

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: P1313177

Luminaire Tested: P3SQAS05R709730DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313177
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: P3SQAS05R709730DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

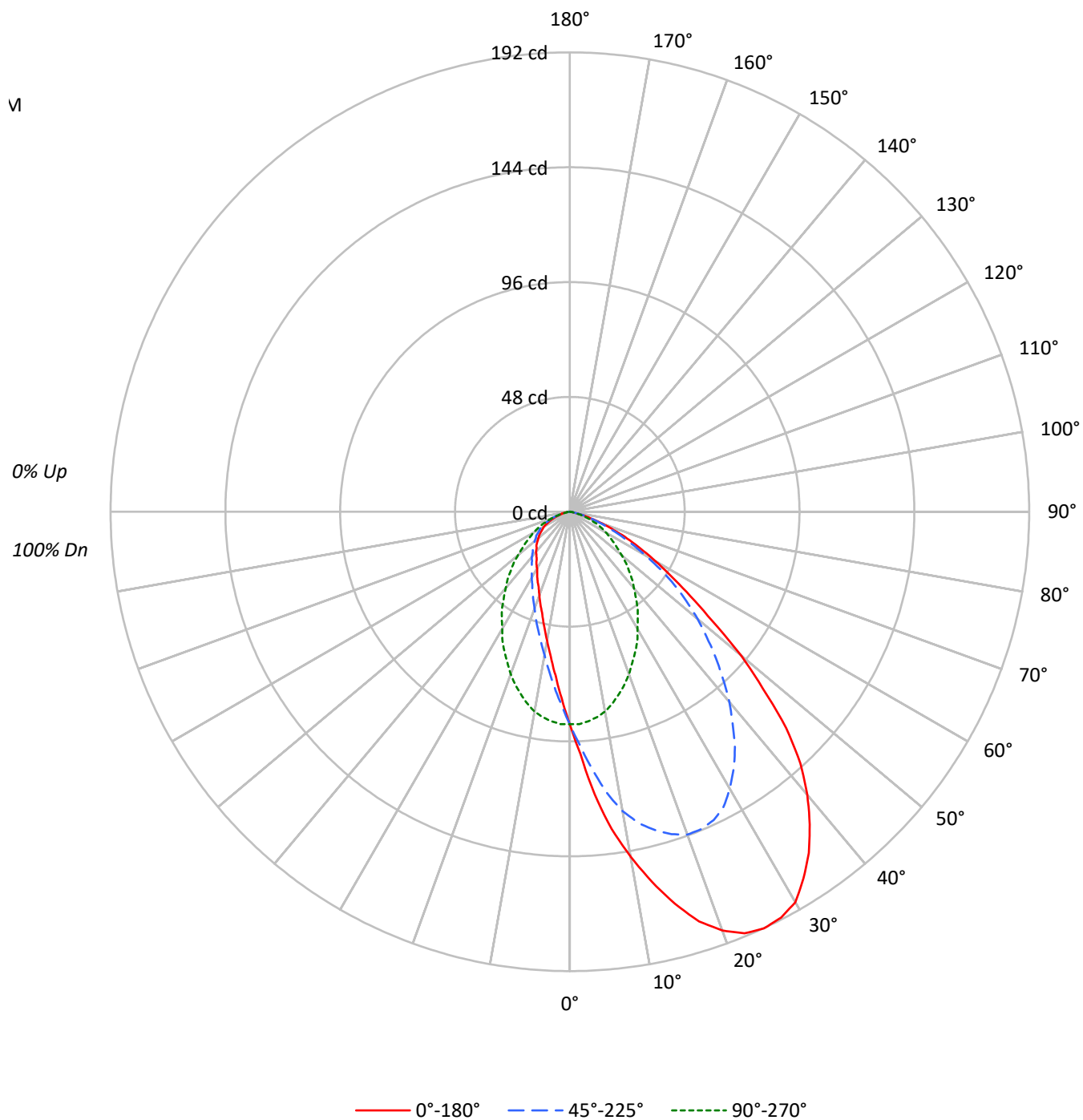
Lumens per Lamp: N/A
Luminaire Lumens: 217.0 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15293	15293	15293	15293	15293
5°	20486	18688	15196	12724	11877
10°	25585	22210	14830	10668	9566
15°	30239	24569	14086	9129	7916
20°	34126	26318	13232	7899	6818
25°	36504	27022	12276	6993	6062
30°	37486	26588	11236	6344	5449
35°	36604	25292	10386	5845	5088
40°	34712	23314	9375	5553	4946
45°	31151	20995	8525	5358	4798
50°	24998	18648	7582	5171	4582
55°	18466	16034	6726	5134	4444
60°	14226	12503	6028	4960	4340
65°	10799	9332	5298	4564	3831
70°	7251	6546	4079	4079	3172
75°	3859	3859	2662	2662	2396
80°	893	1785	1289	1785	2182
85°	0	790	790	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31151 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	4.0
10°-20°	26.6	12.3
20°-30°	41.0	18.9
30°-40°	46.6	21.5
40°-50°	42.1	19.4
50°-60°	29.5	13.6
60°-70°	16.2	7.5
70°-80°	5.4	2.5
80°-90°	0.7	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°	76.4	35.2
0°-40°	123.0	56.7
0°-60°	194.7	89.7
0°-90°	217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	217.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	89	89	89	89	89	
5°	118	108	88	74	69	12
15°	170	138	79	51	44	48
25°	192	142	65	37	32	88
35°	174	120	49	28	24	108
45°	128	86	35	22	20	97
55°	62	53	22	17	15	57
65°	26	23	13	11	9	26
75°	6	6	4	4	4	7
85°	0	0	0	1	1	0
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°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2.5°	101.4	102.3	102.8	101.9	101.4	101.0	100.1	99.6	98.7	97.8	97.4
