

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: P1307058

Luminaire Tested: P3SQAS17R359027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307058
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: P3SQAS17R359027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

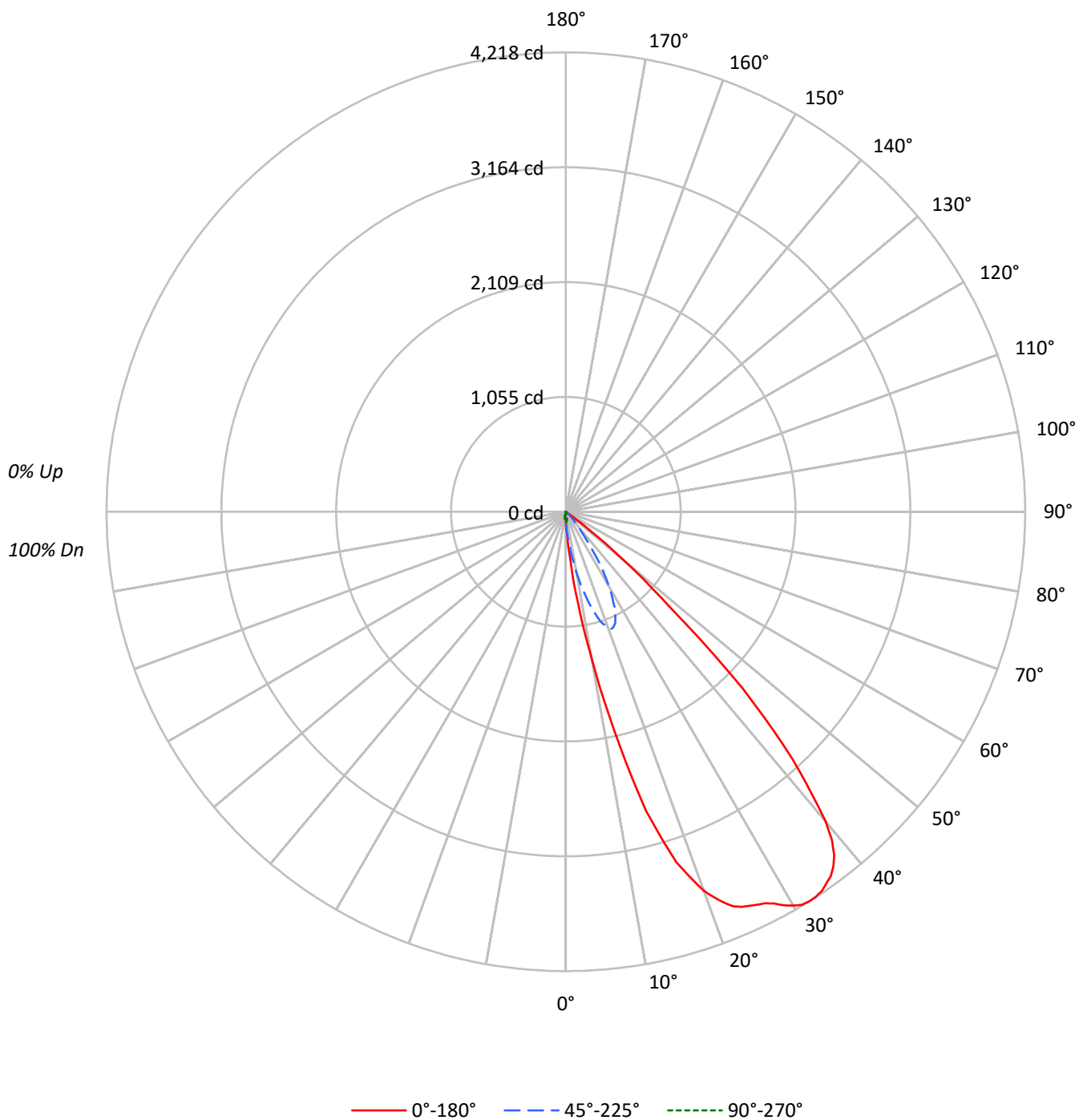
Lumens per Lamp: N/A
Luminaire Lumens: 1260.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 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	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°	16361	16361	16361	16361	16361
5°	71071	44050	15162	5411	3734
10°	239218	99436	11350	1259	420
15°	506224	163107	7078	0	0
20°	678761	208403	3299	0	0
25°	758586	204659	684	0	0
30°	830443	156806	0	0	0
35°	876448	85423	0	0	0
40°	833163	38377	0	0	0
45°	559188	16976	0	0	0
50°	186801	1608	0	0	0
55°	10119	0	0	0	0
60°	0	0	413	0	0
65°	0	0	978	0	0
70°	0	604	1209	0	0
75°	0	799	1597	0	0
80°	0	1190	2380	0	0
85°	0	2371	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 559188 cd/sqm

