

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: P1313497

Luminaire Tested: P3SQAS13R709730DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709730DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

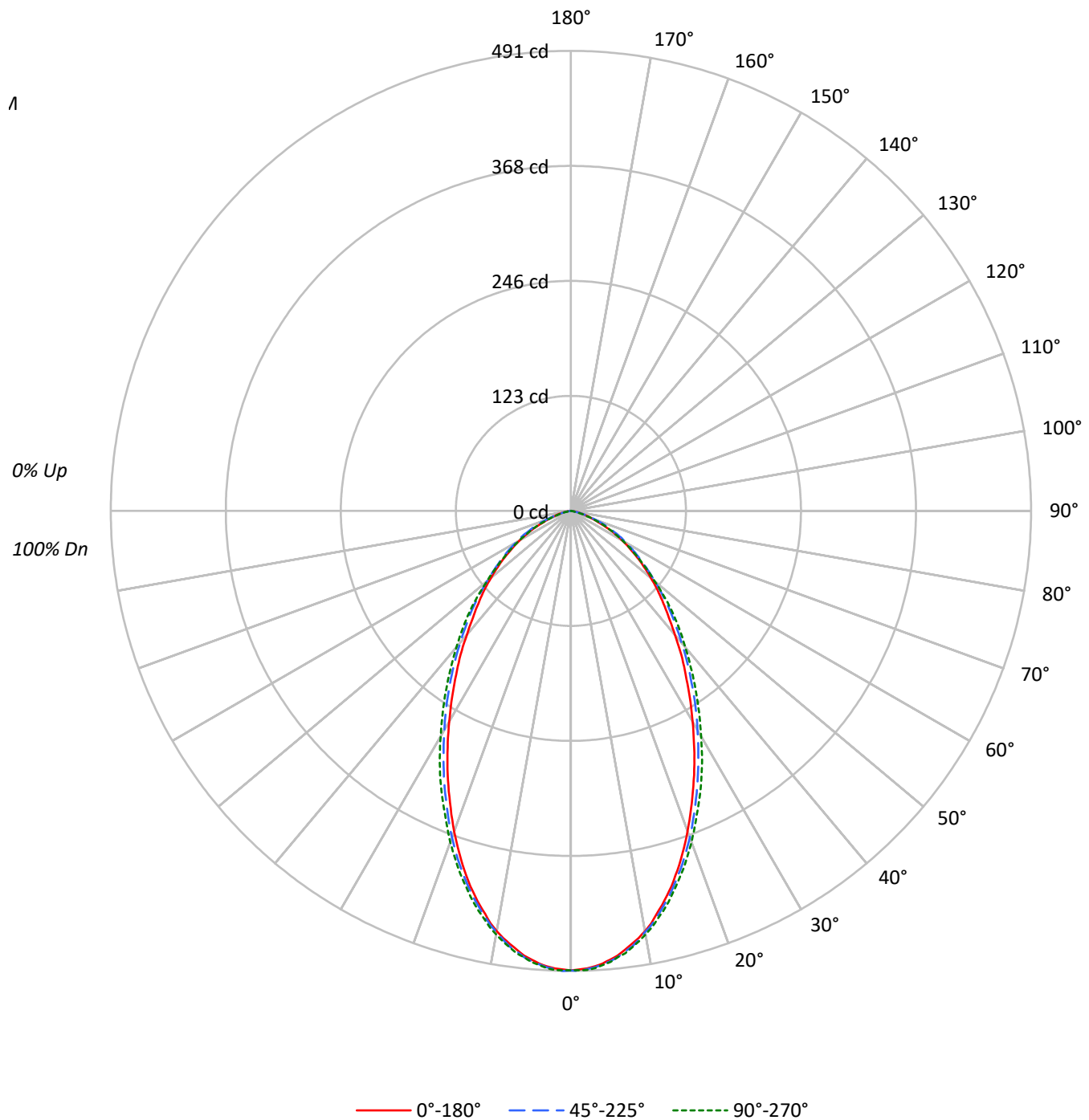
Lumens per Lamp: N/A
Luminaire Lumens: 702.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84458	84458	84458
5°	83121	83415	83570
10°	79658	79815	80270
15°	73922	74546	75170
20°	66731	67995	68967
25°	59079	60752	62234
30°	51626	53694	55245
35°	44866	47242	48714
40°	38782	41322	42693
45°	33952	36266	37338
50°	29874	31268	31268
55°	25882	27204	26423
60°	21907	23388	22217
65°	17034	19520	17727
70°	12287	14452	12287
75°	9249	8717	6987
80°	6050	4364	1686
85°	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 37338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	6.4
10°-20°	116.7	16.6
20°-30°	146.5	20.9
30°-40°	139.9	19.9
40°-50°	113.8	16.2
50°-60°	79.6	11.3
60°-70°	45.0	6.4
70°-80°	14.2	2.0
80°-90°	1.1	0.2
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°	308.4	43.9
0°-40°	448.3	63.9
0°-60°	641.7	91.4
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	490	490	490	490	490	
5°	481	482	482	482	483	45
15°	415	416	418	419	422	116
25°	311	314	320	325	328	143
35°	213	217	225	229	232	134
45°	139	143	149	152	153	108
55°	86	87	91	89	88	77
65°	42	44	48	45	44	42
75°	14	14	13	11	10	15
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	490.4	490.4	490.4	490.4	490.4
