

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: P1315512

Luminaire Tested: P3SQAS17R359740DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315512
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: P3SQAS17R359740DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

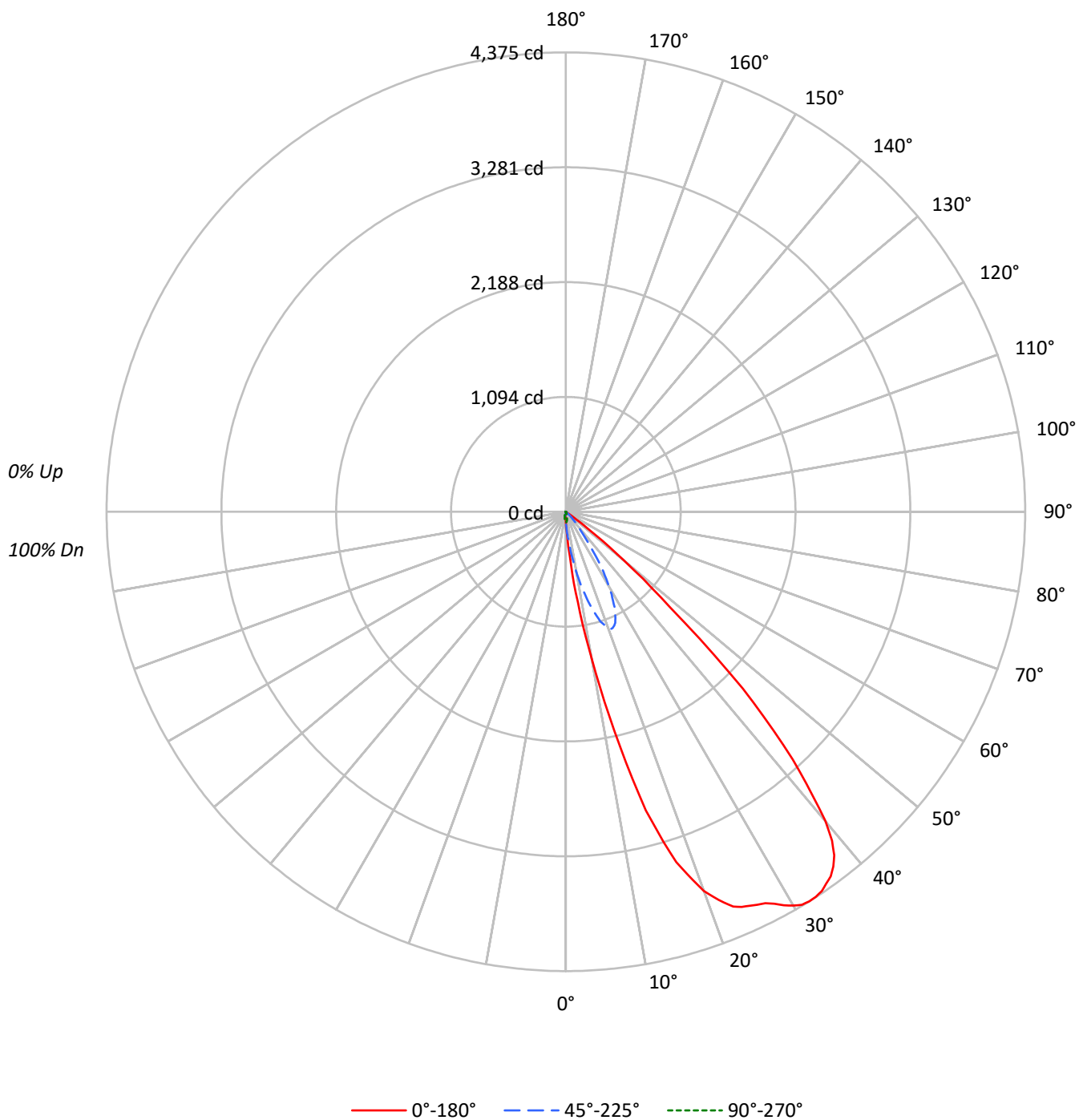
Lumens per Lamp: N/A
Luminaire Lumens: 1307.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 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	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	55	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°	16964	16964	16964	16964	16964
5°	73716	45692	15732	5601	3873
10°	248136	103144	11769	1312	437
15°	525105	169187	7328	0	0
20°	704071	216173	3427	0	0
25°	786881	212298	703	0	0
30°	861426	162672	0	0	0
35°	909142	88597	0	0	0
40°	864233	39816	0	0	0
45°	580037	17609	0	0	0
50°	193768	1661	0	0	0
55°	10479	0	0	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	1664	0	0
80°	0	1190	2479	0	0
85°	0	2371	4940	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 580037 cd/sqm

