

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: P1314620

Luminaire Tested: P3SQAS17R709735DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709735DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

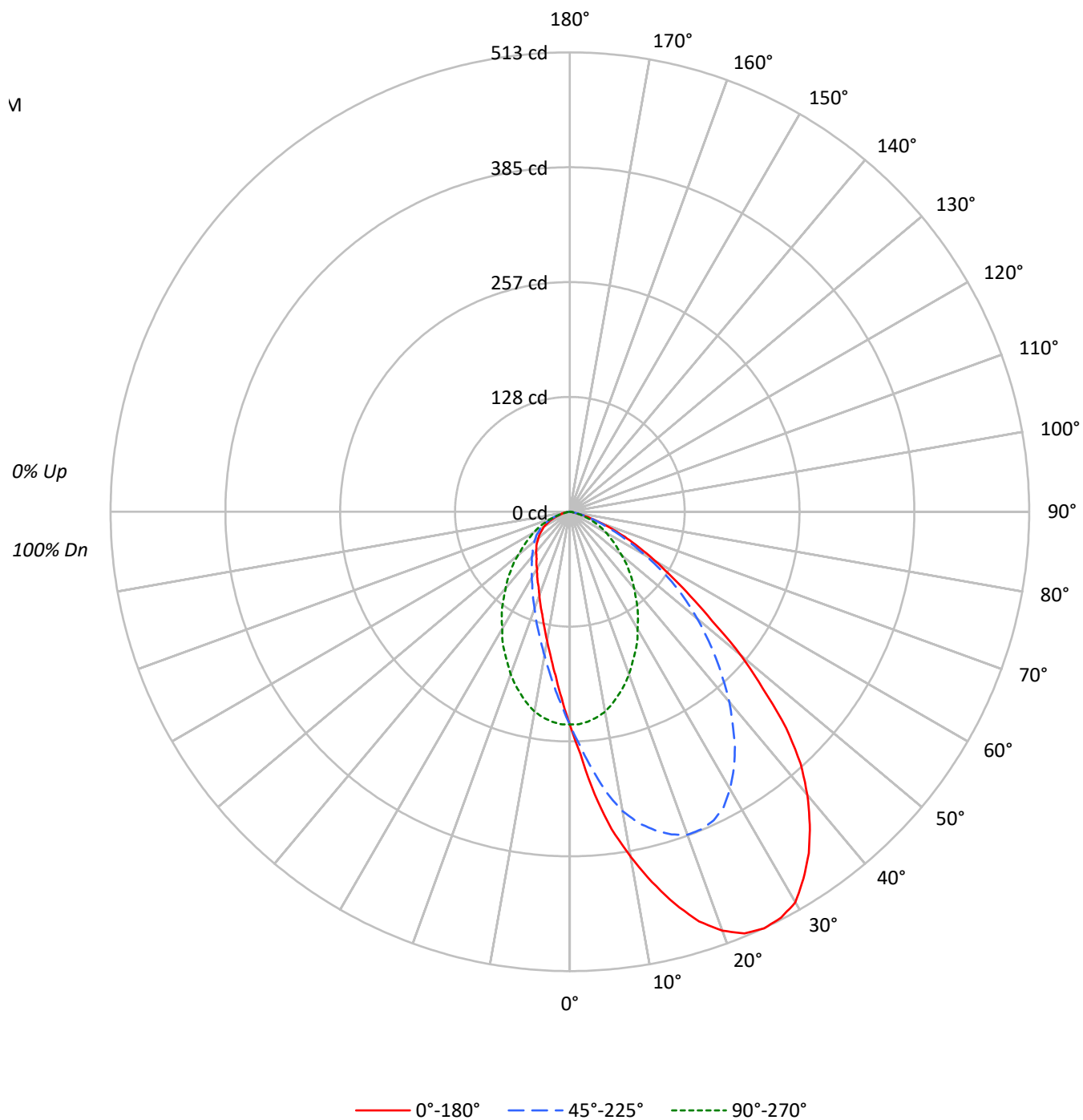
Lumens per Lamp: N/A
Luminaire Lumens: 580.0 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	40903	40903	40903	40903	40903
5°	54734	49962	40644	34006	31724
10°	68378	59354	39645	28523	25585
15°	80822	65649	37639	24373	21164
20°	91216	70341	35391	21095	18236
25°	97541	72248	32818	18680	16190
30°	100169	71075	30049	16943	14557
35°	97827	67573	27731	15642	13624
40°	92761	62275	25068	14838	13219
45°	83249	56092	22773	14321	12860
50°	66849	49808	20256	13825	12218
55°	49333	42847	18016	13692	11890
60°	37992	33446	16120	13227	11573
65°	28852	24940	14181	12225	10269
70°	19336	17523	10877	10877	8460
75°	10381	10381	7187	7187	6388
80°	2380	4761	3570	4761	5951
85°	0	2371	2371	4742	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 83249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	4.0
10°-20°	71.2	12.3
20°-30°	109.7	18.9
30°-40°	124.5	21.5
40°-50°	112.7	19.4
50°-60°	78.8	13.6
60°-70°	43.3	7.5
70°-80°	14.5	2.5
80°-90°	1.9	0.3
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°	204.3	35.2
0°-40°	328.8	56.7
0°-60°	520.3	89.7
0°-90°	580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	238	238	238	238	238	
5°	317	289	235	197	184	32
15°	453	368	211	137	119	129
25°	513	380	173	98	85	235
35°	465	321	132	74	65	289
45°	342	230	94	59	53	259
55°	164	143	60	46	40	151
65°	71	61	35	30	25	71
75°	16	16	11	11	10	18
85°	0	1	1	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	271.0	273.4	274.6	272.2	271.0	269.9	267.5	266.3	263.9	261.5	260.3
5°	316.6	316.6	316.6	314.2	310.6	308.2	303.4	299.8	293.8	289.0	284.2
7.5°	357.4	357.4	356.2	352.6	350.2	344.2	338.2	333.4	323.8	316.6	307.0