5°	118.5	118.5	118.5	117.6	116.2	115.3	113.5	112.2	109.9	108.1	106.3
7.5°	133.7	133.7	133.3	131.9	131.0	128.8	126.5	124.7	121.2	118.5	114.9
10°	146.3	146.3	145.8	143.6	142.2	139.6	137.3	134.2	130.6	127.0	122.9
12.5°	158.4	158.4	156.6	154.8	152.1	148.5	145.4	142.2	137.3	133.3	128.3
15°	169.6	169.6	168.7	165.6	162.0	157.9	153.5	149.0	143.1	137.8	132.4
17.5°	179.5	179.0	177.7	174.1	170.5	165.6	160.2	154.8	147.6	141.3	134.6
20°	186.2	186.2	184.4	180.4	176.3	171.0	165.1	158.8	151.2	143.6	135.5
22.5°	190.7	190.3	188.5	184.4	179.5	174.1	167.4	160.6	152.1	143.6	135.1
25°	192.1	191.6	189.8	185.3	180.4	174.6	167.4	160.2	151.2	142.2	132.8
27.5°	191.2	190.7	188.9	184.0	179.0	172.3	165.1	157.5	148.5	139.1	129.7
30°	188.5	187.1	185.3	180.8	175.4	168.7	161.1	152.6	143.6	133.7	124.3
32.5°	181.7	181.7	179.5	175.0	169.6	162.4	154.8	146.7	136.9	127.4	117.6
35°	174.1	173.7	171.9	166.9	162.0	155.3	147.6	139.1	129.7	120.3	110.8
37.5°	164.7	164.2	162.4	157.9	152.6	146.3	138.2	130.1	121.2	111.7	103.2
40°	154.4	153.5	151.2	147.6	143.1	136.0	128.8	120.7	112.2	103.7	95.1
42.5°	142.7	141.8	140.0	137.3	131.9	125.6	118.9	111.3	103.2	94.7	88.4
45°	127.9	127.9	127.0	124.3	120.3	115.3	108.1	101.4	93.8	86.2	79.4
47.5°	109.5	110.4	109.9	108.6	106.8	102.3	97.4	91.5	84.4	77.6	71.3
50°	93.3	93.8	94.2	93.3	92.0	88.8	85.7	82.1	75.8	69.6	63.7
52.5°	74.9	76.3	76.3	76.7	76.7	75.8	74.9	70.9	67.8	61.5	56.1
55°	61.5	61.5	61.5	62.4	62.8	63.3	62.4	61.5	57.9	53.4	48.5
57.5°	50.3	50.3	51.2	50.7	50.7	51.6	51.6	51.2	48.9	44.9	40.4
60°	41.3	41.3	41.3	41.3	41.7	41.7	41.7	41.7	39.9	36.3	32.8
62.5°	33.2	33.2	33.2	33.7	33.7	33.7	34.1	33.7	31.9	29.2	26.0
65°	26.5	26.0	26.5	26.5	26.9	26.9	26.9	26.5	24.7	22.9	20.6
67.5°	19.7	20.2	20.2	20.2	20.6	21.1	20.6	20.2	18.8	17.1	16.2