TEST NUMBER: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	1.6
10°-20°	174.8	13.9
20°-30°	383.6	30.4
30°-40°	443.7	35.2
40°-50°	219.0	17.4
50°-60°	16.2	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°	578.8	45.9
0°-40°	1022.5	81.2
0°-60°	1257.7	99.8
0°-90°	1260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	411	255	88	31	22	71
15°	2839	915	40	0	0	801
25°	3992	1077	4	0	0	1846
35°	4169	406	0	0	0	2574
45°	2296	70	0	0	0	1685
55°	34	0	0	0	0	137
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: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	188.7	193.5	191.1	191.1	189.9	183.9	173.1	169.5	156.3	123.8	96.2
5°	411.1	412.3	408.7	390.7	375.0	360.6	329.4	314.9	254.8	151.5	87.7
7.5°	834.2	816.2	793.3	768.1	712.8	662.3	596.2	526.5	394.3	175.5	78.1
10°	1367.9	1342.7	1323.4	1263.3	1163.6	1060.2	934.0	819.8	568.6	192.3	64.9
12.5°	2056.7	2042.3	1973.7	1853.5	1705.7	1556.6	1336.7	1155.2	744.1	195.9	52.9
15°	2839.2	2815.2	2710.6	2539.9	2339.2	2104.8	1810.3	1505.0	914.8	185.1	39.7
17.5°	3374.1	3360.9	3270.7	3091.6	2860.9	2562.7	2214.2	1833.1	1055.4	162.3	27.6
20°	3703.5	3684.2	3600.1	3448.6	3207.0	2895.7	2482.2	2042.3	1137.1	133.4	18.0
21°	3788.8	3769.6	3702.3	3544.8	3314.0	2979.9	2555.5	2092.7	1152.8	120.2	14.4
22°	3869.4	3850.1	3779.2	3639.8	3411.4	3062.8	2613.2	2131.2	1150.4	109.4	10.8
23°	3936.7	3916.2	3846.5	3717.9	3488.3	3136.1	2656.5	2150.4	1134.7	98.6	8.4
24°	3971.5	3959.5	3897.0	3775.6	3550.8	3187.8	2686.6	2157.7	1115.5	87.7	6.0
25°	3992.0	3977.5	3916.2	3804.5	3591.7	3228.7	2705.8	2151.6	1077.0	78.1	3.6
26°	4013.6	3992.0	3922.3	3814.1	3613.3	3247.9	2707.0	2136.0	1036.2	69.7	1.2
27°	4032.8	4012.4	3940.3	3821.3	3616.9	3241.9	2697.4	2106.0	986.9	61.3	1.2
28°	4074.9	4052.1	3969.1	3836.9	3620.5	3226.3	2667.3	2065.1	922.0	54.1	0.0
29°	4130.2	4106.2	4011.2	3874.2	3629.0	3209.4	2626.5	2011.0	865.5	48.1	0.0
30°	4175.9	4154.2	4066.5	3921.1	3650.6	3193.8	2578.4	1937.7	788.5	40.9	0.0
31°	4209.5	4187.9	4107.4	3960.7	3669.8	3179.4	2518.3	1862.0	718.8	36.1	0.0
32°	4218.0	4199.9	4124.2	3977.5	3669.8	3157.8	2463.0	1776.6	650.3	30.1	0.0
33°	4214.3	4196.3	4119.4	3965.5	3637.4	3106.1	2395.7	1674.4	572.2	26.4	0.0
34°	4201.1	4179.5	4097.8	3927.1	3573.7	3018.3	2298.3	1572.3	490.4	21.6	0.0
35°	4168.7	4149.4	4060.5	3854.9	3475.1	2884.9	2168.5	1454.5	406.3	18.0	0.0
36°	4137.4	4108.6	3999.2	3766.0	3345.3	2747.9	2013.4	1318.6	334.2	14.4	0.0
37°	4079.7	4038.9	3928.3	3637.4	3161.4	2554.3	1836.7	1169.6	280.1	10.8	0.0
38°	4002.8	3947.5	3806.9	3488.3	2976.2	2372.8	1670.8	1035.0	235.6	7.2	0.0
39°	3883.8	3818.9	3627.8	3284.0	2762.3	2162.5	1480.9	891.9	200.7	4.8	0.0
40°	3705.9	3644.6	3433.0	3041.2	2549.5	1930.5	1286.2	730.8	170.7	2.4	0.0
42.5°	3085.6	3001.5	2756.3	2366.8	1884.8	1388.4	851.0	406.3	113.0	0.0	0.0
45°	2295.9	2221.4	1981.0	1626.4	1256.1	849.8	455.6	239.2	69.7	0.0	0.0
47.5°	1297.0	1288.6	1132.3	934.0	700.8	452.0	230.8	144.2	30.1	0.0	0.0
50°	697.2	653.9	563.8	427.9	292.1	197.1	125.0	79.3	6.0	0.0	0.0
52.5°	254.8	246.4	206.8	171.9	132.2	90.2	63.7	34.9	0.0	0.0	0.0
55°	33.7	31.3	32.5	34.9	36.1	31.3	20.4	7.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.4	2.4	2.4	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	2.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4



TEST NUMBER: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 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	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
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: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	95.0	95.0	95.0	95.0
2.5°	73.3	56.5	48.1	46.9
5°	50.5	31.3	22.8	21.6
7.5°	34.9	15.6	10.8	9.6
10°	20.4	7.2	3.6	2.4
12.5°	12.0	1.2	0.0	0.0
15°	3.6	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: P1307058

CATALOG NUMBER: P3SQAS17R359027DE010 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)