

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: P1309137

Luminaire Tested: P3SQAS13R359035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309137
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: P3SQAS13R359035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

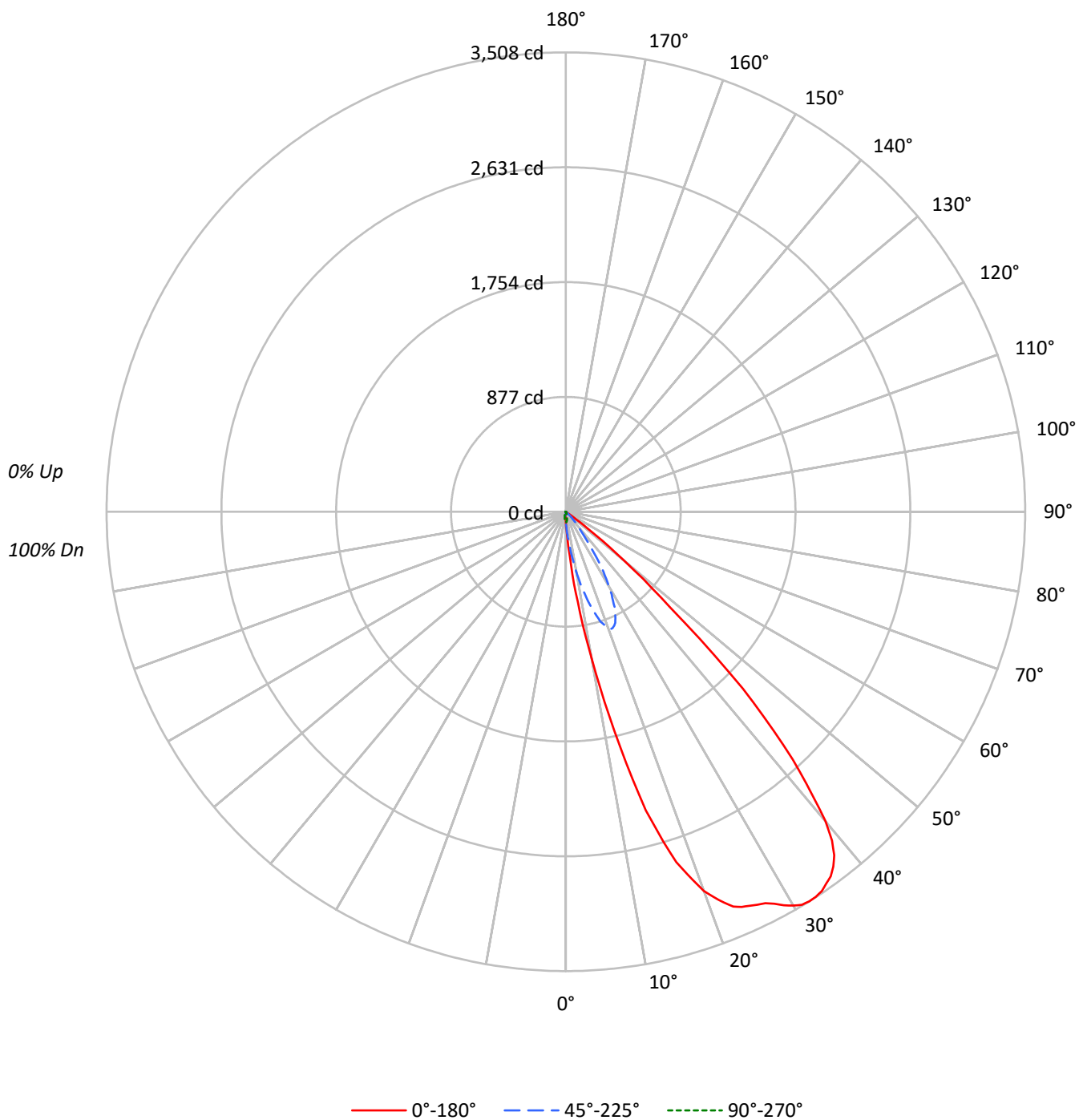
Lumens per Lamp: N/A
Luminaire Lumens: 1048.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 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	107	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°	13606	13606	13606	13606	13606
5°	59108	36651	12620	4495	3112
10°	198978	82700	9443	1049	350
15°	421051	135649	5884	0	0
20°	564562	173342	2749	0	0
25°	630946	170226	570	0	0
30°	690720	130436	0	0	0
35°	728983	71042	0	0	0
40°	692987	31925	0	0	0
45°	465101	14126	0	0	0
50°	155373	1340	0	0	0
55°	8407	0	0	0	0
60°	0	0	344	0	0
65°	0	0	815	0	0
70°	0	504	1007	0	0
75°	0	665	1331	0	0
80°	0	992	1984	0	0
85°	0	1976	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 465101 cd/sqm

