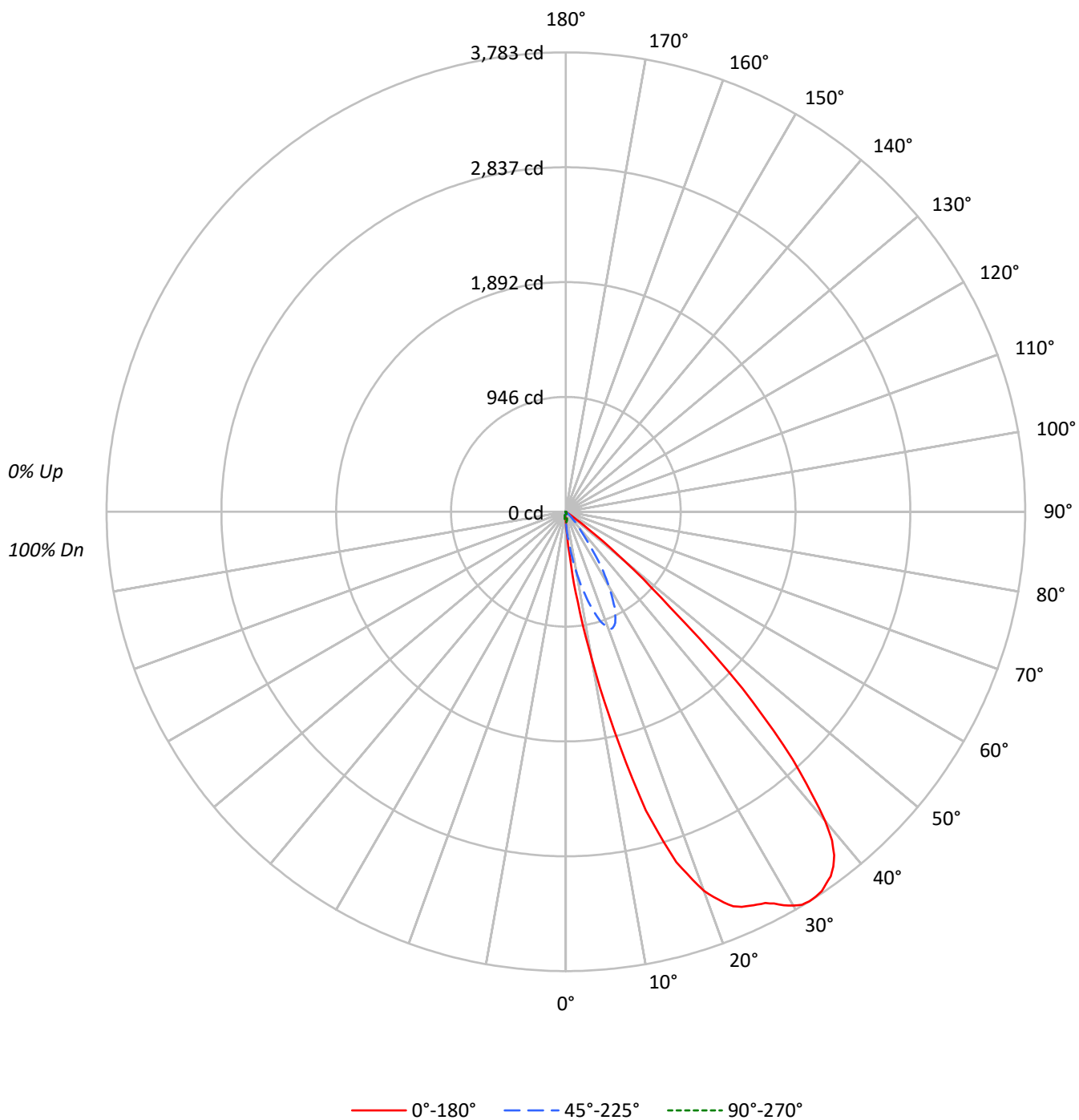
Lumens per Lamp: N/A
Luminaire Lumens: 1130.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	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°	14673	14673	14673	14673	14673
5°	63741	39503	13606	4841	3354
10°	214542	89171	10178	1137	385
15°	454000	146276	6347	0	0
20°	608731	186904	2969	0	0
25°	680314	183547	608	0	0
30°	744752	140638	0	0	0
35°	786022	76613	0	0	0
40°	747192	34420	0	0	0
45°	501489	15222	0	0	0
50°	167537	1447	0	0	0
55°	9068	0	0	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	1464	0	0
80°	0	1091	2182	0	0
85°	0	2174	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 501489 cd/sqm

