

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: P1306103

Luminaire Tested: P3SQAS17R409024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306103
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: P3SQAS17R409024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

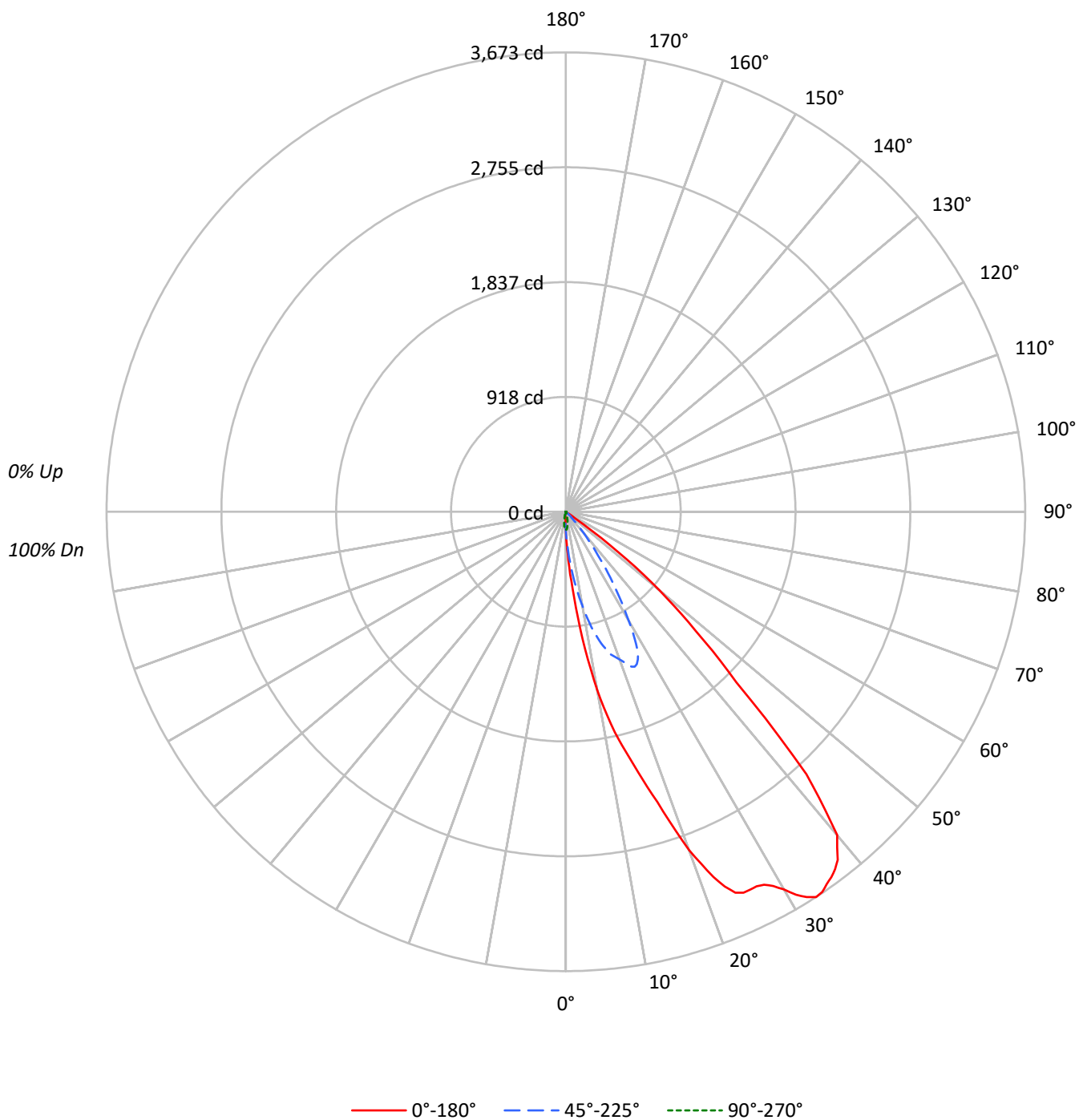
Lumens per Lamp: N/A
Luminaire Lumens: 1233.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1306103

CATALOG NUMBER: P3SQAS17R409024DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306103

CATALOG NUMBER: P3SQAS17R409024DE010 E3SQCA301MB

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°	24835	24835	24835	24835	24835
5°	105423	71849	21783	3924	1971
10°	253383	133643	13501	402	0
15°	372928	194167	5670	0	0
20°	527155	230176	2089	0	0
25°	638490	255491	0	0	0
30°	693265	199840	0	0	0
35°	764430	116980	0	0	0
40°	758725	47482	0	0	0
45°	469900	13834	0	0	0
50°	261634	295	0	0	0
55°	25582	0	0	0	0
60°	0	0	379	0	0
65°	0	0	448	0	0
70°	0	554	1158	0	0
75°	0	732	1530	0	0
80°	0	1091	2281	0	0
85°	0	2174	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 472092 cd/sqm

TEST NUMBER: P1306103

CATALOG NUMBER: P3SQAS17R409024DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	2.2
10°-20°	158.9	12.9
20°-30°	362.8	29.4
30°-40°	428.4	34.7
40°-50°	228.9	18.6
50°-60°	24.9	2.0
60°-70°	0.5	0.0
70°-80°	0.9	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°	548.7	44.5
0°-40°	977.1	79.2
0°-60°	1230.8	99.8
0°-90°	1233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1233.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	610	416	126	23	11	86
15°	2092	1089	32	0	0	621
25°	3360	1344	0	0	0	1526
35°	3636	556	0	0	0	2246
45°	1929	57	0	0	0	1591
55°	85	0	0	0	0	239
65°	0	0	1	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: P1306103