10°	391.0	391.0	389.8	383.8	380.2	373.0	367.0	358.6	349.0	339.4	328.6
12.5°	423.4	423.4	418.6	413.8	406.6	397.0	388.6	380.2	367.0	356.2	343.0
15°	453.3	453.3	450.9	442.6	433.0	422.2	410.2	398.2	382.6	368.2	353.8
17.5°	479.7	478.5	474.9	465.3	455.7	442.6	428.2	413.8	394.6	377.8	359.8
20°	497.7	497.7	492.9	482.1	471.3	456.9	441.4	424.6	404.2	383.8	362.2
22.5°	509.7	508.5	503.7	492.9	479.7	465.3	447.4	429.4	406.6	383.8	361.0
25°	513.3	512.1	507.3	495.3	482.1	466.5	447.4	428.2	404.2	380.2	355.0
27.5°	510.9	509.7	504.9	491.7	478.5	460.5	441.4	421.0	397.0	371.8	346.6
30°	503.7	500.1	495.3	483.3	468.9	450.9	430.6	407.8	383.8	357.4	332.2
32.5°	485.7	485.7	479.7	467.7	453.3	434.2	413.8	392.2	365.8	340.6	314.2
35°	465.3	464.1	459.3	446.2	433.0	415.0	394.6	371.8	346.6	321.4	296.2
37.5°	440.2	439.0	434.2	422.2	407.8	391.0	369.4	347.8	323.8	298.6	275.8
40°	412.6	410.2	404.2	394.6	382.6	363.4	344.2	322.6	299.8	277.0	254.3
42.5°	381.4	379.0	374.2	367.0	352.6	335.8	317.8	297.4	275.8	253.1	236.3
45°	341.8	341.8	339.4	332.2	321.4	308.2	289.0	271.0	250.7	230.3	212.3
47.5°	292.6	295.0	293.8	290.2	285.4	273.4	260.3	244.7	225.5	207.5	190.7
50°	249.5	250.7	251.9	249.5	245.9	237.5	229.1	219.5	202.7	185.9	170.3
52.5°	200.3	203.9	203.9	205.1	205.1	202.7	200.3	189.5	181.1	164.3	149.9
55°	164.3	164.3	164.3	166.7	167.9	169.1	166.7	164.3	154.7	142.7	129.5
57.5°	134.3	134.3	136.7	135.5	135.5	137.9	137.9	136.7	130.7	119.9	107.9
60°	110.3	110.3	110.3	110.3	111.5	111.5	111.5	111.5	106.7	97.1	87.6
62.5°	88.8	88.8	88.8	90.0	90.0	90.0	91.1	90.0	85.2	78.0	69.6
65°	70.8	69.6	70.8	70.8	72.0	72.0	72.0	70.8	66.0	61.2	55.2
67.5°	52.8	54.0	54.0	54.0	55.2	56.4	55.2	54.0	50.4	45.6	43.2
70°	38.4	39.6	39.6	39.6	40.8	42.0	40.8	39.6	37.2	34.8	32.4
72.5°	25.2	26.4	26.4	27.6	28.8	28.8	27.6	27.6	26.4	24.0	22.8
75°	15.6	15.6	16.8	16.8	18.0	18.0	18.0	16.8	16.8	15.6	15.6
