

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: P1309763

Luminaire Tested: P3SQAS02R359040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309763
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: P3SQAS02R359040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

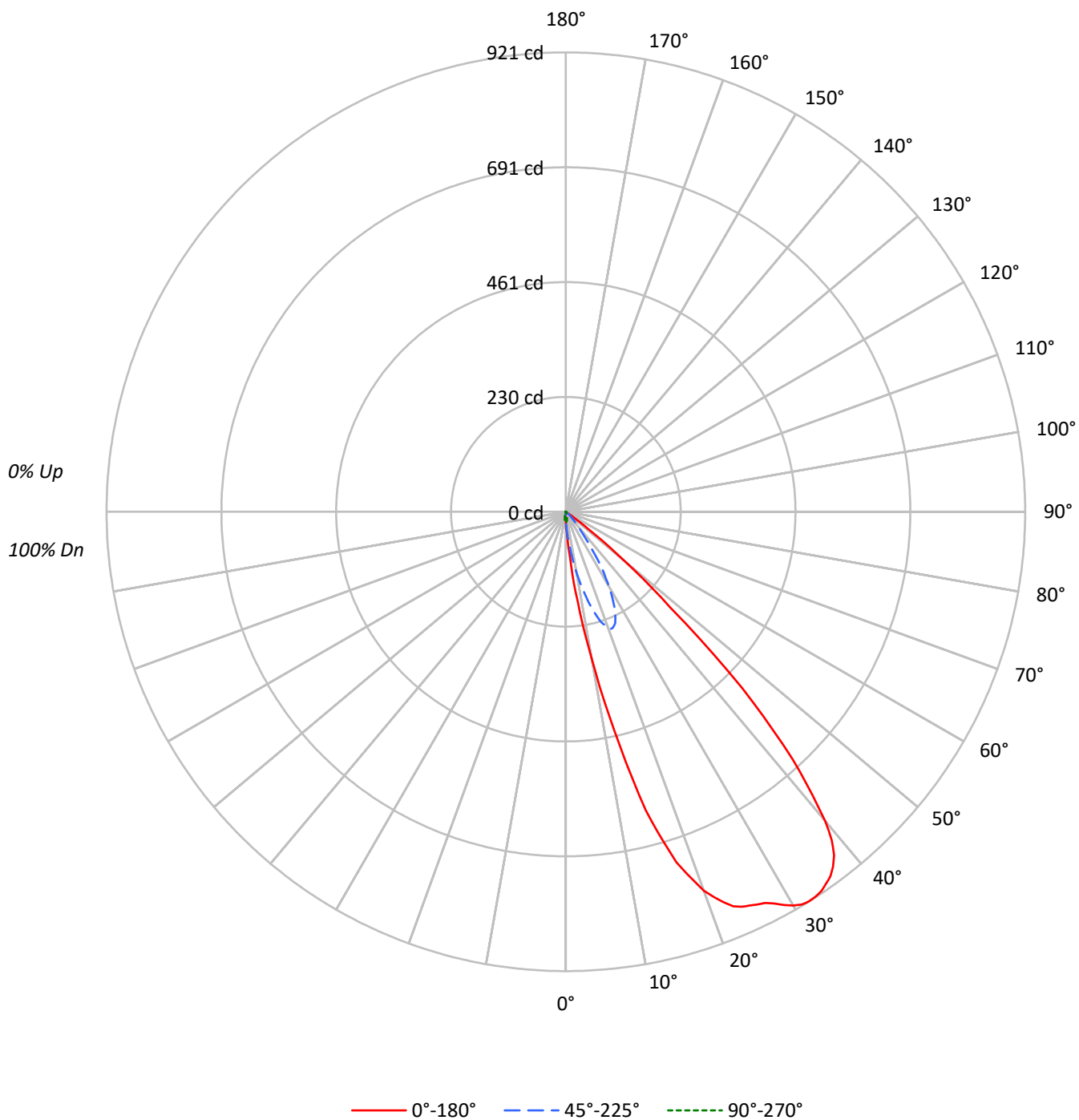
Lumens per Lamp: N/A
Luminaire Lumens: 275.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCA301MMS

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	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°	3565	3565	3565	3565	3565
5°	15507	9612	3319	1176	813
10°	52219	21703	2483	280	87
15°	110491	35588	1551	0	0
20°	148142	45489	715	0	0
25°	165570	44675	152	0	0
30°	181246	34225	0	0	0
35°	191281	18649	0	0	0
40°	181835	8386	0	0	0
45°	122048	3702	0	0	0
50°	40779	348	0	0	0
55°	2192	0	0	0	0
60°	0	0	103	0	0
65°	0	0	204	0	0
70°	0	151	252	0	0
75°	0	200	333	0	0
80°	0	298	496	0	0
85°	0	593	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 122048 cd/sqm

