

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: P1313169

Luminaire Tested: P3SQAS05R709730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

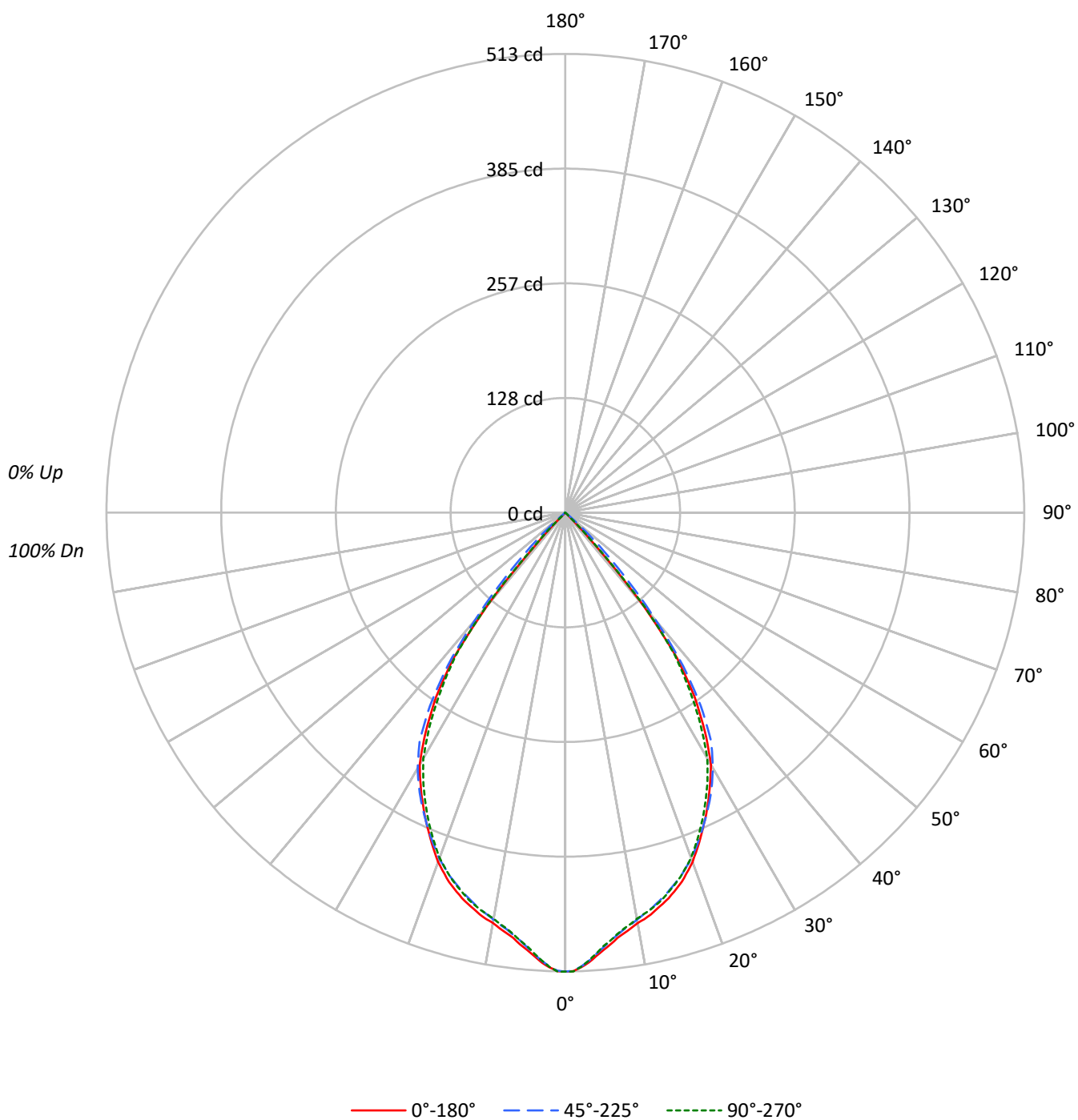
Lumens per Lamp: N/A
Luminaire Lumens: 531.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313169

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313169

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	88402	88402	88402
5°	84850	84383	84158
10°	81511	80812	80654
15°	79574	78469	78629
20°	76206	75473	75308
25°	70747	70918	69797
30°	64751	65626	63140
35°	52961	55505	50879
40°	30486	35544	31295
45°	438	14760	1534
50°	0	1554	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14760 cd/sqm

TEST NUMBER: P1313169

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	8.6
10°-20°	124.1	23.4
20°-30°	170.5	32.1
30°-40°	154.6	29.1
40°-50°	35.9	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	340.3	64.1
0°-40°	494.9	93.2
0°-60°	531.0	100.0
0°-90°	531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	491	490	488	487	487	46
15°	446	443	440	440	441	125
25°	372	374	373	370	367	171
35°	252	256	264	253	242	151
45°	2	20	61	26	6	22
55°	0	0	0	0	0	0
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: P1313169

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	513.3	513.3	513.3	513.3	513.3
1°	512.8	511.9	512.4	512.8	513.3
2°	508.8	507.9	507.9	508.3	508.3
3°	503.8	502.0	502.0	501.6	501.6
4°	497.1	495.7	494.8	494.4	494.4
5°	490.8	489.5	488.1	487.2	486.8
6°	485.4	483.2	481.4	480.9	481.4
7°	479.1	477.8	476.0	474.6	475.1
8°	474.6	472.8	470.6	469.7	469.7
9°	470.6	468.8	466.6	464.8	465.7
10°	466.1	464.3	462.1	460.7	461.2
11°	463.0	460.7	458.0	457.1	457.6
12°	459.4	456.7	454.0	453.5	454.4
13°	454.9	452.2	449.5	449.5	450.4
14°	450.8	447.7	445.0	445.0	446.3
15°	446.3	443.2	440.1	440.1	441.0
17.5°	432.9	430.2	427.0	427.0	427.5
20°	415.8	414.5	411.8	410.4	410.9
22.5°	394.3	394.3	392.9	390.7	389.8
25°	372.3	374.1	373.2	369.6	367.3
27.5°	349.4	352.5	352.9	347.6	343.5
30°	325.6	328.3	330.0	323.8	317.5
32.5°	290.5	298.6	303.1	294.6	281.6
35°	251.9	255.5	264.0	252.8	242.0
37.5°	204.8	209.3	216.4	207.5	201.2
40°	135.6	153.6	158.1	153.6	139.2
42.5°	48.9	86.2	103.7	88.0	57.5
45°	1.8	20.2	60.6	26.0	6.3
47.5°	0.0	0.4	27.4	0.9	0.0
50°	0.0	0.0	5.8	0.0	0.0
52.5°	0.0	0.0	0.4	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°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313169
CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)