

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: P1307205

Luminaire Tested: P3SQAS20R359027D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307205
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: P3SQAS20R359027D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

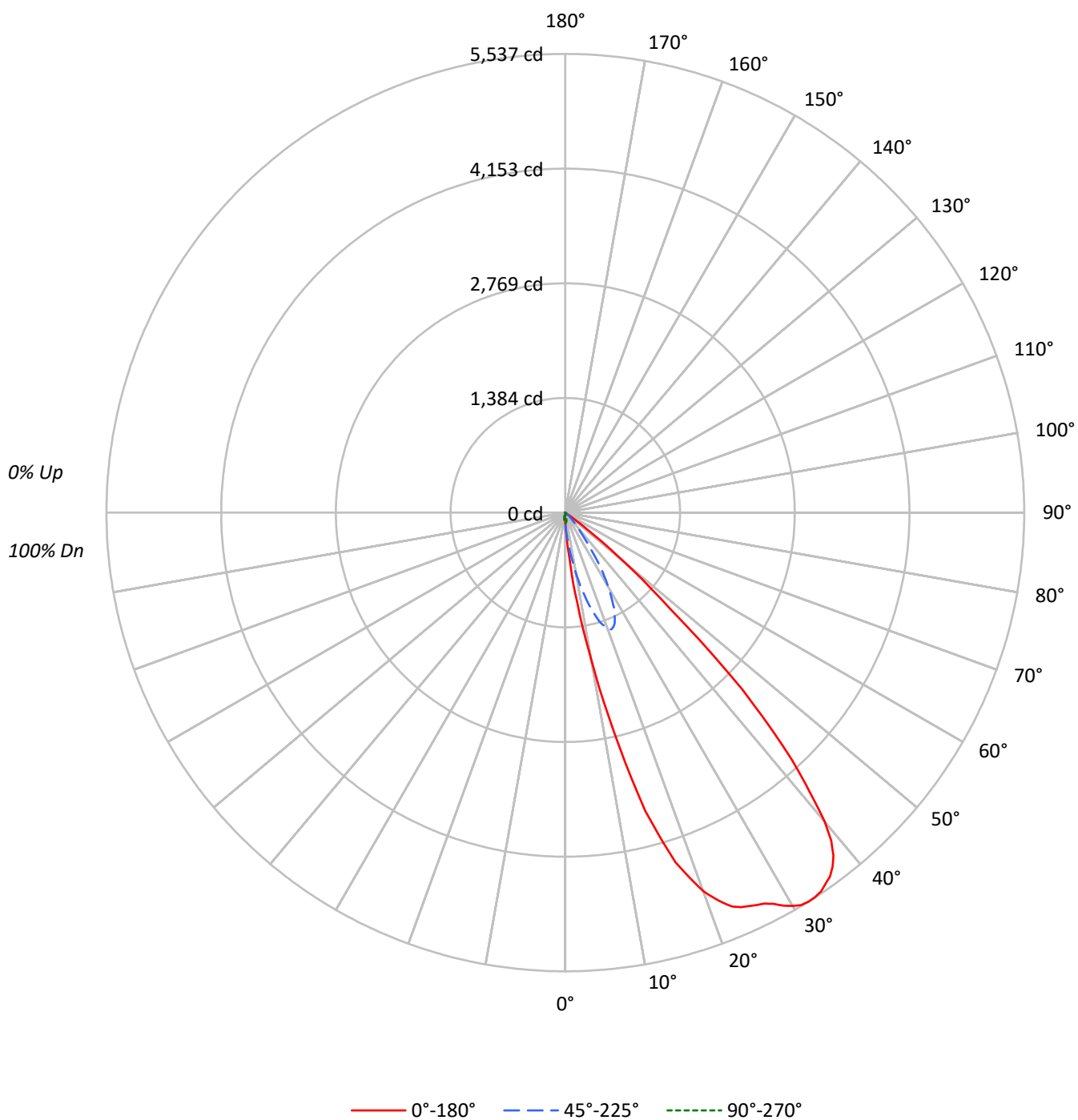
Lumens per Lamp: N/A
Luminaire Lumens: 1654.0 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1307205

CATALOG NUMBER: P3SQAS20R359027D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307205

CATALOG NUMBER: P3SQAS20R359027D010 E3SQCA301MMS

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	106	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°	21476	21476	21476	21476	21476
5°	93286	57829	19916	7088	4910
10°	314031	130530	14900	1661	560
15°	664517	214100	9289	0	0
20°	891012	273575	4344	0	0
25°	995797	268660	893	0	0
30°	1090121	205846	0	0	0
35°	1150503	112124	0	0	0
40°	1093685	50382	0	0	0
45°	734040	22286	0	0	0
50°	245210	2117	0	0	0
55°	13272	0	0	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	2129	0	0
80°	0	1587	3174	0	0
85°	0	3162	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 734040 cd/sqm

TEST NUMBER: P1307205

CATALOG NUMBER: P3SQAS20R359027D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.6
10°-20°	229.5	13.9
20°-30°	503.5	30.4
30°-40°	582.4	35.2
40°-50°	287.5	17.4
50°-60°	21.3	1.3
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	759.8	45.9
0°-40°	1342.2	81.1
0°-60°	1651.0	99.8
0°-90°	1654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	125	125	125	125	125	
5°	540	334	115	41	28	93
15°	3727	1201	52	0	0	1052
25°	5240	1414	5	0	0	2423
35°	5472	533	0	0	0	3379
45°	3014	92	0	0	0	2212
55°	44	0	0	0	0	180
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307205

