

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: P1312205

Luminaire Tested: P3SQAS05R709727DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312205
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: P3SQAS05R709727DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

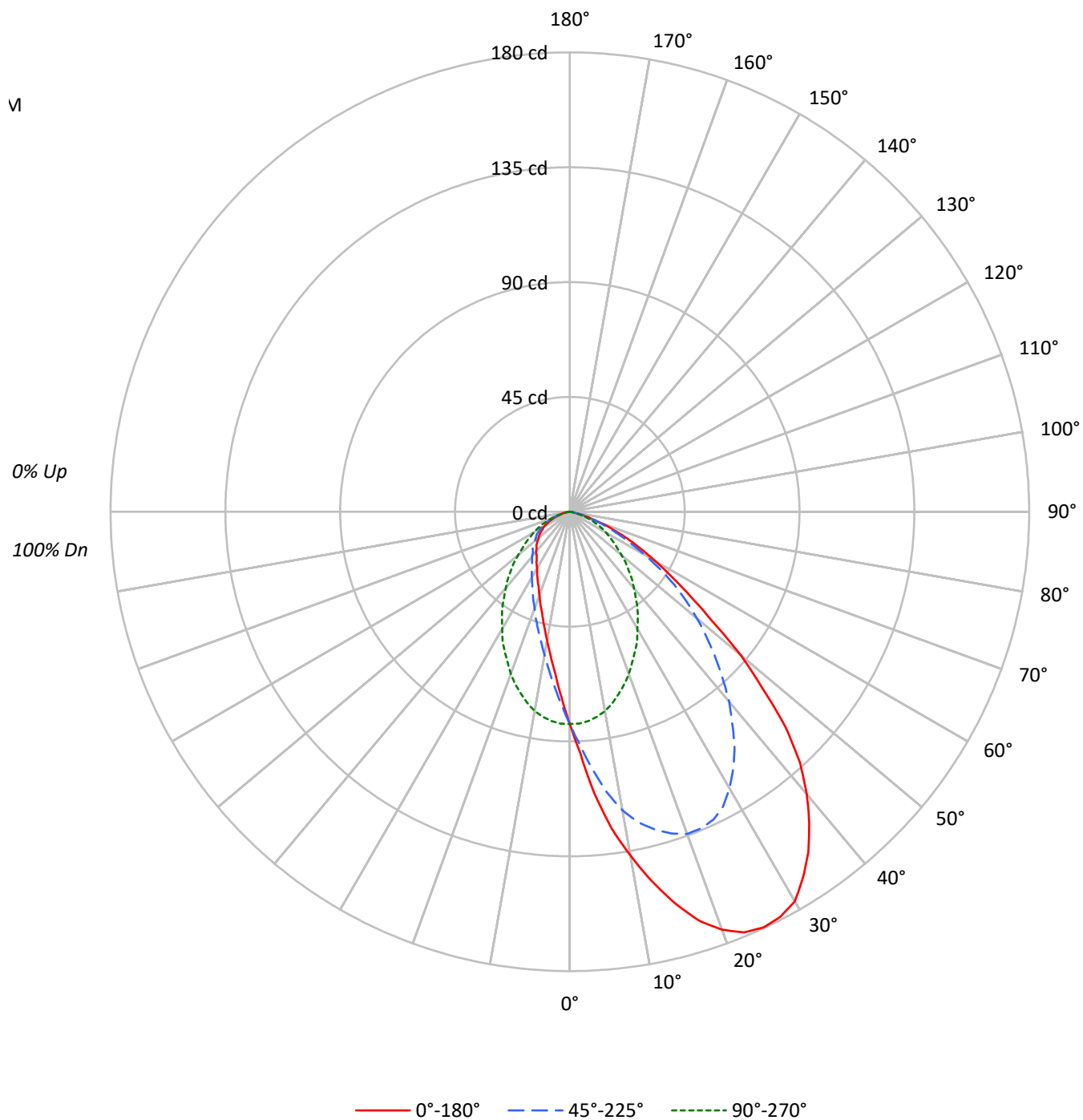
Lumens per Lamp: N/A
Luminaire Lumens: 203.0 lumens
Efficiency: N/A
Efficacy: 28.2 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	83	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	75	71	68	68	68	66
4	87	76	68	62	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°	14312	14312	14312	14312	14312
5°	19155	17496	14228	11894	11099
10°	23924	20776	13868	9986	8954
15°	28296	22983	13176	8540	7417
20°	31927	24614	12389	7386	6378
25°	34148	25293	11478	6537	5663
30°	35060	24878	10520	5926	5091
35°	34249	23653	9713	5466	4773
40°	32464	21808	8768	5193	4631
45°	29130	19631	7964	5017	4506
50°	23390	17442	7073	4823	4287
55°	17265	15013	6305	4804	4174
60°	13296	11711	5649	4616	4064
65°	10106	8721	4972	4279	3586
70°	6748	6143	3827	3827	2971
75°	3660	3660	2529	2529	2262
80°	793	1686	1289	1686	2083
85°	0	790	790	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29130 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	4.0
10°-20°	24.9	12.3
20°-30°	38.4	18.9
30°-40°	43.6	21.5
40°-50°	39.4	19.4
50°-60°	27.6	13.6
60°-70°	15.2	7.5
70°-80°	5.1	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°	71.5	35.2
0°-40°	115.1	56.7
0°-60°	182.1	89.7
0°-90°	203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	111	101	82	69	64	11
15°	159	129	74	48	42	45
25°	180	133	60	34	30	82
35°	163	112	46	26	23	101
45°	120	81	33	21	18	91
55°	58	50	21	16	14	53
65°	25	21	12	10	9	25
75°	6	6	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°	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2.5°	94.9	95.7	96.1	95.3	94.9	94.4	93.6	93.2	92.3	91.5	91.1
