

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: P1317793

Luminaire Tested: P3SQAS05R709835DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317793
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: P3SQAS05R709835DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

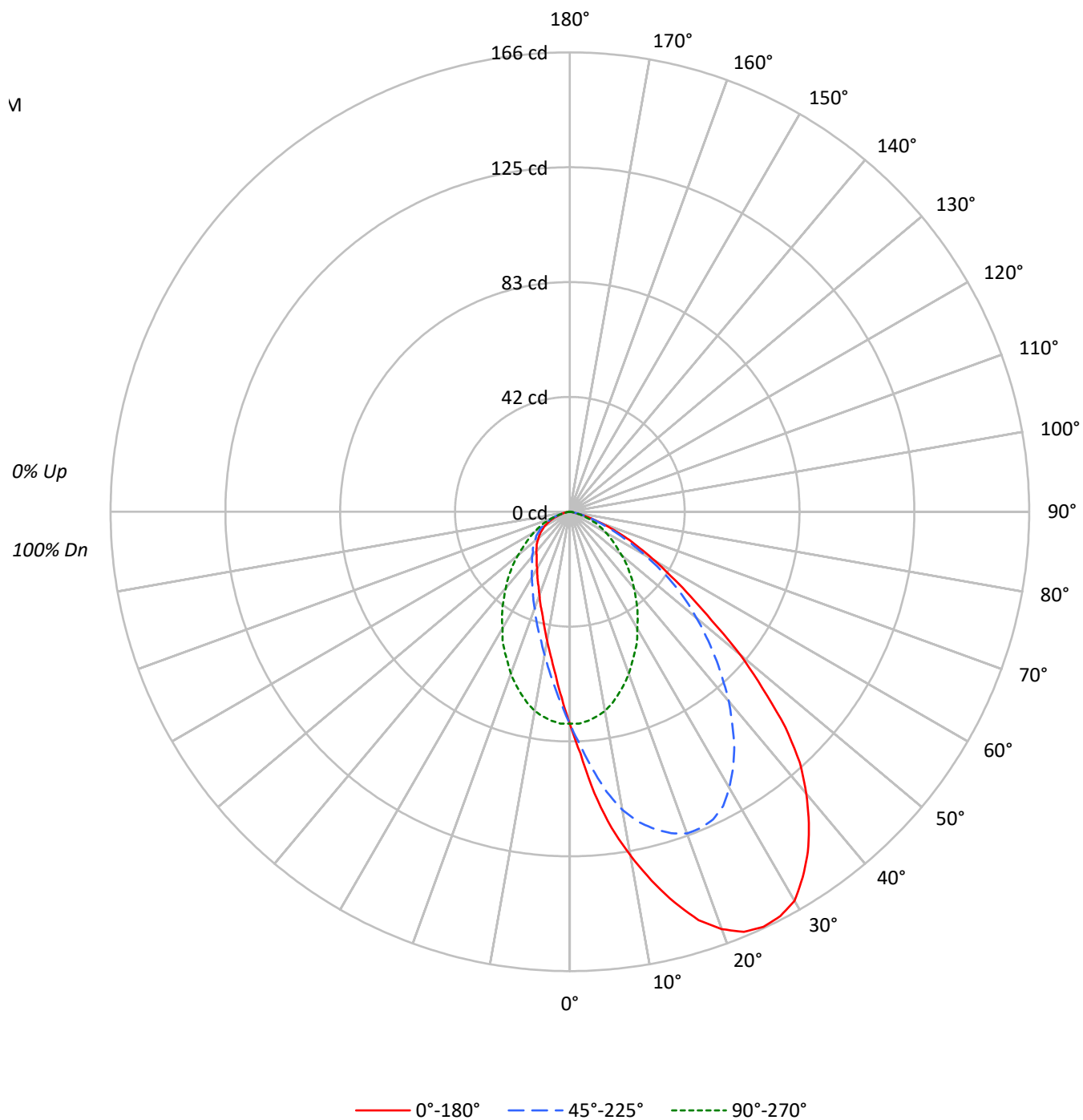
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	13192	13192	13192	13192	13192
5°	17651	16112	13104	10961	10235
10°	22052	19132	12784	9199	8254
15°	26067	21164	12142	7863	6829
20°	29416	22671	11418	6800	5883
25°	31449	23297	10584	6024	5226
30°	32296	22909	9685	5469	4693
35°	31537	21781	8935	5046	4394
40°	29901	20076	8094	4789	4249
45°	26840	18072	7355	4603	4141
50°	21542	16049	6538	4448	3939
55°	15914	13812	5795	4414	3843
60°	12262	10781	5201	4271	3720
65°	9291	8028	4564	3953	3301
70°	6244	5640	3525	3525	2719
75°	3327	3327	2329	2329	2063
80°	793	1488	1190	1488	1884
85°	0	790	790	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	4.0
10°-20°	23.0	12.3
20°-30°	35.4	18.9
30°-40°	40.1	21.5
40°-50°	36.3	19.4
50°-60°	25.4	13.6
60°-70°	14.0	7.5
70°-80°	4.7	2.5
80°-90°	0.6	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°	65.9	35.2
0°-40°	106.0	56.7
0°-60°	167.8	89.7
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	77	77	77	77	77	
5°	102	93	76	63	59	10
15°	146	119	68	44	38	42
25°	166	123	56	32	28	76
35°	150	104	42	24	21	93
45°	110	74	30	19	17	84
55°	53	46	19	15	13	49
65°	23	20	11	10	8	23
75°	5	5	4	4	3	6
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°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2.5°	87.4	88.2	88.6	87.8	87.4	87.0	86.2	85.8	85.1	84.3	83.9
5°	102.1	102.1	102.1	101.3	100.2	99.4	97.8	96.7	94.7	93.2	91.6
7.5°	115.2	115.2	114.8	113.7	112.9	111.0	109.0	107.5	104.4	102.1	99.0
