

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: P1317779

Luminaire Tested: P3SQAS05R709835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

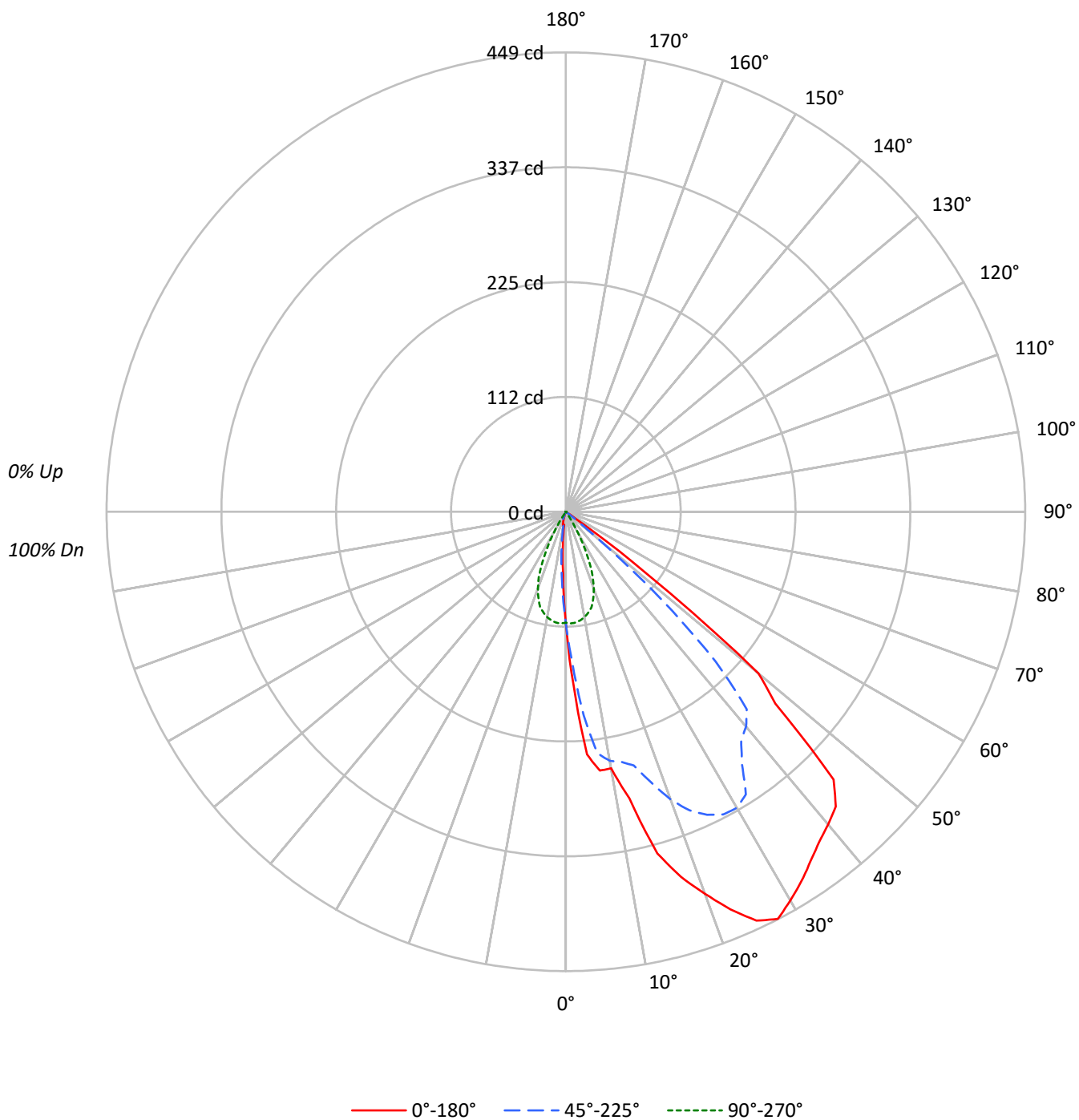
Lumens per Lamp: N/A
Luminaire Lumens: 292.0 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1317779

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317779

CATALOG NUMBER: P3SQAS05R709835DE010 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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18669	18669	18669	18669	18669
5°	41180	34542	18809	8540	5636
10°	44542	43230	18310	2378	2448
15°	61638	45769	17259	2425	1765
20°	72797	54836	14644	1430	531
25°	83783	62101	10337	228	0
30°	87262	66461	4753	0	0
35°	87672	62989	252	0	0
40°	89681	61601	0	0	0
45°	90117	50490	0	0	0
50°	65804	10476	0	0	0
55°	3723	0	0	0	0
60°	0	138	138	0	0
65°	0	0	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 91822 cd/sqm

