

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: P1308288

Luminaire Tested: P3SQAS20R259030D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259030D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

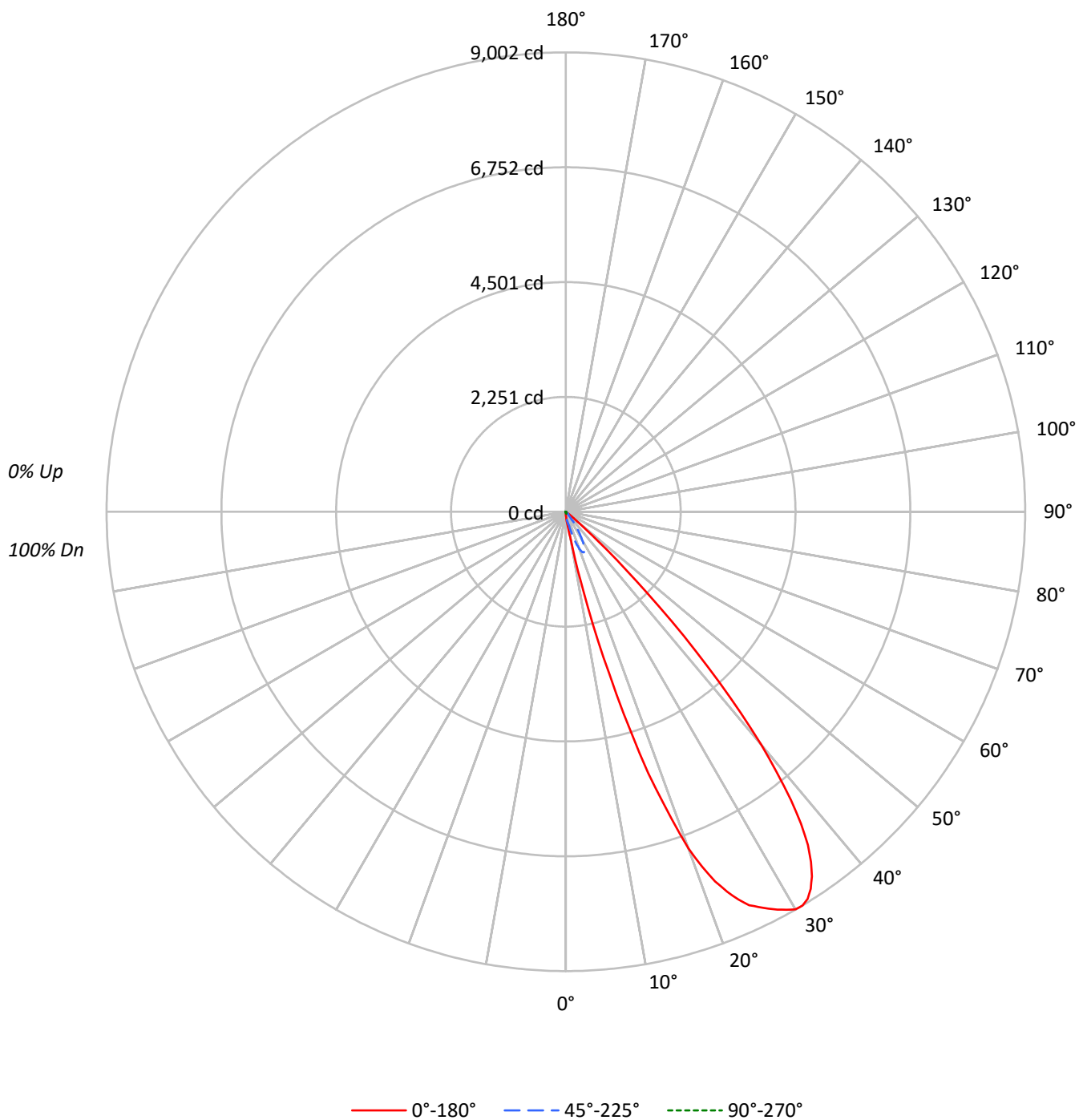
Lumens per Lamp: N/A
Luminaire Lumens: 1764.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 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	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9610	9610	9610	9610	9610
5°	30081	21022	8765	4668	3509
10°	94837	38124	6506	595	0
15°	586529	72603	3923	0	0
20°	1286008	141507	1246	0	0
25°	1616538	162777	0	0	0
30°	1789512	126001	0	0	0
35°	1761538	71399	0	0	0
40°	1338965	18615	0	0	0
45°	542359	8232	0	0	0
50°	60204	911	0	0	0
55°	4564	0	510	0	0
60°	0	0	586	0	0
65°	0	0	1386	0	0
70°	0	856	1712	0	0
75°	0	1131	3394	0	0
80°	0	1686	5058	0	0
85°	0	3359	10078	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 542359 cd/sqm

