

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: P1316881

Luminaire Tested: P3SQAS05R559830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316881
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: P3SQAS05R559830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

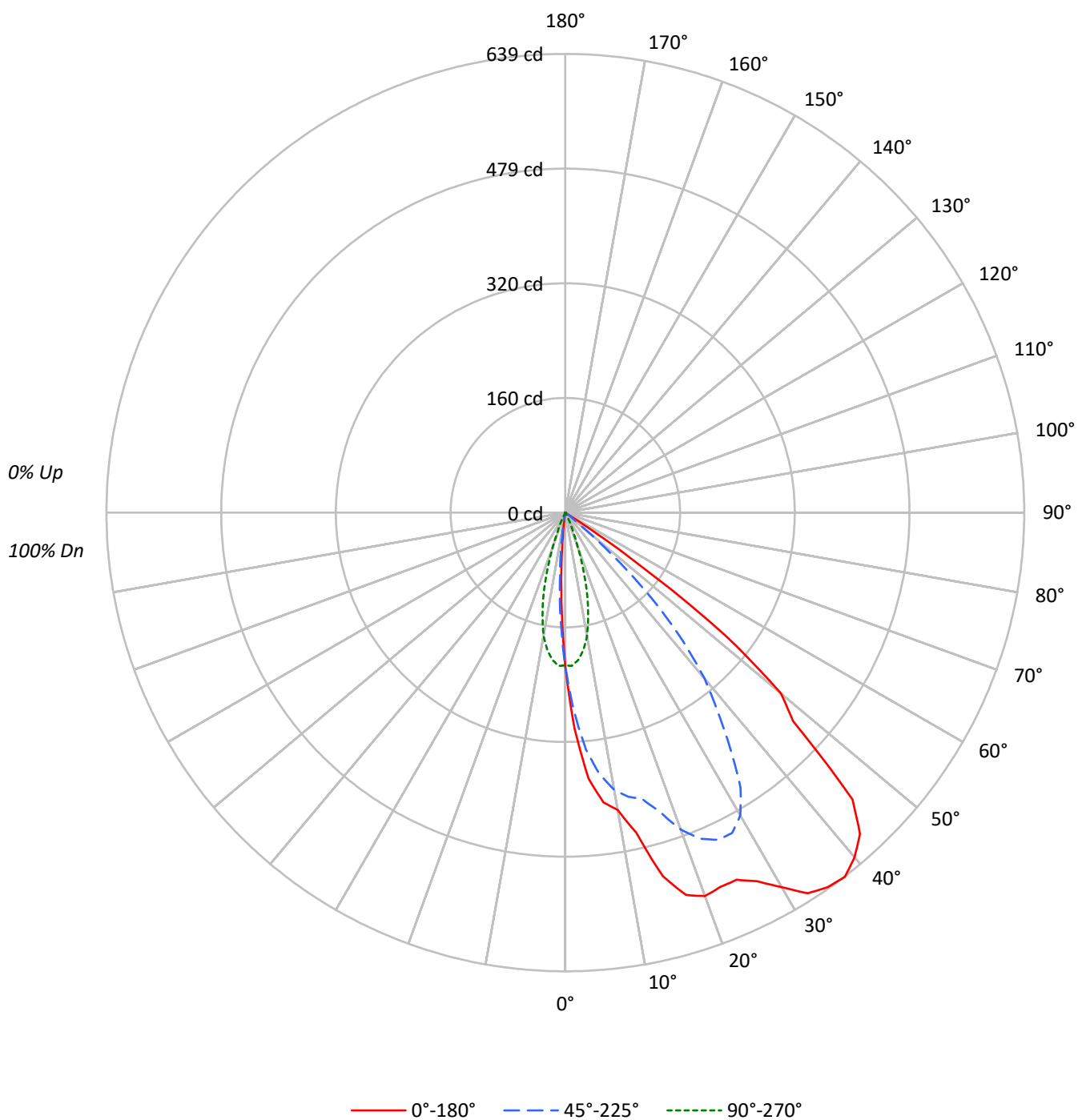
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316881

CATALOG NUMBER: P3SQAS05R559830DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316881

CATALOG NUMBER: P3SQAS05R559830DE010 E3SQCA301MB

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	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°	36666	36666	36666	36666	36666
5°	64260	57293	35596	14781	8506
10°	73554	68570	30429	1626	577
15°	93482	73601	20861	339	196
20°	104174	86121	9164	0	0
25°	107232	95545	2603	0	0
30°	119797	96828	378	0	0
35°	133905	84077	0	0	0
40°	140850	67671	0	0	0
45°	137709	42745	0	0	0
50°	104868	8735	0	0	0
55°	34350	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	694	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 137709 cd/sqm