77.5°	7.2	7.2	8.4	8.4	8.4	9.6	9.6	9.6	9.6	9.6	8.4
80°	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	4.8	4.8	4.8
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	237.5	237.5	237.5	237.5	237.5	237.5	237.5	237.5
2.5°	257.9	254.3	249.5	237.5	225.5	215.9	209.9	208.7
5°	278.2	272.2	261.5	235.1	213.5	196.7	187.1	183.5
7.5°	298.6	287.8	272.2	231.5	199.1	178.7	167.9	163.1
10°	315.4	302.2	281.8	226.7	187.1	163.1	149.9	146.3
12.5°	328.6	313.0	287.8	219.5	175.1	148.7	135.5	131.9
15°	337.0	320.2	291.4	211.1	163.1	136.7	123.5	118.7
17.5°	340.6	320.2	290.2	202.7	152.3	125.9	112.7	109.1
20°	340.6	317.8	286.6	193.1	141.5	115.1	103.1	99.5
22.5°	337.0	313.0	278.2	182.3	131.9	106.7	94.7	91.1
25°	329.8	303.4	268.7	172.7	122.3	98.3	87.6	85.2
27.5°	319.0	292.6	256.7	163.1	113.9	91.1	81.6	79.2
30°	305.8	279.4	243.5	151.1	105.5	85.2	76.8	73.2
32.5°	289.0	263.9	229.1	141.5	98.3	79.2	72.0	69.6
35°	271.0	248.3	213.5	131.9	91.1	74.4	67.2	64.8
37.5°	253.1	229.1	200.3	121.1	85.2	69.6	63.6	61.2
40°	233.9	215.9	185.9	111.5	80.4	66.0	60.0	58.8
42.5°	214.7	195.5	165.5	103.1	74.4	61.2	56.4	55.2
45°	191.9	173.9	149.9	93.5	69.6	58.8	54.0	52.8
47.5°	172.7	155.9	134.3	85.2	64.8	55.2	50.4	49.2
50°	154.7	137.9	117.5	75.6	60.0	51.6	48.0	45.6
52.5°	134.3	119.9	101.9	67.2	55.2	48.0	44.4	43.2
55°	116.3	101.9	85.2	60.0	50.4	45.6	40.8	39.6
57.5°	95.9	84.0	72.0	52.8	45.6	40.8	38.4	36.0
60°	78.0	69.6	61.2	46.8	40.8	38.4	34.8	33.6
62.5°	63.6	57.6	51.6	40.8	36.0	33.6	31.2	28.8
65°	50.4	46.8	42.0	34.8	31.2	30.0	27.6	25.2
67.5°	39.6	37.2	33.6	27.6	26.4	25.2	22.8	20.4
70°	30.0	28.8	26.4	21.6	20.4	21.6	19.2	16.8
72.5°	21.6	20.4	19.2	15.6	15.6	15.6	14.4	12.0
75°	14.4	13.2	12.0	10.8	10.8	10.8	10.8	9.6
77.5°	8.4	8.4	7.2	6.0	7.2	7.2	8.4	8.4
80°	3.6	3.6	3.6	3.6	4.8	4.8	6.0	6.0
82.5°	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)