

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: P1313648

Luminaire Tested: P3SQAS17R709730DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313648
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: P3SQAS17R709730DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

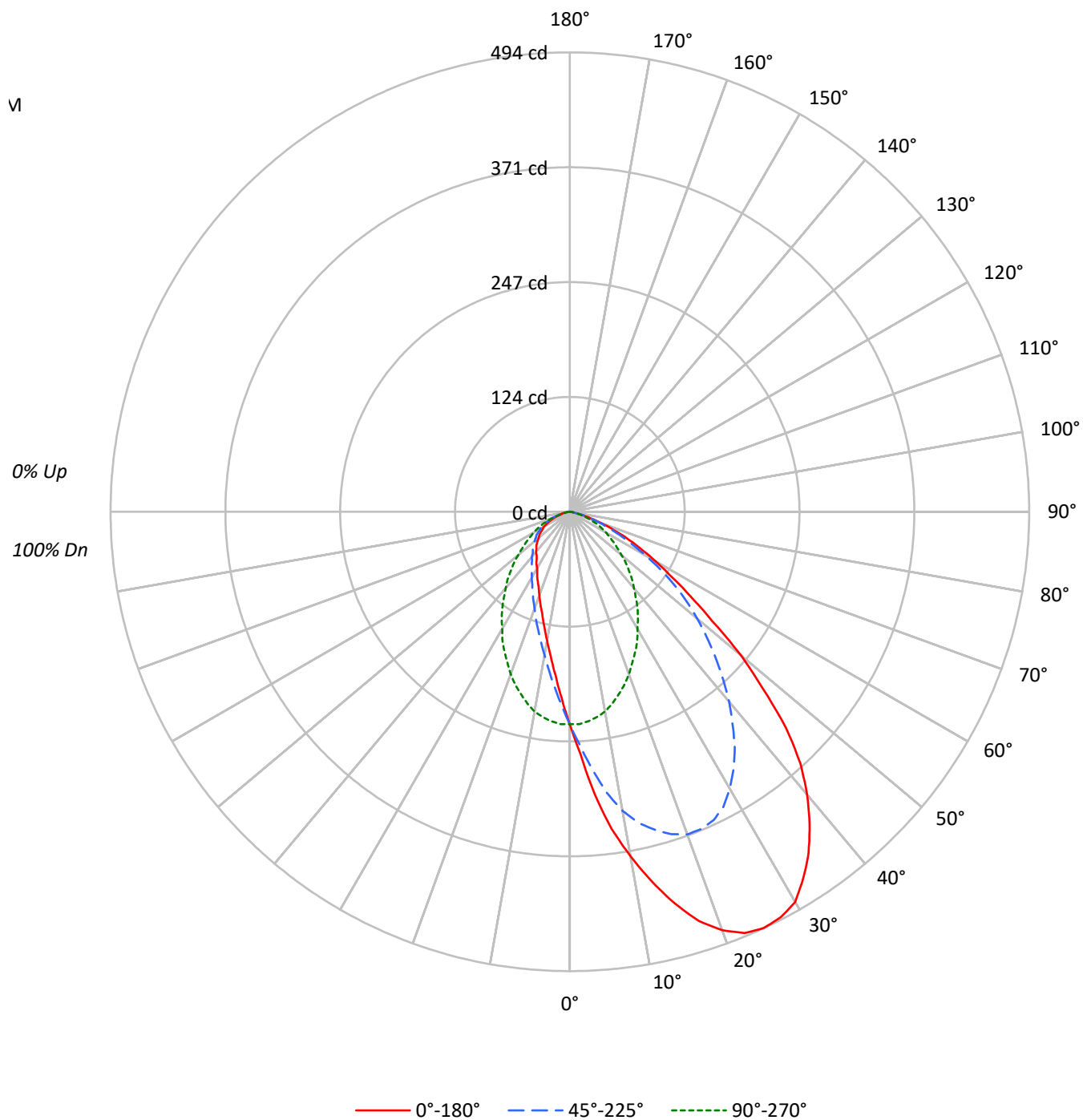
Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	39353	39353	39353	39353	39353
5°	52659	48078	39106	32709	30513
10°	65790	57098	38141	27439	24623
15°	77774	63153	36212	23446	20362
20°	87752	67665	34053	20307	17558
25°	93835	69512	31582	17977	15563
30°	96370	68370	28915	16287	14000
35°	94127	65008	26680	15033	13098
40°	89231	59915	24123	14276	12702
45°	80082	53948	21920	13761	12373
50°	64303	47906	19479	13289	11735
55°	47471	41226	17325	13151	11440
60°	36580	32206	15500	12710	11126
65°	27752	23962	13652	11736	9862
70°	18581	16869	10474	10474	8157
75°	9981	9981	6920	6920	6122
80°	2281	4562	3471	4562	5752
85°	0	2371	2371	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	4.0
10°-20°	68.5	12.3
20°-30°	105.6	18.9
30°-40°	119.8	21.5
40°-50°	108.4	19.4
50°-60°	75.8	13.6
60°-70°	41.7	7.5
70°-80°	13.9	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°	196.6	35.2
0°-40°	316.4	56.7
0°-60°	500.6	89.7
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	228	228	228	228	228	
5°	305	278	226	189	176	31
15°	436	354	203	132	114	124
25°	494	366	166	95	82	227
35°	448	309	127	72	62	278
45°	329	222	90	56	51	249
55°	158	137	58	44	38	145
65°	68	59	34	29	24	68
75°	15	15	10	10	9	17
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°	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5
2.5°	260.8	263.1	264.2	261.9	260.8	259.6	257.3	256.2	253.8	251.5	250.4
5°	304.6	304.6	304.6	302.3	298.8	296.5	291.9	288.5	282.7	278.1	273.5
7.5°	343.8	343.8	342.7	339.2	336.9	331.2	325.4	320.8	311.5	304.6	295.4
10°	376.2	376.2	375.0	369.2	365.8	358.8	353.1	345.0	335.8	326.5	316.2