70°	14.4	14.8	14.8	14.8	15.3	15.7	15.3	14.8	13.9	13.0	12.1
72.5°	9.4	9.9	9.9	10.3	10.8	10.8	10.3	10.3	9.9	9.0	8.5
75°	5.8	5.8	6.3	6.3	6.7	6.7	6.7	6.3	6.3	5.8	5.8
77.5°	2.7	2.7	3.1	3.1	3.1	3.6	3.6	3.6	3.6	3.6	3.1
80°	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.8	1.8	1.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2.5°	96.5	95.1	93.3	88.8	84.4	80.8	78.5	78.1
5°	104.1	101.9	97.8	87.9	79.9	73.6	70.0	68.7
7.5°	111.7	107.7	101.9	86.6	74.5	66.9	62.8	61.0
10°	118.0	113.1	105.4	84.8	70.0	61.0	56.1	54.7
12.5°	122.9	117.1	107.7	82.1	65.5	55.6	50.7	49.4
15°	126.1	119.8	109.0	79.0	61.0	51.2	46.2	44.4
17.5°	127.4	119.8	108.6	75.8	57.0	47.1	42.2	40.8
20°	127.4	118.9	107.2	72.2	52.9	43.1	38.6	37.2
22.5°	126.1	117.1	104.1	68.2	49.4	39.9	35.4	34.1
25°	123.4	113.5	100.5	64.6	45.8	36.8	32.8	31.9
27.5°	119.4	109.5	96.0	61.0	42.6	34.1	30.5	29.6
30°	114.4	104.6	91.1	56.5	39.5	31.9	28.7	27.4
32.5°	108.1	98.7	85.7	52.9	36.8	29.6	26.9	26.0
35°	101.4	92.9	79.9	49.4	34.1	27.8	25.1	24.2
37.5°	94.7	85.7	74.9	45.3	31.9	26.0	23.8	22.9
40°	87.5	80.8	69.6	41.7	30.1	24.7	22.4	22.0
42.5°	80.3	73.1	61.9	38.6	27.8	22.9	21.1	20.6
45°	71.8	65.1	56.1	35.0	26.0	22.0	20.2	19.7
47.5°	64.6	58.3	50.3	31.9	24.2	20.6	18.8	18.4
50°	57.9	51.6	44.0	28.3	22.4	19.3	17.9	17.1
52.5°	50.3	44.9	38.1	25.1	20.6	17.9	16.6	16.2
55°	43.5	38.1	31.9	22.4	18.8	17.1	15.3	14.8
57.5°	35.9	31.4	26.9	19.7	17.1	15.3	14.4	13.5
60°	29.2	26.0	22.9	17.5	15.3	14.4	13.0	12.6
62.5°	23.8	21.5	19.3	15.3	13.5	12.6	11.7	10.8
65°	18.8	17.5	15.7	13.0	11.7	11.2	10.3	9.4
67.5°	14.8	13.9	12.6	10.3	9.9	9.4	8.5	7.6
70°	11.2	10.8	9.9	8.1	7.6	8.1	7.2	6.3
72.5°	8.1	7.6	7.2	5.8	5.8	5.8	5.4	4.5
75°	5.4	4.9	4.5	4.0	4.0	4.0	4.0	3.6
77.5°	3.1	3.1	2.7	2.2	2.7	2.7	3.1	3.1
80°	1.3	1.3	1.3	1.3	1.8	1.8	2.2	2.2
82.5°	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)