TEST NUMBER: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	1.6
10°-20°	145.4	13.9
20°-30°	319.0	30.4
30°-40°	369.0	35.2
40°-50°	182.2	17.4
50°-60°	13.5	1.3
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.7	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°	481.4	45.9
0°-40°	850.5	81.1
0°-60°	1046.1	99.8
0°-90°	1048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	342	212	73	26	18	59
15°	2362	761	33	0	0	666
25°	3320	896	3	0	0	1535
35°	3467	338	0	0	0	2141
45°	1910	58	0	0	0	1402
55°	28	0	0	0	0	114
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: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2.5°	157.0	161.0	159.0	159.0	158.0	153.0	144.0	141.0	130.0	103.0	80.0
5°	341.9	342.9	339.9	324.9	311.9	299.9	273.9	261.9	212.0	126.0	73.0
7.5°	693.9	678.9	659.9	638.9	592.9	550.9	495.9	437.9	327.9	146.0	65.0
10°	1137.8	1116.8	1100.8	1050.8	967.8	881.8	776.8	681.9	472.9	160.0	54.0
12.5°	1710.6	1698.6	1641.7	1541.7	1418.7	1294.7	1111.8	960.8	618.9	163.0	44.0
15°	2361.5	2341.5	2254.5	2112.6	1945.6	1750.6	1505.7	1251.7	760.8	154.0	33.0
17.5°	2806.4	2795.4	2720.4	2571.5	2379.5	2131.6	1841.6	1524.7	877.8	135.0	23.0
20°	3080.4	3064.4	2994.4	2868.4	2667.4	2408.5	2064.6	1698.6	945.8	111.0	15.0
21°	3151.3	3135.3	3079.4	2948.4	2756.4	2478.5	2125.6	1740.6	958.8	100.0	12.0
22°	3218.3	3202.3	3143.3	3027.4	2837.4	2547.5	2173.5	1772.6	956.8	91.0	9.0
23°	3274.3	3257.3	3199.3	3092.4	2901.4	2608.5	2209.5	1788.6	943.8	82.0	7.0
24°	3303.3	3293.3	3241.3	3140.3	2953.4	2651.4	2234.5	1794.6	927.8	73.0	5.0
25°	3320.3	3308.3	3257.3	3164.3	2987.4	2685.4	2250.5	1789.6	895.8	65.0	3.0
26°	3338.3	3320.3	3262.3	3172.3	3005.4	2701.4	2251.5	1776.6	861.8	58.0	1.0
27°	3354.3	3337.3	3277.3	3178.3	3008.4	2696.4	2243.5	1751.6	820.8	51.0	1.0
28°	3389.3	3370.3	3301.3	3191.3	3011.4	2683.4	2218.5	1717.6	766.8	45.0	0.0
29°	3435.3	3415.3	3336.3	3222.3	3018.4	2669.4	2184.5	1672.7	719.8	40.0	0.0
30°	3473.3	3455.3	3382.3	3261.3	3036.4	2656.4	2144.6	1611.7	655.9	34.0	0.0
31°	3501.3	3483.3	3416.3	3294.3	3052.4	2644.4	2094.6	1548.7	597.9	30.0	0.0
32°	3508.3	3493.3	3430.3	3308.3	3052.4	2626.5	2048.6	1477.7	540.9	25.0	0.0
33°	3505.3	3490.3	3426.3	3298.3	3025.4	2583.5	1992.6	1392.7	475.9	22.0	0.0
34°	3494.3	3476.3	3408.3	3266.3	2972.4	2510.5	1911.6	1307.7	407.9	18.0	0.0
35°	3467.3	3451.3	3377.3	3206.3	2890.4	2399.5	1803.6	1209.7	337.9	15.0	0.0
36°	3441.3	3417.3	3326.3	3132.3	2782.4	2285.5	1674.7	1096.8	277.9	12.0	0.0
37°	3393.3	3359.3	3267.3	3025.4	2629.5	2124.6	1527.7	972.8	233.0	9.0	0.0
38°	3329.3	3283.3	3166.3	2901.4	2475.5	1973.6	1389.7	860.8	196.0	6.0	0.0
39°	3230.3	3176.3	3017.4	2731.4	2297.5	1798.6	1231.7	741.8	167.0	4.0	0.0
40°	3082.4	3031.4	2855.4	2529.5	2120.6	1605.7	1069.8	607.9	142.0	2.0	0.0
42.5°	2566.5	2496.5	2292.5	1968.6	1567.7	1154.8	707.9	337.9	94.0	0.0	0.0
45°	1909.6	1847.6	1647.7	1352.7	1044.8	706.9	378.9	199.0	58.0	0.0	0.0
47.5°	1078.8	1071.8	941.8	776.8	582.9	375.9	192.0	120.0	25.0	0.0	0.0
50°	579.9	543.9	468.9	355.9	242.9	164.0	104.0	66.0	5.0	0.0	0.0
52.5°	212.0	205.0	172.0	143.0	110.0	75.0	53.0	29.0	0.0	0.0	0.0
55°	28.0	26.0	27.0	29.0	30.0	26.0	17.0	6.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.0	2.0	2.0	2.0	0.0	0.0	0.0	1.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
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	1.0	2.0	2.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0



TEST NUMBER: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 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	1.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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

TEST NUMBER: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	79.0	79.0	79.0	79.0
2.5°	61.0	47.0	40.0	39.0
5°	42.0	26.0	19.0	18.0
7.5°	29.0	13.0	9.0	8.0
10°	17.0	6.0	3.0	2.0
12.5°	10.0	1.0	0.0	0.0
15°	3.0	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°	1.0	0.0	0.0	0.0
67.5°	1.0	0.0	0.0	0.0
70°	1.0	0.0	0.0	0.0
72.5°	1.0	0.0	0.0	0.0
75°	1.0	0.0	0.0	0.0
77.5°	1.0	0.0	0.0	0.0
80°	1.0	0.0	0.0	0.0



TEST NUMBER: P1309137

CATALOG NUMBER: P3SQAS13R359035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0
87.5°	1.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)