12.5°	407.3	407.3	402.7	398.1	391.2	381.9	373.8	365.8	353.1	342.7	330.0
15°	436.2	436.2	433.8	425.8	416.5	406.2	394.6	383.1	368.1	354.2	340.4
17.5°	461.5	460.4	456.9	447.7	438.5	425.8	411.9	398.1	379.6	363.5	346.2
20°	478.8	478.8	474.2	463.8	453.5	439.6	424.6	408.5	388.8	369.2	348.5
22.5°	490.4	489.2	484.6	474.2	461.5	447.7	430.4	413.1	391.2	369.2	347.3
25°	493.8	492.7	488.1	476.5	463.8	448.8	430.4	411.9	388.8	365.8	341.5
27.5°	491.5	490.4	485.8	473.1	460.4	443.1	424.6	405.0	381.9	357.7	333.5
30°	484.6	481.2	476.5	465.0	451.2	433.8	414.2	392.3	369.2	343.8	319.6
32.5°	467.3	467.3	461.5	450.0	436.2	417.7	398.1	377.3	351.9	327.7	302.3
35°	447.7	446.5	441.9	429.2	416.5	399.2	379.6	357.7	333.5	309.2	285.0
37.5°	423.5	422.3	417.7	406.2	392.3	376.2	355.4	334.6	311.5	287.3	265.4
40°	396.9	394.6	388.8	379.6	368.1	349.6	331.2	310.4	288.5	266.5	244.6
42.5°	366.9	364.6	360.0	353.1	339.2	323.1	305.8	286.2	265.4	243.5	227.3
45°	328.8	328.8	326.5	319.6	309.2	296.5	278.1	260.8	241.2	221.5	204.2
47.5°	281.5	283.8	282.7	279.2	274.6	263.1	250.4	235.4	216.9	199.6	183.5
50°	240.0	241.2	242.3	240.0	236.5	228.5	220.4	211.2	195.0	178.8	163.8
52.5°	192.7	196.2	196.2	197.3	197.3	195.0	192.7	182.3	174.2	158.1	144.2
55°	158.1	158.1	158.1	160.4	161.5	162.7	160.4	158.1	148.8	137.3	124.6
57.5°	129.2	129.2	131.5	130.4	130.4	132.7	132.7	131.5	125.8	115.4	103.8
60°	106.2	106.2	106.2	106.2	107.3	107.3	107.3	107.3	102.7	93.5	84.2
62.5°	85.4	85.4	85.4	86.5	86.5	86.5	87.7	86.5	81.9	75.0	66.9
65°	68.1	66.9	68.1	68.1	69.2	69.2	69.2	68.1	63.5	58.8	53.1
67.5°	50.8	51.9	51.9	51.9	53.1	54.2	53.1	51.9	48.5	43.8	41.5
70°	36.9	38.1	38.1	38.1	39.2	40.4	39.2	38.1	35.8	33.5	31.2
72.5°	24.2	25.4	25.4	26.5	27.7	27.7	26.5	26.5	25.4	23.1	21.9
75°	15.0	15.0	16.2	16.2	17.3	17.3	17.3	16.2	16.2	15.0	15.0
77.5°	6.9	6.9	8.1	8.1	8.1	9.2	9.2	9.2	9.2	9.2	8.1
