

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: P1317786

Luminaire Tested: P3SQAS05R709835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317786
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: P3SQAS05R709835DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

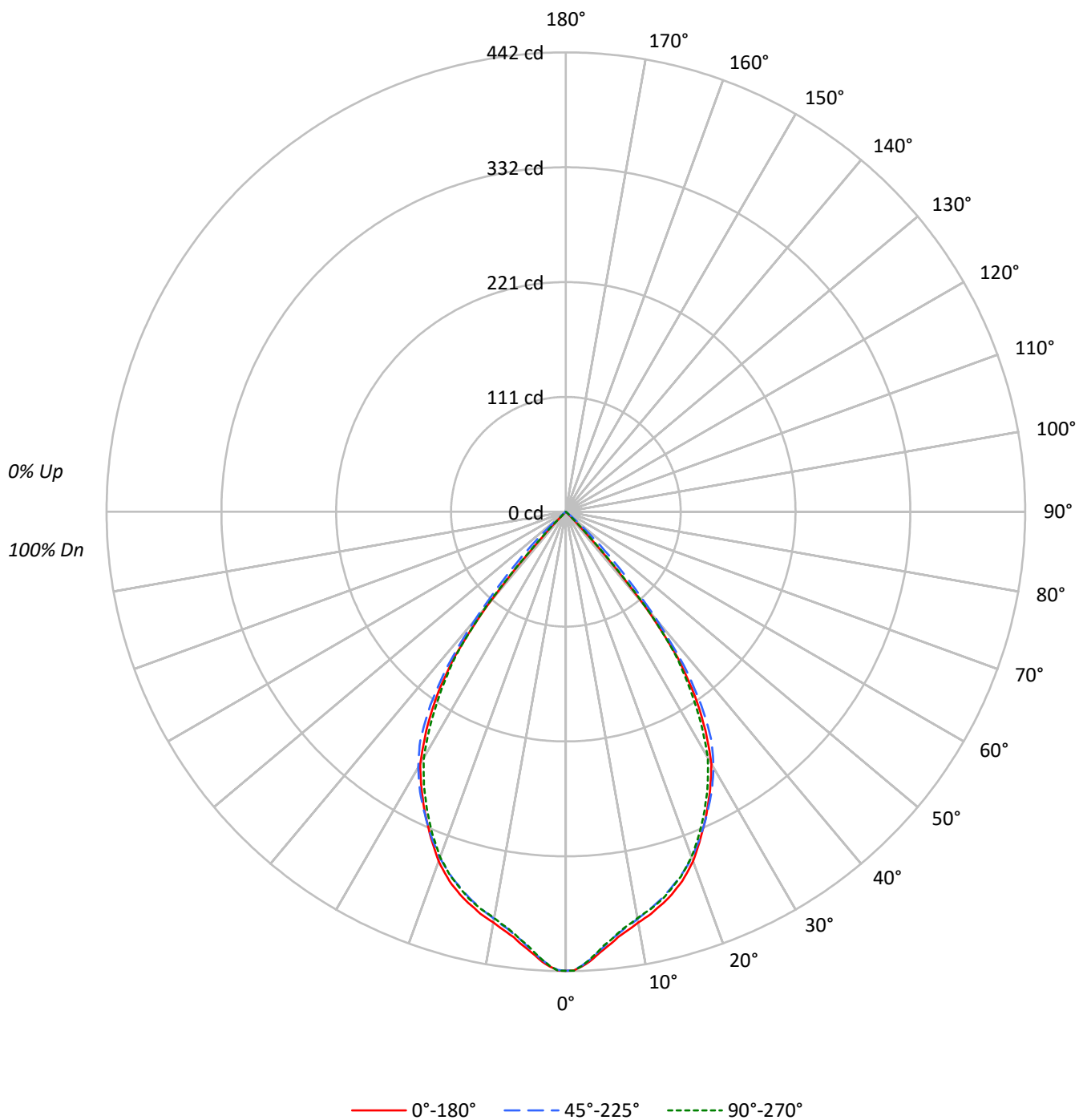
Lumens per Lamp: N/A
Luminaire Lumens: 457.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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°	76071	76071	76071
5°	73025	72627	72420
10°	70162	69550	69410
15°	68484	67521	67664
20°	65594	64953	64806
25°	60885	61037	60067
30°	55722	56498	54330
35°	45581	47768	43794
40°	26237	30576	26934
45°	365	12714	1315
50°	0	1340	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: 12714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	8.6
10°-20°	106.8	23.4
20°-30°	146.7	32.1
30°-40°	133.0	29.1
40°-50°	30.9	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°	292.9	64.1
0°-40°	425.9	93.2
0°-60°	457.0	100.0
0°-90°	457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	422	421	420	419	419	40
15°	384	381	379	379	380	108
25°	320	322	321	318	316	147
35°	217	220	227	218	208	130
45°	2	17	52	22	5	19
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.7	441.7	441.7	441.7	441.7
1°	441.3	440.6	441.0	441.3	441.7
2°	437.9	437.1	437.1	437.5	437.5
3°	433.6	432.1	432.1	431.7	431.7
4°	427.8	426.7	425.9	425.5	425.5
5°	422.4	421.2	420.1	419.3	418.9
6°	417.8	415.8	414.3	413.9	414.3
7°	412.4	411.2	409.7	408.5	408.9
8°	408.5	406.9	405.0	404.2	404.2
9°	405.0	403.5	401.5	400.0	400.8
10°	401.2	399.6	397.7	396.5	396.9
11°	398.4	396.5	394.2	393.4	393.8
12°	395.4	393.0	390.7	390.3	391.1
13°	391.5	389.2	386.9	386.9	387.6
14°	388.0	385.3	383.0	383.0	384.1
15°	384.1	381.4	378.7	378.7	379.5
17.5°	372.6	370.2	367.5	367.5	367.9
20°	357.9	356.7	354.4	353.2	353.6
22.5°	339.3	339.3	338.2	336.2	335.5
25°	320.4	321.9	321.2	318.1	316.1
27.5°	300.7	303.4	303.8	299.1	295.6
30°	280.2	282.5	284.1	278.6	273.2
32.5°	250.0	257.0	260.9	253.5	242.3
35°	216.8	219.9	227.2	217.6	208.3
37.5°	176.2	180.1	186.3	178.5	173.1
40°	116.7	132.2	136.0	132.2	119.8
42.5°	42.1	74.2	89.3	75.7	49.5
45°	1.5	17.4	52.2	22.4	5.4
47.5°	0.0	0.4	23.6	0.8	0.0
50°	0.0	0.0	5.0	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)