1°	489.5	490.4	491.2	489.5	490.4
2°	488.6	489.5	489.5	488.6	490.4
3°	486.9	487.8	487.8	486.9	488.6
4°	484.3	485.1	485.1	484.3	486.0
5°	480.8	481.7	482.5	481.7	483.4
6°	477.3	478.2	479.0	478.2	479.0
7°	472.1	473.8	473.8	473.8	475.6
8°	466.8	468.6	469.5	468.6	470.3
9°	461.6	462.5	463.4	463.4	465.1
10°	455.5	456.4	456.4	457.3	459.0
11°	448.6	448.6	450.3	450.3	452.9
12°	439.8	440.7	442.5	443.3	445.1
13°	432.0	432.9	434.6	435.5	438.1
14°	423.3	425.0	426.8	427.7	430.3
15°	414.6	415.5	418.1	418.9	421.6
17.5°	390.2	391.1	395.4	397.2	399.8
20°	364.1	366.7	371.0	373.7	376.3
22.5°	337.1	339.7	344.9	349.3	351.0
25°	310.9	314.4	319.7	324.9	327.5
27.5°	284.8	288.3	294.4	299.6	303.1
30°	259.6	263.0	270.0	274.4	277.8
32.5°	236.0	239.5	247.4	251.7	254.3
35°	213.4	216.9	224.7	229.1	231.7
37.5°	193.4	196.8	203.8	208.2	209.9
40°	172.5	176.8	183.8	188.1	189.9
42.5°	155.0	158.5	165.5	169.0	171.6
45°	139.4	142.8	148.9	151.6	153.3
47.5°	125.4	127.2	132.4	133.3	135.0
50°	111.5	113.2	116.7	117.6	116.7
52.5°	98.4	100.2	102.8	101.9	101.9
55°	86.2	87.1	90.6	88.8	88.0
57.5°	74.0	75.8	79.3	76.6	75.8
60°	63.6	65.3	67.9	66.2	64.5
62.5°	53.1	54.0	58.4	54.9	53.1
65°	41.8	44.4	47.9	45.3	43.5
67.5°	31.4	35.7	39.2	35.7	34.0
70°	24.4	26.1	28.7	27.0	24.4
72.5°	18.3	19.2	20.0	18.3	16.5
75°	13.9	13.9	13.1	11.3	10.5
77.5°	9.6	9.6	7.8	5.2	5.2
80°	6.1	6.1	4.4	1.7	1.7
82.5°	2.6	2.6	1.7	0.9	0.9
85°	0.9	0.9	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)