80°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	4.6	4.6	4.6
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
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°	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5
2.5°	248.1	244.6	240.0	228.5	216.9	207.7	201.9	200.8
5°	267.7	261.9	251.5	226.2	205.4	189.2	180.0	176.5
7.5°	287.3	276.9	261.9	222.7	191.5	171.9	161.5	156.9
10°	303.5	290.8	271.2	218.1	180.0	156.9	144.2	140.8
12.5°	316.2	301.2	276.9	211.2	168.5	143.1	130.4	126.9
15°	324.2	308.1	280.4	203.1	156.9	131.5	118.8	114.2
17.5°	327.7	308.1	279.2	195.0	146.5	121.2	108.5	105.0
20°	327.7	305.8	275.8	185.8	136.2	110.8	99.2	95.8
22.5°	324.2	301.2	267.7	175.4	126.9	102.7	91.2	87.7
25°	317.3	291.9	258.5	166.2	117.7	94.6	84.2	81.9
27.5°	306.9	281.5	246.9	156.9	109.6	87.7	78.5	76.2
30°	294.2	268.8	234.2	145.4	101.5	81.9	73.8	70.4
32.5°	278.1	253.8	220.4	136.2	94.6	76.2	69.2	66.9
35°	260.8	238.8	205.4	126.9	87.7	71.5	64.6	62.3
37.5°	243.5	220.4	192.7	116.5	81.9	66.9	61.2	58.8
40°	225.0	207.7	178.8	107.3	77.3	63.5	57.7	56.5
42.5°	206.5	188.1	159.2	99.2	71.5	58.8	54.2	53.1
45°	184.6	167.3	144.2	90.0	66.9	56.5	51.9	50.8
47.5°	166.2	150.0	129.2	81.9	62.3	53.1	48.5	47.3
50°	148.8	132.7	113.1	72.7	57.7	49.6	46.2	43.8
52.5°	129.2	115.4	98.1	64.6	53.1	46.2	42.7	41.5
55°	111.9	98.1	81.9	57.7	48.5	43.8	39.2	38.1
57.5°	92.3	80.8	69.2	50.8	43.8	39.2	36.9	34.6
60°	75.0	66.9	58.8	45.0	39.2	36.9	33.5	32.3
62.5°	61.2	55.4	49.6	39.2	34.6	32.3	30.0	27.7
65°	48.5	45.0	40.4	33.5	30.0	28.8	26.5	24.2
67.5°	38.1	35.8	32.3	26.5	25.4	24.2	21.9	19.6
70°	28.8	27.7	25.4	20.8	19.6	20.8	18.5	16.2
72.5°	20.8	19.6	18.5	15.0	15.0	15.0	13.8	11.5
75°	13.8	12.7	11.5	10.4	10.4	10.4	10.4	9.2
77.5°	8.1	8.1	6.9	5.8	6.9	6.9	8.1	8.1
80°	3.5	3.5	3.5	3.5	4.6	4.6	5.8	5.8
82.5°	2.3	2.3	2.3	2.3	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
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)