5°	110.8	110.8	110.8	110.0	108.7	107.9	106.2	104.9	102.8	101.2	99.5
7.5°	125.1	125.1	124.7	123.4	122.6	120.5	118.4	116.7	113.3	110.8	107.5
10°	136.8	136.8	136.4	134.3	133.1	130.5	128.4	125.5	122.2	118.8	115.0
12.5°	148.2	148.2	146.5	144.8	142.3	138.9	136.0	133.1	128.4	124.7	120.1
15°	158.7	158.7	157.8	154.9	151.5	147.8	143.6	139.4	133.9	128.9	123.8
17.5°	167.9	167.5	166.2	162.9	159.5	154.9	149.9	144.8	138.1	132.2	125.9
20°	174.2	174.2	172.5	168.7	165.0	159.9	154.5	148.6	141.5	134.3	126.8
22.5°	178.4	178.0	176.3	172.5	167.9	162.9	156.6	150.3	142.3	134.3	126.3
25°	179.7	179.2	177.6	173.4	168.7	163.3	156.6	149.9	141.5	133.1	124.3
27.5°	178.8	178.4	176.7	172.1	167.5	161.2	154.5	147.3	138.9	130.1	121.3
30°	176.3	175.0	173.4	169.2	164.1	157.8	150.7	142.7	134.3	125.1	116.3
32.5°	170.0	170.0	167.9	163.7	158.7	152.0	144.8	137.3	128.0	119.2	110.0
35°	162.9	162.4	160.8	156.2	151.5	145.2	138.1	130.1	121.3	112.5	103.7
37.5°	154.1	153.6	152.0	147.8	142.7	136.8	129.3	121.7	113.3	104.5	96.5
40°	144.4	143.6	141.5	138.1	133.9	127.2	120.5	112.9	104.9	97.0	89.0
42.5°	133.5	132.6	131.0	128.4	123.4	117.5	111.2	104.1	96.5	88.6	82.7
45°	119.6	119.6	118.8	116.3	112.5	107.9	101.2	94.9	87.7	80.6	74.3
47.5°	102.4	103.3	102.8	101.6	99.9	95.7	91.1	85.6	78.9	72.6	66.7
50°	87.3	87.7	88.2	87.3	86.1	83.1	80.2	76.8	70.9	65.1	59.6
52.5°	70.1	71.4	71.4	71.8	71.8	70.9	70.1	66.3	63.4	57.5	52.5
55°	57.5	57.5	57.5	58.3	58.8	59.2	58.3	57.5	54.1	50.0	45.3
57.5°	47.0	47.0	47.9	47.4	47.4	48.3	48.3	47.9	45.8	42.0	37.8
60°	38.6	38.6	38.6	38.6	39.0	39.0	39.0	39.0	37.4	34.0	30.6
62.5°	31.1	31.1	31.1	31.5	31.5	31.5	31.9	31.5	29.8	27.3	24.3
65°	24.8	24.3	24.8	24.8	25.2	25.2	25.2	24.8	23.1	21.4	19.3
67.5°	18.5	18.9	18.9	18.9	19.3	19.7	19.3	18.9	17.6	16.0	15.1
70°	13.4	13.9	13.9	13.9	14.3	14.7	14.3	13.9	13.0	12.2	11.3
