

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: P1318028

Luminaire Tested: P3SQAS13R409835DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R409835DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

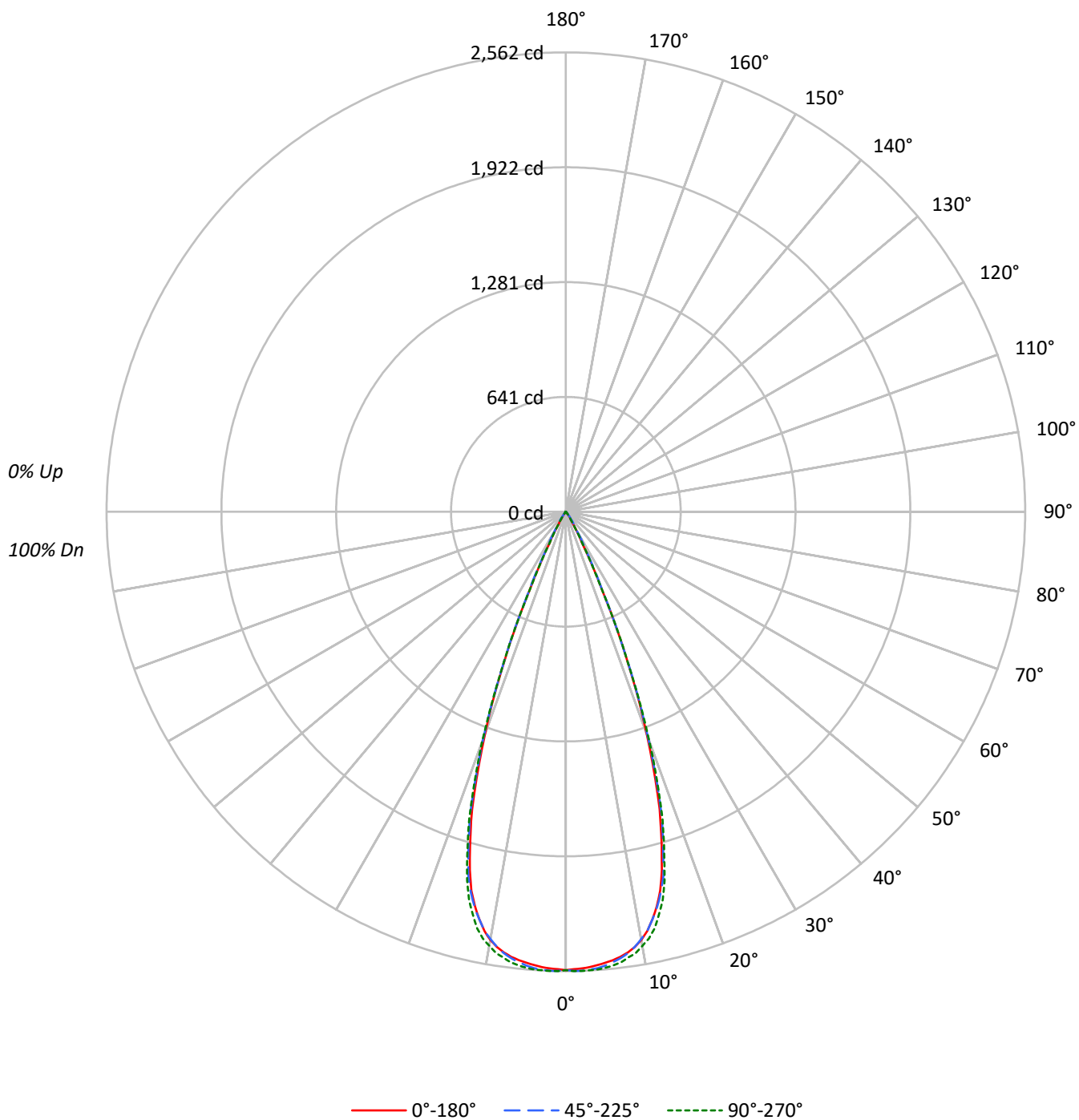
Lumens per Lamp: N/A
Luminaire Lumens: 1075.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1318028

CATALOG NUMBER: P3SQAS13R409835DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1318028

CATALOG NUMBER: P3SQAS13R409835DE010 E3SQCD1MB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	440270	440270	440270
5°	436454	439203	441295
10°	424030	423226	429854
15°	368881	374818	379400
20°	242107	246817	250006
25°	86310	91346	85873
30°	18813	25435	18972
35°	6055	10512	5887
40°	1866	3237	1709
45°	195	1096	195
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

TEST NUMBER: P1318028

CATALOG NUMBER: P3SQAS13R409835DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	22.2
10°-20°	556.7	51.8
20°-30°	249.7	23.2
30°-40°	27.0	2.5
40°-50°	2.5	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1045.5	97.3
0°-40°	1072.5	99.8
0°-60°	1075.0	100.0
0°-90°	1075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2556	2556	2556	2556	2556	
5°	2525	2531	2540	2544	2553	238
15°	2069	2084	2102	2114	2128	550
25°	454	468	481	489	452	242
35°	29	33	50	33	28	22
45°	1	2	4	2	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1318028

CATALOG NUMBER: P3SQAS13R409835DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2556.4	2556.4	2556.4	2556.4	2556.4
1°	2551.1	2556.4	2560.9	2557.1	2562.4
2°	2548.8	2554.9	2561.7	2557.9	2562.4
3°	2542.8	2550.3	2557.9	2555.6	2560.2
4°	2534.4	2540.5	2551.8	2551.8	2558.7
5°	2524.6	2531.4	2540.5	2544.3	2552.6
6°	2514.0	2517.8	2524.6	2532.2	2543.5
7°	2500.4	2500.4	2508.7	2516.3	2531.4
8°	2481.4	2479.9	2486.0	2495.8	2509.4
9°	2458.0	2452.7	2457.2	2471.6	2492.0
10°	2424.7	2420.1	2420.1	2438.3	2458.0
11°	2381.5	2380.0	2380.8	2398.2	2424.7
12°	2323.2	2324.7	2324.7	2344.4	2377.0
13°	2257.4	2256.6	2263.4	2285.4	2307.3
14°	2177.1	2181.7	2188.5	2208.2	2230.9
15°	2068.9	2084.0	2102.2	2114.3	2127.9
17.5°	1739.6	1754.7	1779.7	1789.5	1792.6
20°	1321.0	1342.9	1346.7	1366.4	1364.1
22.5°	885.7	884.2	887.2	889.5	890.2
25°	454.2	467.8	480.7	489.0	451.9
27.5°	197.6	221.0	237.7	215.7	199.8
30°	94.6	107.5	127.9	108.3	95.4
32.5°	51.5	59.8	81.0	59.0	50.7
35°	28.8	33.3	50.0	32.6	28.0
37.5°	16.7	18.2	27.3	18.2	15.9
40°	8.3	10.6	14.4	10.6	7.6
42.5°	3.0	5.3	7.6	5.3	3.0
45°	0.8	1.5	4.5	1.5	0.8
47.5°	0.0	0.0	2.3	0.0	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318028

CATALOG NUMBER: P3SQAS13R409835DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)