TEST NUMBER: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	1.6
10°-20°	156.8	13.9
20°-30°	344.0	30.4
30°-40°	397.9	35.2
40°-50°	196.4	17.4
50°-60°	14.5	1.3
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.8	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°	519.1	45.9
0°-40°	917.0	81.1
0°-60°	1128.0	99.8
0°-90°	1130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1130.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	85	85	85	85	85	
5°	369	228	79	28	19	63
15°	2546	820	36	0	0	719
25°	3580	966	3	0	0	1655
35°	3739	364	0	0	0	2308
45°	2059	62	0	0	0	1511
55°	30	0	0	0	0	123
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	169.2	173.6	171.4	171.4	170.3	164.9	155.2	152.0	140.1	111.0	86.2
5°	368.7	369.8	366.5	350.4	336.3	323.4	295.4	282.4	228.5	135.8	78.7
7.5°	748.1	732.0	711.5	688.9	639.3	594.0	534.7	472.2	353.6	157.4	70.1
10°	1226.8	1204.1	1186.9	1133.0	1043.5	950.8	837.6	735.2	509.9	172.5	58.2
12.5°	1844.5	1831.6	1770.1	1662.3	1529.7	1396.0	1198.8	1036.0	667.3	175.7	47.4
15°	2546.3	2524.7	2430.9	2277.9	2097.8	1887.6	1623.5	1349.7	820.4	166.0	35.6
17.5°	3026.0	3014.1	2933.3	2772.7	2565.7	2298.3	1985.7	1644.0	946.5	145.5	24.8
20°	3321.4	3304.1	3228.7	3092.8	2876.2	2596.9	2226.1	1831.6	1019.8	119.7	16.2
21°	3397.9	3380.7	3320.3	3179.1	2972.1	2672.4	2291.9	1876.8	1033.8	107.8	12.9
22°	3470.1	3452.9	3389.3	3264.2	3059.4	2746.8	2343.6	1911.3	1031.7	98.1	9.7
23°	3530.5	3512.2	3449.7	3334.3	3128.4	2812.6	2382.4	1928.6	1017.7	88.4	7.5
24°	3561.8	3551.0	3494.9	3386.1	3184.5	2858.9	2409.4	1935.0	1000.4	78.7	5.4
25°	3580.1	3567.2	3512.2	3411.9	3221.1	2895.6	2426.6	1929.7	965.9	70.1	3.2
26°	3599.5	3580.1	3517.6	3420.6	3240.5	2912.8	2427.7	1915.6	929.3	62.5	1.1
27°	3616.8	3598.4	3533.7	3427.0	3243.8	2907.4	2419.1	1888.7	885.1	55.0	1.1
28°	3654.5	3634.0	3559.6	3441.0	3247.0	2893.4	2392.1	1852.0	826.8	48.5	0.0
29°	3704.1	3682.5	3597.3	3474.5	3254.5	2878.3	2355.5	1803.5	776.2	43.1	0.0
30°	3745.0	3725.6	3646.9	3516.5	3273.9	2864.3	2312.4	1737.8	707.2	36.7	0.0
31°	3775.2	3755.8	3683.6	3552.1	3291.2	2851.4	2258.5	1669.9	644.7	32.3	0.0
32°	3782.8	3766.6	3698.7	3567.2	3291.2	2832.0	2208.9	1593.3	583.2	27.0	0.0
33°	3779.5	3763.4	3694.4	3556.4	3262.1	2785.6	2148.5	1501.7	513.1	23.7	0.0
34°	3767.7	3748.3	3675.0	3521.9	3205.0	2706.9	2061.2	1410.0	439.8	19.4	0.0
35°	3738.6	3721.3	3641.5	3457.2	3116.6	2587.2	1944.7	1304.4	364.4	16.2	0.0
36°	3710.5	3684.7	3586.6	3377.4	3000.1	2464.4	1805.7	1182.6	299.7	12.9	0.0
37°	3658.8	3622.1	3523.0	3262.1	2835.2	2290.8	1647.2	1048.9	251.2	9.7	0.0
38°	3589.8	3540.2	3414.1	3128.4	2669.2	2128.0	1498.4	928.2	211.3	6.5	0.0
39°	3483.1	3424.9	3253.5	2945.1	2477.3	1939.4	1328.1	799.9	180.0	4.3	0.0
40°	3323.5	3268.6	3078.8	2727.4	2286.5	1731.3	1153.5	655.4	153.1	2.2	0.0
42.5°	2767.3	2691.8	2471.9	2122.6	1690.3	1245.1	763.2	364.4	101.3	0.0	0.0
45°	2059.0	1992.2	1776.6	1458.6	1126.5	762.2	408.6	214.5	62.5	0.0	0.0
47.5°	1163.2	1155.6	1015.5	837.6	628.5	405.3	207.0	129.4	27.0	0.0	0.0
50°	625.3	586.4	505.6	383.8	262.0	176.8	112.1	71.1	5.4	0.0	0.0
52.5°	228.5	221.0	185.4	154.2	118.6	80.9	57.1	31.3	0.0	0.0	0.0
55°	30.2	28.0	29.1	31.3	32.3	28.0	18.3	6.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	2.2	2.2	2.2	0.0	0.0	0.0	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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	0.0	1.1	2.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2



TEST NUMBER: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

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	0.0	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
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: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	85.2	85.2	85.2	85.2
2.5°	65.8	50.7	43.1	42.0
5°	45.3	28.0	20.5	19.4
7.5°	31.3	14.0	9.7	8.6
10°	18.3	6.5	3.2	2.2
12.5°	10.8	1.1	0.0	0.0
15°	3.2	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°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	0.0	0.0	0.0



TEST NUMBER: P1312596

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)