

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: P1314113

Luminaire Tested: P3SQAS05R559735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

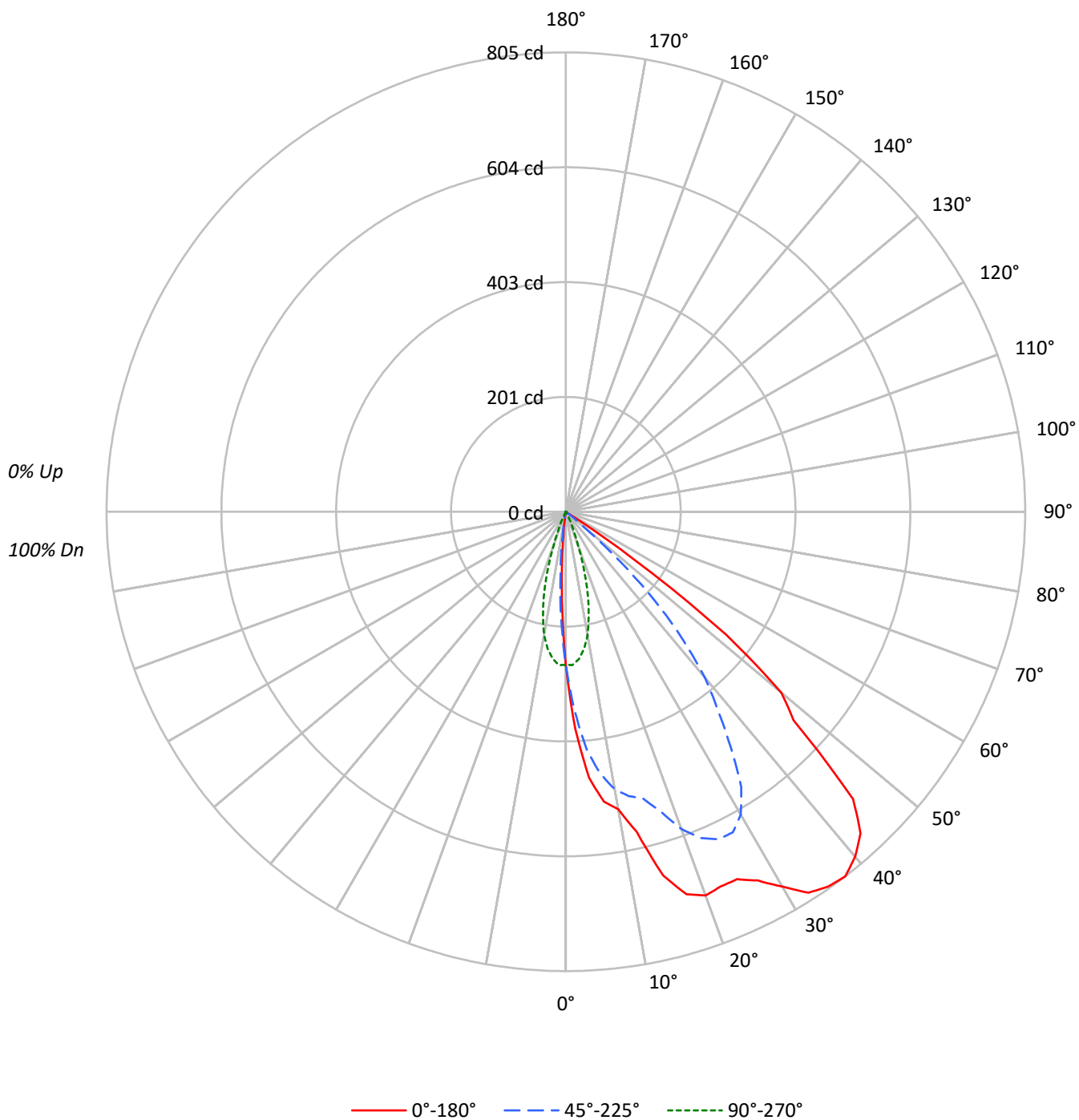
Lumens per Lamp: N/A
Luminaire Lumens: 496.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314113

CATALOG NUMBER: P3SQAS05R559735DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314113

CATALOG NUMBER: P3SQAS05R559735DE010 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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	46156	46156	46156	46156	46156
5°	80908	72126	44811	18619	10719
10°	92599	86320	38316	2046	734
15°	117677	92661	26263	410	250
20°	131134	108407	11528	0	0
25°	134995	120287	3268	0	0
30°	150820	121885	457	0	0
35°	168553	105837	0	0	0
40°	177316	85207	0	0	0
45°	173366	53802	0	0	0
50°	132010	10985	0	0	0
55°	43238	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	893	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 173366 cd/sqm