CATALOG NUMBER: P3SQAS20R359027D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
2.5°	247.7	254.0	250.9	250.9	249.3	241.4	227.2	222.5	205.1	162.5	126.2
5°	539.6	541.2	536.5	512.8	492.3	473.4	432.3	413.4	334.5	198.8	115.2
7.5°	1095.1	1071.4	1041.4	1008.3	935.7	869.4	782.6	691.1	517.6	230.4	102.6
10°	1795.7	1762.5	1737.3	1658.4	1527.4	1391.7	1226.0	1076.1	746.4	252.5	85.2
12.5°	2699.8	2680.9	2590.9	2433.1	2239.1	2043.4	1754.6	1516.4	976.7	257.2	69.4
15°	3727.0	3695.5	3558.2	3334.1	3070.6	2762.9	2376.3	1975.5	1200.8	243.0	52.1
17.5°	4429.2	4411.8	4293.5	4058.4	3755.4	3364.1	2906.5	2406.3	1385.4	213.0	36.3
20°	4861.6	4836.3	4725.9	4527.0	4209.9	3801.2	3258.4	2680.9	1492.7	175.1	23.7
21°	4973.6	4948.3	4860.0	4653.3	4350.3	3911.7	3354.6	2747.1	1513.2	157.8	18.9
22°	5079.3	5054.1	4961.0	4777.9	4478.1	4020.5	3430.4	2797.6	1510.1	143.6	14.2
23°	5167.7	5140.8	5049.3	4880.5	4579.1	4116.8	3487.2	2822.9	1489.6	129.4	11.0
24°	5213.4	5197.7	5115.6	4956.2	4661.2	4184.6	3526.6	2832.4	1464.3	115.2	7.9
25°	5240.3	5221.3	5140.8	4994.1	4714.8	4238.3	3551.9	2824.5	1413.8	102.6	4.7
26°	5268.7	5240.3	5148.7	5006.7	4743.2	4263.5	3553.5	2804.0	1360.2	91.5	1.6
27°	5293.9	5267.1	5172.4	5016.2	4747.9	4255.6	3540.8	2764.5	1295.5	80.5	1.6
28°	5349.1	5319.2	5210.3	5036.7	4752.7	4235.1	3501.4	2710.9	1210.3	71.0	0.0
29°	5421.7	5390.2	5265.5	5085.6	4763.7	4213.0	3447.7	2639.9	1136.1	63.1	0.0
30°	5481.7	5453.3	5338.1	5147.2	4792.1	4192.5	3384.6	2543.6	1035.1	53.6	0.0
31°	5525.9	5497.5	5391.7	5199.2	4817.4	4173.6	3305.7	2444.2	943.6	47.3	0.0
32°	5536.9	5513.2	5413.8	5221.3	4817.4	4145.2	3233.1	2332.2	853.7	39.4	0.0
33°	5532.2	5508.5	5407.5	5205.5	4774.8	4077.3	3144.8	2198.0	751.1	34.7	0.0
34°	5514.8	5486.4	5379.1	5155.0	4691.1	3962.1	3017.0	2063.9	643.8	28.4	0.0
35°	5472.2	5447.0	5330.2	5060.4	4561.8	3787.0	2846.6	1909.3	533.3	23.7	0.0
36°	5431.2	5393.3	5249.7	4943.6	4391.3	3607.1	2643.0	1731.0	438.7	18.9	0.0
37°	5355.4	5301.8	5156.6	4774.8	4149.9	3353.1	2411.1	1535.3	367.7	14.2	0.0
38°	5254.5	5181.9	4997.3	4579.1	3906.9	3114.8	2193.3	1358.6	309.3	9.5	0.0
39°	5098.2	5013.0	4762.1	4310.9	3626.0	2838.7	1944.0	1170.8	263.5	6.3	0.0
40°	4864.7	4784.2	4506.5	3992.1	3346.8	2534.1	1688.4	959.4	224.1	3.2	0.0
42.5°	4050.5	3940.1	3618.2	3106.9	2474.2	1822.5	1117.2	533.3	148.3	0.0	0.0
45°	3013.8	2916.0	2600.4	2134.9	1648.9	1115.6	598.0	314.0	91.5	0.0	0.0
47.5°	1702.6	1691.5	1486.4	1226.0	919.9	593.3	303.0	189.3	39.4	0.0	0.0
50°	915.2	858.4	740.0	561.7	383.4	258.8	164.1	104.1	7.9	0.0	0.0
52.5°	334.5	323.5	271.4	225.6	173.6	118.3	83.6	45.8	0.0	0.0	0.0
55°	44.2	41.0	42.6	45.8	47.3	41.0	26.8	9.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	3.2	3.2	3.2	0.0	0.0	0.0	1.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2



TEST NUMBER: P1307205

CATALOG NUMBER: P3SQAS20R359027D010 E3SQCA301MMS

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	1.6	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
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°	124.7	124.7	124.7	124.7
2.5°	96.3	74.2	63.1	61.5
5°	66.3	41.0	30.0	28.4
7.5°	45.8	20.5	14.2	12.6
10°	26.8	9.5	4.7	3.2
12.5°	15.8	1.6	0.0	0.0
15°	4.7	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°	1.6	0.0	0.0	0.0
67.5°	1.6	0.0	0.0	0.0
70°	1.6	0.0	0.0	0.0
72.5°	1.6	0.0	0.0	0.0
75°	1.6	0.0	0.0	0.0
77.5°	1.6	0.0	0.0	0.0
80°	1.6	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.6	0.0	0.0	0.0
85°	1.6	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)