CATALOG NUMBER: P3SQAS17R409024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2
2.5°	336.1	329.3	333.8	324.8	324.8	304.3	305.5	288.4	263.4	201.0	143.1
5°	609.8	637.0	615.5	587.1	571.2	550.7	523.5	495.1	415.6	251.0	126.0
7.5°	1020.8	1018.6	982.2	951.6	916.4	861.9	810.8	741.5	591.6	287.3	104.5
10°	1448.9	1441.0	1400.1	1374.0	1307.0	1228.6	1124.2	1012.9	764.2	299.8	77.2
12.5°	1805.5	1795.3	1761.2	1716.9	1643.1	1544.3	1431.9	1285.4	945.9	286.2	50.0
15°	2091.6	2089.4	2056.4	1996.2	1919.0	1822.5	1695.3	1519.3	1089.0	251.0	31.8
17.5°	2431.2	2444.8	2385.7	2321.0	2209.7	2074.6	1919.0	1718.0	1194.6	207.8	20.4
20°	2876.3	2857.0	2802.5	2708.2	2601.5	2439.1	2218.8	1931.5	1255.9	161.2	11.4
21°	3012.5	3004.6	2947.8	2860.4	2742.3	2577.6	2350.5	2040.5	1284.3	144.2	9.1
22°	3151.1	3137.5	3093.2	3008.0	2896.7	2710.5	2460.7	2153.0	1320.6	126.0	5.7
23°	3254.4	3248.7	3214.7	3130.6	3015.9	2835.4	2579.9	2257.4	1345.6	109.0	3.4
24°	3333.9	3327.1	3293.0	3229.4	3130.6	2942.1	2700.3	2369.8	1355.8	94.2	1.1
25°	3360.0	3363.4	3343.0	3293.0	3210.1	3021.6	2790.0	2458.4	1344.5	80.6	0.0
26°	3361.1	3371.4	3356.6	3328.2	3260.1	3085.2	2874.0	2510.6	1314.9	68.1	0.0
27°	3361.1	3371.4	3356.6	3335.0	3268.0	3121.6	2919.4	2516.3	1269.5	57.9	0.0
28°	3377.0	3382.7	3363.4	3337.3	3264.6	3132.9	2931.9	2482.3	1196.8	50.0	0.0
29°	3421.3	3415.7	3383.9	3348.7	3261.2	3132.9	2894.4	2417.5	1106.0	42.0	0.0
30°	3486.1	3486.1	3436.1	3380.5	3277.1	3131.8	2834.3	2300.6	1004.9	34.1	0.0
31°	3573.5	3565.5	3515.6	3432.7	3311.2	3131.8	2745.7	2171.1	911.8	29.5	0.0
32°	3632.5	3628.0	3580.3	3482.6	3366.8	3131.8	2650.3	2028.0	810.8	23.8	0.0
33°	3673.4	3664.3	3609.8	3508.8	3400.9	3115.9	2543.6	1874.7	719.9	19.3	0.0
34°	3667.7	3665.5	3608.7	3504.2	3394.1	3050.0	2419.8	1704.4	635.9	15.9	0.0
35°	3635.9	3635.9	3566.7	3458.8	3345.3	2953.5	2297.2	1559.1	556.4	11.4	0.0
36°	3612.1	3603.0	3524.7	3404.3	3263.5	2801.3	2115.5	1412.6	471.2	9.1	0.0
37°	3576.9	3559.9	3472.4	3343.0	3147.7	2636.7	1924.7	1282.0	398.6	5.7	0.0
38°	3531.5	3505.4	3398.6	3271.4	3020.5	2447.1	1730.5	1135.5	331.6	3.4	0.0
39°	3448.6	3427.0	3316.9	3179.5	2868.3	2247.2	1542.0	998.1	268.0	1.1	0.0
40°	3374.8	3337.3	3212.4	3054.6	2690.1	2021.2	1354.7	863.0	211.2	0.0	0.0
42.5°	2845.6	2805.9	2777.5	2620.8	2142.7	1451.2	945.9	553.0	110.1	0.0	0.0
45°	1929.3	1938.3	1849.8	1744.2	1413.7	945.9	591.6	307.7	56.8	0.0	0.0
47.5°	1406.9	1383.1	1262.7	1062.8	828.9	553.0	308.9	148.8	22.7	0.0	0.0
50°	976.5	931.1	822.1	672.2	450.8	263.4	136.3	69.3	1.1	0.0	0.0
52.5°	530.3	498.5	422.4	306.6	187.4	101.1	54.5	28.4	0.0	0.0	0.0
55°	85.2	59.0	61.3	52.2	40.9	29.5	17.0	3.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1	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	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	2.3



TEST NUMBER: P1306103

CATALOG NUMBER: P3SQAS17R409024DE010 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	1.1	1.1	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	2.3
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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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	144.2	144.2	144.2	144.2
2.5°	96.5	65.9	50.0	43.1
5°	55.6	22.7	12.5	11.4
7.5°	27.3	7.9	4.5	4.5
10°	11.4	2.3	0.0	0.0
12.5°	3.4	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°	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



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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)