TEST NUMBER: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	1.6
10°-20°	38.2	13.9
20°-30°	83.7	30.4
30°-40°	96.8	35.2
40°-50°	47.8	17.4
50°-60°	3.5	1.3
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°	126.3	45.9
0°-40°	223.2	81.1
0°-60°	274.5	99.8
0°-90°	275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	90	56	19	7	5	15
15°	620	200	9	0	0	175
25°	871	235	1	0	0	403
35°	910	89	0	0	0	562
45°	501	15	0	0	0	368
55°	7	0	0	0	0	30
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: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
2.5°	41.2	42.2	41.7	41.7	41.5	40.1	37.8	37.0	34.1	27.0	21.0
5°	89.7	90.0	89.2	85.3	81.9	78.7	71.9	68.7	55.6	33.1	19.2
7.5°	182.1	178.1	173.2	167.6	155.6	144.6	130.1	114.9	86.1	38.3	17.1
10°	298.6	293.0	288.8	275.7	254.0	231.4	203.8	178.9	124.1	42.0	14.2
12.5°	448.9	445.7	430.8	404.5	372.3	339.7	291.7	252.1	162.4	42.8	11.5
15°	619.7	614.4	591.6	554.3	510.5	459.4	395.1	328.5	199.6	40.4	8.7
17.5°	736.4	733.5	713.9	674.8	624.4	559.3	483.2	400.1	230.3	35.4	6.0
20°	808.3	804.1	785.7	752.7	699.9	632.0	541.8	445.7	248.2	29.1	3.9
21°	826.9	822.7	808.0	773.7	723.3	650.4	557.8	456.8	251.6	26.2	3.1
22°	844.5	840.3	824.8	794.4	744.5	668.5	570.3	465.1	251.1	23.9	2.4
23°	859.2	854.7	839.5	811.4	761.3	684.5	579.8	469.3	247.7	21.5	1.8
24°	866.8	864.2	850.5	824.0	775.0	695.8	586.4	470.9	243.5	19.2	1.3
25°	871.3	868.1	854.7	830.3	783.9	704.7	590.5	469.6	235.1	17.1	0.8
26°	876.0	871.3	856.0	832.4	788.6	708.9	590.8	466.2	226.1	15.2	0.3
27°	880.2	875.7	860.0	834.0	789.4	707.6	588.7	459.6	215.4	13.4	0.3
28°	889.4	884.4	866.3	837.4	790.2	704.1	582.2	450.7	201.2	11.8	0.0
29°	901.4	896.2	875.5	845.6	792.0	700.5	573.2	438.9	188.9	10.5	0.0
30°	911.4	906.7	887.5	855.8	796.8	697.1	562.7	422.9	172.1	8.9	0.0
31°	918.7	914.0	896.4	864.4	801.0	693.9	549.6	406.4	156.9	7.9	0.0
32°	920.6	916.7	900.1	868.1	801.0	689.2	537.6	387.8	141.9	6.6	0.0
33°	919.8	915.9	899.1	865.5	793.9	677.9	522.9	365.5	124.9	5.8	0.0
34°	916.9	912.2	894.4	857.1	780.0	658.8	501.6	343.2	107.0	4.7	0.0
35°	909.8	905.6	886.2	841.4	758.5	629.6	473.3	317.4	88.7	3.9	0.0
36°	903.0	896.7	872.8	821.9	730.1	599.7	439.4	287.8	72.9	3.1	0.0
37°	890.4	881.5	857.4	793.9	690.0	557.5	400.9	255.3	61.1	2.4	0.0
38°	873.6	861.6	830.9	761.3	649.6	517.9	364.7	225.9	51.4	1.6	0.0
39°	847.7	833.5	791.8	716.7	602.9	472.0	323.2	194.7	43.8	1.0	0.0
40°	808.8	795.4	749.3	663.7	556.4	421.3	280.7	159.5	37.3	0.5	0.0
42.5°	673.5	655.1	601.6	516.6	411.4	303.0	185.7	88.7	24.7	0.0	0.0
45°	501.1	484.8	432.4	355.0	274.2	185.5	99.4	52.2	15.2	0.0	0.0
47.5°	283.1	281.2	247.1	203.8	152.9	98.6	50.4	31.5	6.6	0.0	0.0
50°	152.2	142.7	123.0	93.4	63.8	43.0	27.3	17.3	1.3	0.0	0.0
52.5°	55.6	53.8	45.1	37.5	28.9	19.7	13.9	7.6	0.0	0.0	0.0
55°	7.3	6.8	7.1	7.6	7.9	6.8	4.5	1.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.5	0.5	0.5	0.0	0.0	0.0	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5



TEST NUMBER: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 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	0.3	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
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: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	20.7	20.7	20.7	20.7
2.5°	16.0	12.3	10.5	10.2
5°	11.0	6.8	5.0	4.7
7.5°	7.6	3.4	2.4	2.1
10°	4.5	1.6	0.8	0.5
12.5°	2.6	0.3	0.0	0.0
15°	0.8	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°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0

TEST NUMBER: P1309763

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)