TEST NUMBER: P1316881

CATALOG NUMBER: P3SQAS05R559830DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	4.9
10°-20°	57.0	14.5
20°-30°	92.7	23.5
30°-40°	110.2	28.0
40°-50°	90.1	22.9
50°-60°	23.9	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	169.2	42.9
0°-40°	279.3	70.9
0°-60°	393.3	99.8
0°-90°	394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	213	213	213	213	213	
5°	372	331	206	86	49	36
15°	524	413	117	2	1	147
25°	564	503	14	0	0	266
35°	637	400	0	0	0	396
45°	565	176	0	0	0	406
55°	114	0	0	0	0	129
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: P1316881

CATALOG NUMBER: P3SQAS05R559830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9
2.5°	302.1	299.9	300.3	299.2	300.3	295.5	290.3	285.5	281.8	276.6	245.1
5°	371.7	368.0	366.9	365.4	364.0	358.0	353.2	347.3	340.3	331.4	273.6
7.5°	406.9	404.0	402.5	403.2	399.9	397.7	391.4	384.7	377.3	367.7	295.1
10°	420.6	417.7	417.3	416.9	416.5	415.1	412.1	406.2	399.5	392.1	307.3
12.5°	456.5	449.9	445.4	440.2	433.9	425.8	419.1	414.0	411.4	405.4	312.9
15°	524.3	518.0	513.2	506.5	494.7	477.3	461.3	441.0	423.2	412.8	310.6
17.5°	558.4	555.4	551.3	546.9	538.7	526.1	509.9	488.4	465.8	436.5	299.9
20°	568.4	566.9	563.9	562.1	556.5	547.6	536.5	519.8	498.7	469.9	283.3
22.5°	564.3	565.4	566.9	571.7	572.4	566.1	555.8	539.8	518.4	491.7	257.7
25°	564.3	563.5	563.5	573.5	579.8	576.9	569.5	555.0	533.2	502.8	226.2
27.5°	578.7	574.3	565.0	575.4	585.8	584.6	578.0	560.9	536.5	503.2	187.7
30°	602.4	592.8	577.6	587.2	596.9	592.8	582.1	560.2	529.1	486.9	140.7
32.5°	628.7	624.3	616.5	622.8	621.3	605.0	585.8	555.4	513.9	454.3	94.8
35°	636.9	637.6	632.4	631.3	622.8	606.1	585.8	541.7	482.1	399.9	56.3
37.5°	639.4	639.8	631.7	621.3	608.7	589.1	564.6	513.6	423.2	347.3	30.0
40°	626.5	626.1	612.8	600.2	586.1	566.9	531.3	454.3	367.3	301.0	10.7
42.5°	607.2	602.4	589.8	574.3	557.2	533.2	477.6	383.6	319.2	241.0	0.7
45°	565.4	560.9	550.9	534.3	515.4	481.3	393.6	329.5	259.6	175.5	0.0
47.5°	429.9	427.7	438.0	440.2	439.9	401.0	328.4	268.8	190.7	102.2	0.0
50°	391.4	388.4	378.0	364.7	341.0	308.4	263.3	199.2	111.8	32.6	0.0
52.5°	281.0	290.7	292.9	282.9	260.7	228.5	181.4	114.8	38.9	0.0	0.0
55°	114.4	108.5	112.9	118.5	122.9	112.9	83.7	40.7	0.4	0.0	0.0
57.5°	0.0	0.4	2.2	5.2	8.5	10.7	11.5	0.7	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	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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: P1316881

CATALOG NUMBER: P3SQAS05R559830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	212.9	212.9	212.9	212.9	212.9
2.5°	213.6	180.7	148.8	131.4	122.9
5°	205.9	138.1	85.5	59.2	49.2
7.5°	192.9	94.8	34.1	14.1	10.0
10°	174.0	54.4	9.3	3.7	3.3
12.5°	147.0	24.8	3.3	2.6	2.6
15°	117.0	8.5	1.9	1.5	1.1
17.5°	82.2	2.2	0.7	0.0	0.0
20°	50.0	0.4	0.0	0.0	0.0
22.5°	27.8	0.0	0.0	0.0	0.0
25°	13.7	0.0	0.0	0.0	0.0
27.5°	5.9	0.0	0.0	0.0	0.0
30°	1.9	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°	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.7	0.4	0.4	0.0	0.0
80°	0.7	0.4	0.4	0.0	0.0
82.5°	0.7	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.7	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)