10°	126.1	126.1	125.7	123.7	122.6	120.3	118.3	115.6	112.5	109.4	106.0
12.5°	136.5	136.5	135.0	133.4	131.1	128.0	125.3	122.6	118.3	114.8	110.6
15°	146.2	146.2	145.4	142.7	139.6	136.1	132.2	128.4	123.4	118.7	114.1
17.5°	154.7	154.3	153.1	150.0	146.9	142.7	138.0	133.4	127.2	121.8	116.0
20°	160.5	160.5	158.9	155.4	152.0	147.3	142.3	136.9	130.3	123.7	116.8
22.5°	164.3	164.0	162.4	158.9	154.7	150.0	144.2	138.4	131.1	123.7	116.4
25°	165.5	165.1	163.6	159.7	155.4	150.4	144.2	138.0	130.3	122.6	114.5
27.5°	164.7	164.3	162.8	158.5	154.3	148.5	142.3	135.7	128.0	119.9	111.8
30°	162.4	161.2	159.7	155.8	151.2	145.4	138.8	131.5	123.7	115.2	107.1
32.5°	156.6	156.6	154.7	150.8	146.2	140.0	133.4	126.4	117.9	109.8	101.3
35°	150.0	149.6	148.1	143.8	139.6	133.8	127.2	119.9	111.8	103.6	95.5
37.5°	141.9	141.5	140.0	136.1	131.5	126.1	119.1	112.1	104.4	96.3	88.9
40°	133.0	132.2	130.3	127.2	123.4	117.2	111.0	104.0	96.7	89.3	82.0
42.5°	123.0	122.2	120.6	118.3	113.7	108.3	102.5	95.9	88.9	81.6	76.2
45°	110.2	110.2	109.4	107.1	103.6	99.4	93.2	87.4	80.8	74.2	68.4
47.5°	94.4	95.1	94.7	93.6	92.0	88.2	83.9	78.9	72.7	66.9	61.5
50°	80.4	80.8	81.2	80.4	79.3	76.6	73.9	70.8	65.3	59.9	54.9
52.5°	64.6	65.7	65.7	66.1	66.1	65.3	64.6	61.1	58.4	53.0	48.3
55°	53.0	53.0	53.0	53.7	54.1	54.5	53.7	53.0	49.9	46.0	41.8
57.5°	43.3	43.3	44.1	43.7	43.7	44.5	44.5	44.1	42.1	38.7	34.8
60°	35.6	35.6	35.6	35.6	36.0	36.0	36.0	36.0	34.4	31.3	28.2
62.5°	28.6	28.6	28.6	29.0	29.0	29.0	29.4	29.0	27.5	25.1	22.4
65°	22.8	22.4	22.8	22.8	23.2	23.2	23.2	22.8	21.3	19.7	17.8
67.5°	17.0	17.4	17.4	17.4	17.8	18.2	17.8	17.4	16.2	14.7	13.9
70°	12.4	12.8	12.8	12.8	13.1	13.5	13.1	12.8	12.0	11.2	10.4
72.5°	8.1	8.5	8.5	8.9	9.3	9.3	8.9	8.9	8.5	7.7	7.3
75°	5.0	5.0	5.4	5.4	5.8	5.8	5.8	5.4	5.4	5.0	5.0
77.5°	2.3	2.3	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.1	2.7