TEST NUMBER: P1317779

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	4.1
10°-20°	39.6	13.6
20°-30°	71.2	24.4
30°-40°	86.5	29.6
40°-50°	66.8	22.9
50°-60°	15.5	5.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	122.6	42.0
0°-40°	209.1	71.6
0°-60°	291.5	99.8
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	108	108	108	108	108	
5°	238	200	109	49	33	22
15°	346	257	97	14	10	97
25°	441	327	54	1	0	201
35°	417	300	1	0	0	262
45°	370	207	0	0	0	262
55°	12	0	0	0	0	51
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1317779

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
2.5°	168.9	168.9	169.8	169.4	165.6	164.0	158.6	155.8	154.9	148.3	145.9
5°	238.2	238.6	236.5	236.1	232.0	229.1	224.6	217.6	210.6	199.8	190.4
7.5°	255.1	254.7	254.2	254.2	253.4	251.8	249.7	247.6	244.8	238.2	230.8
10°	254.7	254.7	254.2	254.2	253.8	254.2	253.8	252.6	251.4	247.2	243.1
12.5°	286.8	284.3	281.0	276.1	267.8	261.7	254.7	252.6	251.8	250.5	248.1
15°	345.7	343.7	336.7	328.0	319.8	305.7	294.6	279.4	267.4	256.7	251.4
17.5°	374.1	375.4	367.6	362.2	354.4	343.2	330.1	314.4	297.5	277.3	261.2
20°	397.2	398.5	391.9	386.5	377.4	365.9	354.4	337.5	321.4	299.2	278.1
22.5°	420.7	421.5	415.4	407.5	397.2	385.3	370.4	353.1	335.8	316.0	293.8
25°	440.9	440.1	429.8	418.7	408.8	396.0	381.6	364.7	348.2	326.8	305.7
27.5°	448.7	448.3	436.8	426.1	414.5	397.2	384.5	369.6	352.3	333.4	311.9
30°	438.8	445.4	438.0	430.2	416.2	398.9	386.5	368.8	352.7	334.2	309.9
32.5°	428.5	436.8	434.3	430.6	414.1	400.5	384.5	368.0	349.0	327.6	290.5
35°	417.0	425.7	426.1	421.9	407.1	393.5	378.7	361.4	339.9	299.6	272.4
37.5°	406.7	414.9	417.4	408.8	397.2	379.1	365.5	347.4	308.6	281.4	267.4
40°	398.9	405.1	408.8	395.2	383.6	365.9	350.2	318.5	283.5	274.0	254.2
42.5°	390.6	396.4	398.0	383.2	365.5	348.6	325.9	286.0	275.7	261.7	208.5
45°	370.0	377.0	372.9	358.5	345.3	327.6	293.8	276.5	265.4	207.3	128.2
47.5°	277.7	285.6	296.7	300.8	305.3	292.6	274.0	267.8	218.0	125.7	40.0
50°	245.6	244.4	244.4	246.4	250.1	254.2	259.6	225.8	131.0	39.1	0.0
52.5°	100.1	105.1	129.4	151.2	176.4	201.5	209.3	138.5	51.1	0.8	0.0
55°	12.4	12.4	17.3	29.7	49.0	79.1	89.0	44.5	3.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	3.3	9.1	6.2	1.6	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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: P1317779

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
2.5°	141.7	136.8	129.8	109.2	91.5	75.8	66.8	62.2
5°	181.3	169.4	153.3	108.8	74.2	49.4	37.1	32.6
7.5°	219.2	205.6	178.4	107.1	56.9	28.8	16.1	12.8
10°	235.7	225.8	201.5	104.7	41.2	13.6	13.6	14.0
12.5°	242.3	234.9	215.1	101.0	27.2	13.2	14.0	13.2
15°	246.8	239.8	221.7	96.8	15.7	13.6	11.1	9.9
17.5°	249.3	241.1	223.7	89.0	10.3	11.5	7.0	5.8
20°	257.1	243.9	225.4	79.9	9.9	7.8	3.7	2.9
22.5°	270.3	249.7	225.8	68.8	7.8	4.5	1.2	0.0
25°	282.3	257.5	227.0	54.4	2.5	1.2	0.0	0.0
27.5°	288.0	260.0	226.6	38.3	0.0	0.0	0.0	0.0
30°	281.0	253.8	222.9	23.9	0.0	0.0	0.0	0.0
32.5°	264.5	249.3	211.4	10.3	0.0	0.0	0.0	0.0
35°	259.2	239.4	185.0	1.2	0.0	0.0	0.0	0.0
37.5°	247.2	211.0	136.0	0.0	0.0	0.0	0.0	0.0
40°	212.6	152.5	64.7	0.0	0.0	0.0	0.0	0.0
42.5°	140.5	65.1	3.7	0.0	0.0	0.0	0.0	0.0
45°	49.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)