TEST NUMBER: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	1.6
10°-20°	181.3	13.9
20°-30°	397.9	30.4
30°-40°	460.2	35.2
40°-50°	227.2	17.4
50°-60°	16.8	1.3
60°-70°	0.6	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°	600.4	45.9
0°-40°	1060.6	81.2
0°-60°	1304.6	99.8
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	98	98	98	98	98	
5°	426	264	91	32	22	73
15°	2945	949	41	0	0	831
25°	4141	1117	4	0	0	1914
35°	4324	421	0	0	0	2670
45°	2382	72	0	0	0	1748
55°	35	0	0	0	0	143
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: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	195.8	200.7	198.3	198.3	197.0	190.8	179.6	175.8	162.1	128.4	99.8
5°	426.4	427.7	423.9	405.2	389.0	374.1	341.6	326.7	264.3	157.1	91.0
7.5°	865.3	846.6	822.9	796.8	739.4	687.0	618.5	546.1	409.0	182.0	81.0
10°	1418.9	1392.8	1372.8	1310.5	1207.0	1099.7	968.8	850.4	589.8	199.5	67.3
12.5°	2133.4	2118.4	2047.4	1922.7	1769.3	1614.7	1386.5	1198.2	771.8	203.2	54.9
15°	2945.1	2920.2	2811.7	2634.7	2426.4	2183.3	1877.8	1561.1	948.9	192.0	41.1
17.5°	3500.0	3486.3	3392.8	3207.0	2967.6	2658.3	2296.7	1901.5	1094.8	168.3	28.7
20°	3841.6	3821.7	3734.4	3577.3	3326.7	3003.7	2574.8	2118.4	1179.5	138.4	18.7
21°	3930.2	3910.2	3840.4	3677.0	3437.6	3091.0	2650.9	2170.8	1195.8	124.7	15.0
22°	4013.7	3993.7	3920.2	3775.5	3538.6	3177.0	2710.7	2210.7	1193.3	113.5	11.2
23°	4083.5	4062.3	3990.0	3856.6	3618.4	3253.1	2755.6	2230.7	1177.1	102.2	8.7
24°	4119.7	4107.2	4042.4	3916.4	3683.3	3306.7	2786.8	2238.1	1157.1	91.0	6.2
25°	4140.9	4125.9	4062.3	3946.4	3725.7	3349.1	2806.7	2231.9	1117.2	81.0	3.7
26°	4163.3	4140.9	4068.6	3956.3	3748.1	3369.1	2808.0	2215.7	1074.8	72.3	1.2
27°	4183.3	4162.1	4087.3	3963.8	3751.9	3362.8	2798.0	2184.5	1023.7	63.6	1.2
28°	4226.9	4203.2	4117.2	3980.0	3755.6	3346.6	2766.8	2142.1	956.4	56.1	0.0
29°	4284.3	4259.3	4160.8	4018.7	3764.3	3329.2	2724.4	2086.0	897.8	49.9	0.0
30°	4331.7	4309.2	4218.2	4067.3	3786.8	3313.0	2674.6	2010.0	818.0	42.4	0.0
31°	4366.6	4344.1	4260.6	4108.5	3806.7	3298.0	2612.2	1931.4	745.6	37.4	0.0
32°	4375.3	4356.6	4278.0	4125.9	3806.7	3275.5	2554.9	1842.9	674.6	31.2	0.0
33°	4371.6	4352.8	4273.0	4113.4	3773.0	3221.9	2485.0	1736.9	593.5	27.4	0.0
34°	4357.8	4335.4	4250.6	4073.5	3707.0	3130.9	2384.0	1630.9	508.7	22.4	0.0
35°	4324.2	4304.2	4212.0	3998.7	3604.7	2992.5	2249.4	1508.7	421.4	18.7	0.0
36°	4291.8	4261.8	4148.4	3906.5	3470.1	2850.4	2088.5	1367.8	346.6	15.0	0.0
37°	4231.9	4189.5	4074.8	3773.0	3279.3	2649.6	1905.2	1213.2	290.5	11.2	0.0
38°	4152.1	4094.7	3948.9	3618.4	3087.3	2461.3	1733.2	1073.6	244.4	7.5	0.0
39°	4028.7	3961.3	3763.1	3406.5	2865.3	2243.1	1536.2	925.2	208.2	5.0	0.0
40°	3844.1	3780.5	3561.1	3154.6	2644.6	2002.5	1334.2	758.1	177.1	2.5	0.0
42.5°	3200.7	3113.5	2859.1	2455.1	1955.1	1440.1	882.8	421.4	117.2	0.0	0.0
45°	2381.5	2304.2	2054.9	1687.0	1303.0	881.5	472.6	248.1	72.3	0.0	0.0
47.5°	1345.4	1336.7	1174.6	968.8	726.9	468.8	239.4	149.6	31.2	0.0	0.0
50°	723.2	678.3	584.8	443.9	303.0	204.5	129.7	82.3	6.2	0.0	0.0
52.5°	264.3	255.6	214.5	178.3	137.2	93.5	66.1	36.2	0.0	0.0	0.0
55°	34.9	32.4	33.7	36.2	37.4	32.4	21.2	7.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.5	2.5	2.5	0.0	0.0	0.0	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5



TEST NUMBER: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 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	1.2	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
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: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	98.5	98.5	98.5	98.5
2.5°	76.1	58.6	49.9	48.6
5°	52.4	32.4	23.7	22.4
7.5°	36.2	16.2	11.2	10.0
10°	21.2	7.5	3.7	2.5
12.5°	12.5	1.2	0.0	0.0
15°	3.7	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°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0



TEST NUMBER: P1315512

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)