80°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.5	1.5	1.5
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
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°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2.5°	83.1	82.0	80.4	76.6	72.7	69.6	67.7	67.3
5°	89.7	87.8	84.3	75.8	68.8	63.4	60.3	59.2
7.5°	96.3	92.8	87.8	74.6	64.2	57.6	54.1	52.6
10°	101.7	97.4	90.9	73.1	60.3	52.6	48.3	47.2
12.5°	106.0	100.9	92.8	70.8	56.5	47.9	43.7	42.5
15°	108.7	103.2	94.0	68.1	52.6	44.1	39.8	38.3
17.5°	109.8	103.2	93.6	65.3	49.1	40.6	36.3	35.2
20°	109.8	102.5	92.4	62.3	45.6	37.1	33.3	32.1
22.5°	108.7	100.9	89.7	58.8	42.5	34.4	30.5	29.4
25°	106.3	97.8	86.6	55.7	39.4	31.7	28.2	27.5
27.5°	102.9	94.4	82.7	52.6	36.7	29.4	26.3	25.5
30°	98.6	90.1	78.5	48.7	34.0	27.5	24.7	23.6
32.5°	93.2	85.1	73.9	45.6	31.7	25.5	23.2	22.4
35°	87.4	80.0	68.8	42.5	29.4	24.0	21.7	20.9
37.5°	81.6	73.9	64.6	39.1	27.5	22.4	20.5	19.7
40°	75.4	69.6	59.9	36.0	25.9	21.3	19.3	18.9
42.5°	69.2	63.0	53.4	33.3	24.0	19.7	18.2	17.8
45°	61.9	56.1	48.3	30.2	22.4	18.9	17.4	17.0
47.5°	55.7	50.3	43.3	27.5	20.9	17.8	16.2	15.9
50°	49.9	44.5	37.9	24.4	19.3	16.6	15.5	14.7
52.5°	43.3	38.7	32.9	21.7	17.8	15.5	14.3	13.9
55°	37.5	32.9	27.5	19.3	16.2	14.7	13.1	12.8
57.5°	30.9	27.1	23.2	17.0	14.7	13.1	12.4	11.6
60°	25.1	22.4	19.7	15.1	13.1	12.4	11.2	10.8
62.5°	20.5	18.6	16.6	13.1	11.6	10.8	10.1	9.3
65°	16.2	15.1	13.5	11.2	10.1	9.7	8.9	8.1
67.5°	12.8	12.0	10.8	8.9	8.5	8.1	7.3	6.6
70°	9.7	9.3	8.5	7.0	6.6	7.0	6.2	5.4
72.5°	7.0	6.6	6.2	5.0	5.0	5.0	4.6	3.9
75°	4.6	4.3	3.9	3.5	3.5	3.5	3.5	3.1
77.5°	2.7	2.7	2.3	1.9	2.3	2.3	2.7	2.7
80°	1.2	1.2	1.2	1.2	1.5	1.5	1.9	1.9
82.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
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)