72.5°	8.8	9.2	9.2	9.7	10.1	10.1	9.7	9.7	9.2	8.4	8.0
75°	5.5	5.5	5.9	5.9	6.3	6.3	6.3	5.9	5.9	5.5	5.5
77.5°	2.5	2.5	2.9	2.9	2.9	3.4	3.4	3.4	3.4	3.4	2.9
80°	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.7	1.7	1.7
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°	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2.5°	90.2	89.0	87.3	83.1	78.9	75.6	73.5	73.0
5°	97.4	95.3	91.5	82.3	74.7	68.8	65.5	64.2
7.5°	104.5	100.7	95.3	81.0	69.7	62.5	58.8	57.1
10°	110.4	105.8	98.6	79.3	65.5	57.1	52.5	51.2
12.5°	115.0	109.6	100.7	76.8	61.3	52.1	47.4	46.2
15°	118.0	112.1	102.0	73.9	57.1	47.9	43.2	41.6
17.5°	119.2	112.1	101.6	70.9	53.3	44.1	39.5	38.2
20°	119.2	111.2	100.3	67.6	49.5	40.3	36.1	34.8
22.5°	118.0	109.6	97.4	63.8	46.2	37.4	33.2	31.9
25°	115.4	106.2	94.0	60.4	42.8	34.4	30.6	29.8
27.5°	111.7	102.4	89.8	57.1	39.9	31.9	28.5	27.7
30°	107.0	97.8	85.2	52.9	36.9	29.8	26.9	25.6
32.5°	101.2	92.3	80.2	49.5	34.4	27.7	25.2	24.3
35°	94.9	86.9	74.7	46.2	31.9	26.0	23.5	22.7
37.5°	88.6	80.2	70.1	42.4	29.8	24.3	22.2	21.4
40°	81.9	75.6	65.1	39.0	28.1	23.1	21.0	20.6
42.5°	75.1	68.4	57.9	36.1	26.0	21.4	19.7	19.3
45°	67.2	60.9	52.5	32.7	24.3	20.6	18.9	18.5
47.5°	60.4	54.6	47.0	29.8	22.7	19.3	17.6	17.2
50°	54.1	48.3	41.1	26.4	21.0	18.0	16.8	16.0
52.5°	47.0	42.0	35.7	23.5	19.3	16.8	15.5	15.1
55°	40.7	35.7	29.8	21.0	17.6	16.0	14.3	13.9
57.5°	33.6	29.4	25.2	18.5	16.0	14.3	13.4	12.6
60°	27.3	24.3	21.4	16.4	14.3	13.4	12.2	11.8
62.5°	22.2	20.1	18.0	14.3	12.6	11.8	10.9	10.1
65°	17.6	16.4	14.7	12.2	10.9	10.5	9.7	8.8
67.5°	13.9	13.0	11.8	9.7	9.2	8.8	8.0	7.1
70°	10.5	10.1	9.2	7.6	7.1	7.6	6.7	5.9
72.5°	7.6	7.1	6.7	5.5	5.5	5.5	5.0	4.2
75°	5.0	4.6	4.2	3.8	3.8	3.8	3.8	3.4
77.5°	2.9	2.9	2.5	2.1	2.5	2.5	2.9	2.9
80°	1.3	1.3	1.3	1.3	1.7	1.7	2.1	2.1
82.5°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3
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)