TEST NUMBER: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.5
10°-20°	182.2	10.3
20°-30°	636.9	36.1
30°-40°	710.5	40.3
40°-50°	214.6	12.2
50°-60°	7.2	0.4
60°-70°	1.0	0.1
70°-80°	1.5	0.1
80°-90°	1.4	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°	827.8	46.9
0°-40°	1538.3	87.2
0°-60°	1760.1	99.8
0°-90°	1764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	174	122	51	27	20	27
15°	3290	407	22	0	0	1094
25°	8507	857	0	0	0	3881
35°	8378	340	0	0	0	5030
45°	2227	34	0	0	0	1923
55°	15	0	2	0	0	47
65°	0	0	3	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
2.5°	96.3	99.7	98.0	99.7	98.0	98.0	98.0	99.7	98.0	98.0	98.0
5°	174.0	175.7	175.7	174.0	174.0	177.4	174.0	175.7	170.6	174.0	172.3
7.5°	285.5	282.2	282.2	283.8	283.8	280.5	278.8	275.4	278.8	278.8	273.7
10°	542.3	539.0	530.5	527.1	530.5	530.5	513.6	517.0	518.7	503.5	498.4
12.5°	1593.3	1581.4	1605.1	1567.9	1545.9	1510.5	1530.7	1461.5	1446.3	1436.1	1412.5
15°	3289.6	3379.1	3340.3	3343.6	3350.4	3265.9	3294.6	3189.9	3102.0	3075.0	3056.4
17.5°	5364.4	5391.4	5355.9	5339.0	5332.3	5291.7	5242.7	5190.3	5122.8	5063.6	5014.6
20°	7016.8	6996.5	6935.7	6942.4	6869.8	6832.6	6790.4	6738.0	6685.6	6599.4	6516.6
21°	7452.7	7393.5	7395.2	7354.7	7353.0	7305.7	7231.3	7177.3	7130.0	7032.0	6979.6
22°	7810.8	7797.3	7766.9	7736.5	7704.4	7680.8	7598.0	7570.9	7474.6	7393.5	7319.2
23°	8089.6	8094.7	8067.7	8047.4	8003.5	7993.3	7886.9	7849.7	7783.8	7660.5	7584.4
24°	8321.1	8312.6	8282.2	8246.8	8221.4	8197.8	8116.7	8055.8	7983.2	7881.8	7807.5
25°	8506.9	8486.7	8466.4	8439.4	8398.8	8371.8	8289.0	8221.4	8158.9	8045.7	7944.3
26°	8616.8	8621.8	8589.7	8569.5	8534.0	8506.9	8420.8	8341.4	8263.6	8142.0	8050.8
27°	8728.3	8723.2	8694.5	8664.1	8626.9	8616.8	8517.1	8434.3	8354.9	8226.5	8118.3
28°	8831.3	8817.8	8794.2	8758.7	8718.1	8687.7	8591.4	8505.3	8419.1	8282.2	8164.0
29°	8917.5	8904.0	8888.8	8843.2	8790.8	8770.5	8667.5	8562.7	8476.5	8336.3	8211.3
30°	8998.6	8973.3	8937.8	8898.9	8848.2	8809.4	8701.2	8610.0	8508.6	8353.2	8233.2
31°	9002.0	8968.2	8942.9	8902.3	8844.9	8797.6	8684.4	8591.4	8473.2	8327.9	8197.8
32°	8942.9	8926.0	8885.4	8841.5	8785.7	8738.4	8613.4	8515.4	8403.9	8248.4	8118.3
33°	8809.4	8792.5	8768.8	8723.2	8650.6	8606.6	8495.1	8387.0	8277.2	8136.9	7988.3
34°	8625.2	8604.9	8574.5	8528.9	8454.6	8409.0	8319.4	8207.9	8091.3	7946.0	7807.5
35°	8378.5	8339.7	8331.2	8263.6	8194.4	8182.6	8076.1	7959.5	7841.3	7680.8	7560.8
36°	8072.7	8027.1	7996.7	7973.0	7927.4	7871.7	7766.9	7674.0	7521.9	7418.9	7249.9
37°	7655.4	7599.7	7628.4	7564.2	7493.2	7469.6	7336.1	7251.6	7123.2	6983.0	6839.3
38°	7168.8	7163.7	7157.0	7128.3	7006.6	6944.1	6888.3	6798.8	6687.3	6518.3	6324.0
39°	6553.8	6563.9	6528.5	6531.8	6471.0	6408.5	6330.8	6229.4	6094.3	5940.5	5783.4
