

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: P1313171

Luminaire Tested: P3SQAS05R709730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

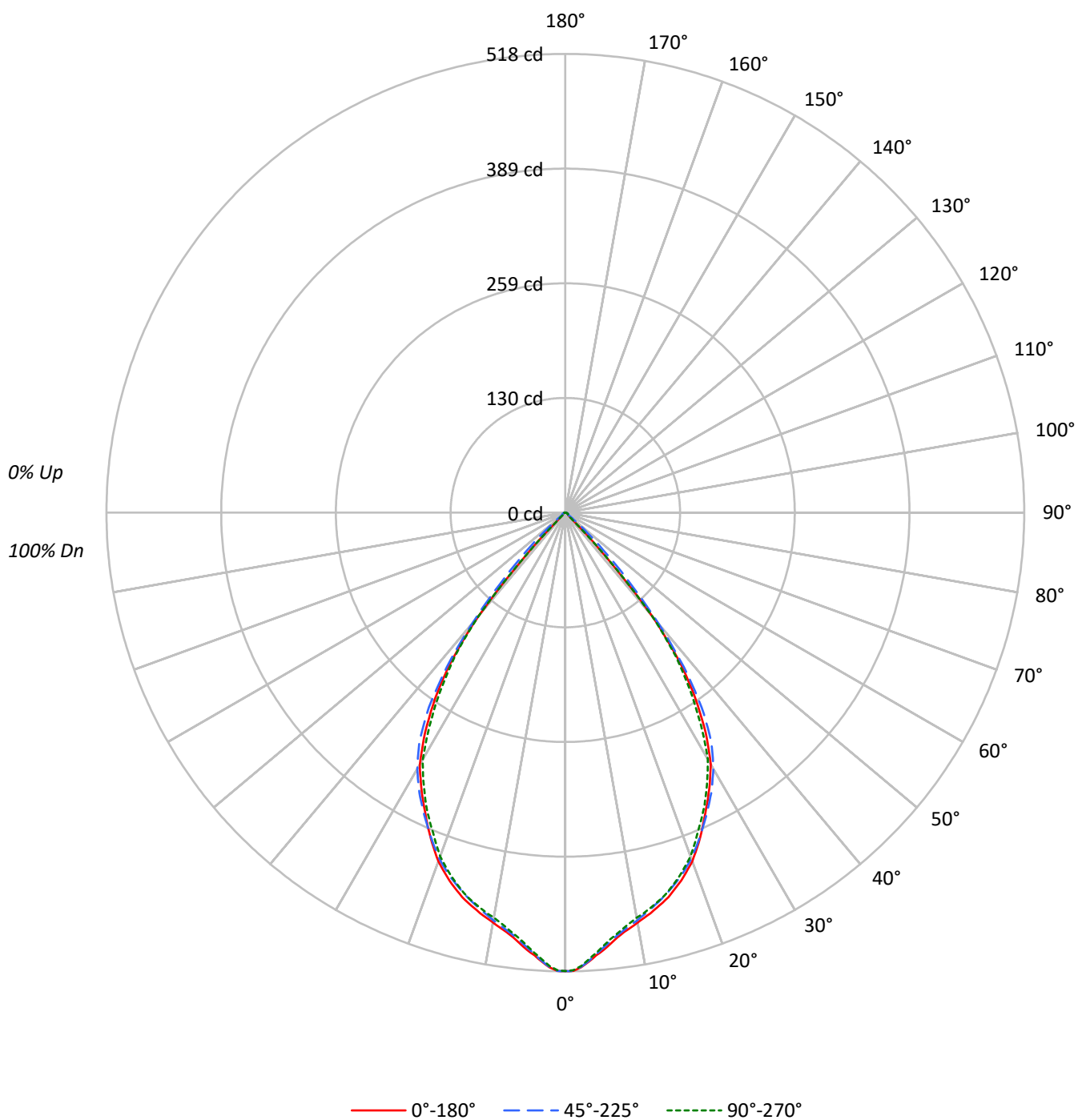
Lumens per Lamp: N/A
Luminaire Lumens: 551.9 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313171

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313171

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MW

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	89160	89160	89160
5°	85697	85230	84919
10°	82211	81756	81197
15°	80145	79271	79182
20°	76792	76224	75729
25°	71089	71602	70253
30°	65307	66461	63975
35°	53865	56409	51783
40°	34285	36916	34285
45°	2411	15953	2630
50°	1072	3242	1072
55°	1201	1201	1201
60°	1240	1240	1240
65°	1100	1263	1100
70°	1108	1360	1108
75°	1198	1198	1198
80°	1289	1289	1289
85°	790	1778	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 15953 cd/sqm

TEST NUMBER: P1313171

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	8.4
10°-20°	125.1	22.7
20°-30°	171.9	31.1
30°-40°	157.5	28.5
40°-50°	41.8	7.6
50°-60°	3.7	0.7
60°-70°	3.0	0.5
70°-80°	2.0	0.4
80°-90°	0.7	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°	343.2	62.2
0°-40°	500.6	90.7
0°-60°	546.2	99.0
0°-90°	551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	518	518	518	518	518	
5°	496	494	493	492	491	46
15°	450	446	445	445	444	126
25°	374	376	377	372	370	172
35°	256	260	268	256	246	155
45°	10	34	66	34	11	30
55°	4	4	4	4	4	3
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1313171

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	517.7	517.7	517.7	517.7	517.7
1°	517.7	516.8	517.7	517.7	516.8
2°	513.7	512.8	513.2	512.8	512.3
3°	507.8	506.5	506.9	506.0	505.1
4°	501.1	499.8	499.8	499.3	498.4
5°	495.7	493.5	493.0	492.1	491.2
6°	489.4	487.2	486.7	485.4	484.5
7°	483.2	481.4	480.9	479.1	479.1
8°	478.2	476.0	476.0	473.7	473.7
9°	474.2	471.5	471.5	469.7	468.8
10°	470.1	467.5	467.5	465.2	464.3
11°	466.1	463.9	463.0	461.6	461.2
12°	462.5	459.4	458.5	458.0	457.1
13°	458.0	454.9	454.0	453.5	453.1
14°	454.0	450.0	449.5	448.6	449.1
15°	449.5	445.5	444.6	444.6	444.1
17.5°	435.6	432.9	431.6	430.7	429.8
20°	419.0	416.8	415.9	414.1	413.2
22.5°	397.5	397.0	396.6	394.3	390.7
25°	374.1	375.5	376.8	372.3	369.7
27.5°	351.7	355.3	356.6	352.2	346.3
30°	328.4	331.5	334.2	327.9	321.7
32.5°	294.7	302.4	306.4	299.2	284.9
35°	256.2	260.2	268.3	256.2	246.3
37.5°	211.3	213.5	219.8	211.7	205.0
40°	152.5	159.3	164.2	159.3	152.5
42.5°	68.6	96.0	108.6	101.4	71.8
45°	9.9	33.6	65.5	34.1	10.8
47.5°	4.0	5.4	34.1	4.9	4.0
50°	4.0	4.0	12.1	4.0	4.0
52.5°	4.0	4.0	4.5	4.0	4.0
55°	4.0	4.0	4.0	4.0	4.0
57.5°	3.6	3.6	4.0	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.1	3.6	3.6	3.6	3.1
65°	2.7	3.1	3.1	3.1	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.2	2.7	2.7	2.7	2.2
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.3	1.8	1.8	1.8	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.9	0.9	0.9	0.4
87.5°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1313171

CATALOG NUMBER: P3SQAS05R709730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)