TEST NUMBER: P1314113

CATALOG NUMBER: P3SQAS05R559735DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	4.9
10°-20°	71.8	14.5
20°-30°	116.7	23.5
30°-40°	138.7	28.0
40°-50°	113.4	22.9
50°-60°	30.1	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	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°	213.0	42.9
0°-40°	351.7	70.9
0°-60°	495.2	99.8
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	268	268	268	268	268	
5°	468	417	259	108	62	46
15°	660	520	147	2	1	185
25°	710	633	17	0	0	335
35°	802	503	0	0	0	498
45°	712	221	0	0	0	511
55°	144	0	0	0	0	162
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: P1314113

CATALOG NUMBER: P3SQAS05R559735DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0
2.5°	380.4	377.6	378.0	376.6	378.0	372.0	365.4	359.4	354.7	348.2	308.6
5°	468.0	463.3	461.9	460.1	458.2	450.7	444.7	437.2	428.4	417.2	344.5
7.5°	512.3	508.5	506.7	507.6	503.4	500.6	492.7	484.3	475.0	462.9	371.5
10°	529.5	525.8	525.3	524.8	524.4	522.5	518.8	511.3	502.9	493.6	386.9
12.5°	574.7	566.3	560.7	554.2	546.3	536.0	527.6	521.1	517.9	510.4	393.9
15°	660.0	652.1	646.0	637.6	622.7	600.8	580.8	555.1	532.8	519.7	391.1
17.5°	702.9	699.2	694.0	688.5	678.2	662.4	641.8	614.8	586.4	549.6	377.6
20°	715.5	713.6	709.9	707.6	700.6	689.4	675.4	654.4	627.9	591.5	356.6
22.5°	710.4	711.8	713.6	719.7	720.6	712.7	699.6	679.6	652.6	619.0	324.4
25°	710.4	709.4	709.4	722.0	729.9	726.2	716.9	698.7	671.2	633.0	284.8
27.5°	728.5	722.9	711.3	724.3	737.4	736.0	727.6	706.2	675.4	633.5	236.3
30°	758.4	746.3	727.1	739.3	751.4	746.3	732.7	705.2	666.1	612.9	177.1
32.5°	791.5	785.9	776.1	784.0	782.1	761.6	737.4	699.2	647.0	571.9	119.3
35°	801.7	802.7	796.1	794.7	784.0	763.0	737.4	681.9	606.9	503.4	70.8
37.5°	805.0	805.4	795.2	782.1	766.3	741.6	710.8	646.5	532.8	437.2	37.8
40°	788.7	788.2	771.4	755.6	737.9	713.6	668.9	571.9	462.4	379.0	13.5
42.5°	764.4	758.4	742.5	722.9	701.5	671.2	601.3	482.9	401.8	303.4	0.9
45°	711.8	706.2	693.6	672.6	648.8	606.0	495.5	414.8	326.7	220.9	0.0
47.5°	541.2	538.4	551.4	554.2	553.7	504.8	413.4	338.4	240.0	128.6	0.0
50°	492.7	489.0	475.9	459.1	429.3	388.3	331.4	250.8	140.8	41.0	0.0
52.5°	353.8	365.9	368.7	356.1	328.1	287.6	228.4	144.5	48.9	0.0	0.0
55°	144.0	136.6	142.2	149.2	154.8	142.2	105.3	51.3	0.5	0.0	0.0
57.5°	0.0	0.5	2.8	6.5	10.7	13.5	14.4	0.9	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	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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: P1314113

CATALOG NUMBER: P3SQAS05R559735DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	268.0	268.0	268.0	268.0	268.0
2.5°	268.9	227.5	187.4	165.5	154.8
5°	259.2	173.9	107.7	74.6	62.0
7.5°	242.8	119.3	42.9	17.7	12.6
10°	219.1	68.5	11.7	4.7	4.2
12.5°	185.0	31.2	4.2	3.3	3.3
15°	147.3	10.7	2.3	1.9	1.4
17.5°	103.5	2.8	0.9	0.0	0.0
20°	62.9	0.5	0.0	0.0	0.0
22.5°	35.0	0.0	0.0	0.0	0.0
25°	17.2	0.0	0.0	0.0	0.0
27.5°	7.5	0.0	0.0	0.0	0.0
30°	2.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	0.9	0.5	0.5	0.0	0.0
80°	0.9	0.5	0.5	0.0	0.0
82.5°	0.9	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	0.9	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)