40°	5955.7	5812.1	5837.4	5751.3	5756.3	5663.4	5562.0	5472.5	5386.3	5251.2	5036.6
42.5°	4120.8	4098.9	4022.8	3968.8	3992.4	3872.5	3739.0	3614.0	3494.0	3342.0	3154.4
45°	2226.8	2176.2	2191.4	2103.5	2103.5	2049.4	2012.3	1907.5	1796.0	1726.7	1618.6
47.5°	827.9	838.0	856.6	821.1	780.6	804.2	768.8	768.8	750.2	728.2	697.8
50°	224.7	228.1	224.7	224.7	219.6	216.3	209.5	207.8	206.1	201.1	192.6
52.5°	91.2	86.2	86.2	87.9	87.9	84.5	86.2	86.2	84.5	82.8	82.8
55°	15.2	16.9	16.9	16.9	16.9	15.2	15.2	16.9	18.6	16.9	16.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
2.5°	94.6	82.8	69.3	57.4	45.6	38.9	35.5	37.2
5°	160.5	121.6	79.4	50.7	35.5	27.0	22.0	20.3
7.5°	246.7	167.3	89.5	43.9	27.0	13.5	8.4	6.8
10°	378.5	218.0	96.3	37.2	16.9	3.4	0.0	0.0
12.5°	971.5	267.0	98.0	30.4	6.8	0.0	0.0	0.0
15°	1997.1	407.2	94.6	22.0	1.7	0.0	0.0	0.0
17.5°	3320.0	623.4	82.8	15.2	0.0	0.0	0.0	0.0
20°	4605.7	772.1	65.9	6.8	0.0	0.0	0.0	0.0
21°	4992.7	816.1	59.1	5.1	0.0	0.0	0.0	0.0
22°	5308.6	848.2	52.4	3.4	0.0	0.0	0.0	0.0
23°	5572.2	865.1	45.6	1.7	0.0	0.0	0.0	0.0
24°	5756.3	868.4	42.2	1.7	0.0	0.0	0.0	0.0
25°	5844.2	856.6	37.2	0.0	0.0	0.0	0.0	0.0
26°	5878.0	833.0	33.8	0.0	0.0	0.0	0.0	0.0
27°	5852.6	802.5	30.4	0.0	0.0	0.0	0.0	0.0
28°	5807.0	756.9	25.3	0.0	0.0	0.0	0.0	0.0
29°	5717.5	696.1	22.0	0.0	0.0	0.0	0.0	0.0
30°	5631.3	633.6	18.6	0.0	0.0	0.0	0.0	0.0
31°	5533.3	577.8	15.2	0.0	0.0	0.0	0.0	0.0
32°	5413.4	513.6	11.8	0.0	0.0	0.0	0.0	0.0
33°	5214.0	454.5	8.4	0.0	0.0	0.0	0.0	0.0
34°	4935.2	398.7	6.8	0.0	0.0	0.0	0.0	0.0
35°	4561.8	339.6	5.1	0.0	0.0	0.0	0.0	0.0
36°	4152.9	277.1	3.4	0.0	0.0	0.0	0.0	0.0
37°	3652.8	201.1	3.4	0.0	0.0	0.0	0.0	0.0
38°	3130.8	126.7	1.7	0.0	0.0	0.0	0.0	0.0
39°	2596.9	96.3	1.7	0.0	0.0	0.0	0.0	0.0
40°	2108.6	82.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1128.6	55.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	665.7	33.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	371.7	13.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	133.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	52.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	18.6	0.0	0.0	1.7	0.0	0.0	0.0	0.0
57.5°	1.7	0.0	1.7	1.7	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.7	1.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.7	3.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.4	3.4	1.7	0.0	0.0	0.0
67.5°	0.0	1.7	3.4	3.4	1.7	0.0	0.0	0.0
70°	0.0	1.7	3.4	3.4	1.7	0.0	0.0	0.0
72.5°	0.0	1.7	3.4	5.1	1.7	0.0	0.0	0.0
75°	0.0	1.7	3.4	5.1	1.7	0.0	0.0	0.0
77.5°	0.0	1.7	3.4	5.1	1.7	0.0	0.0	0.0
80°	0.0	1.7	3.4	5.1	1.7	0.0	0.0	0.0



TEST NUMBER: P1308288

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.7	3.4	5.1	1.7	0.0	0.0	0.0
85°	0.0	1.7	3.4	5.1	1.7	0.0	0.0	0.0
87.5°	0.0	1.7	3.4	5.1	1.7	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)