

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: P1307772

Luminaire Tested: P3SQAS05R709030DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709030DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

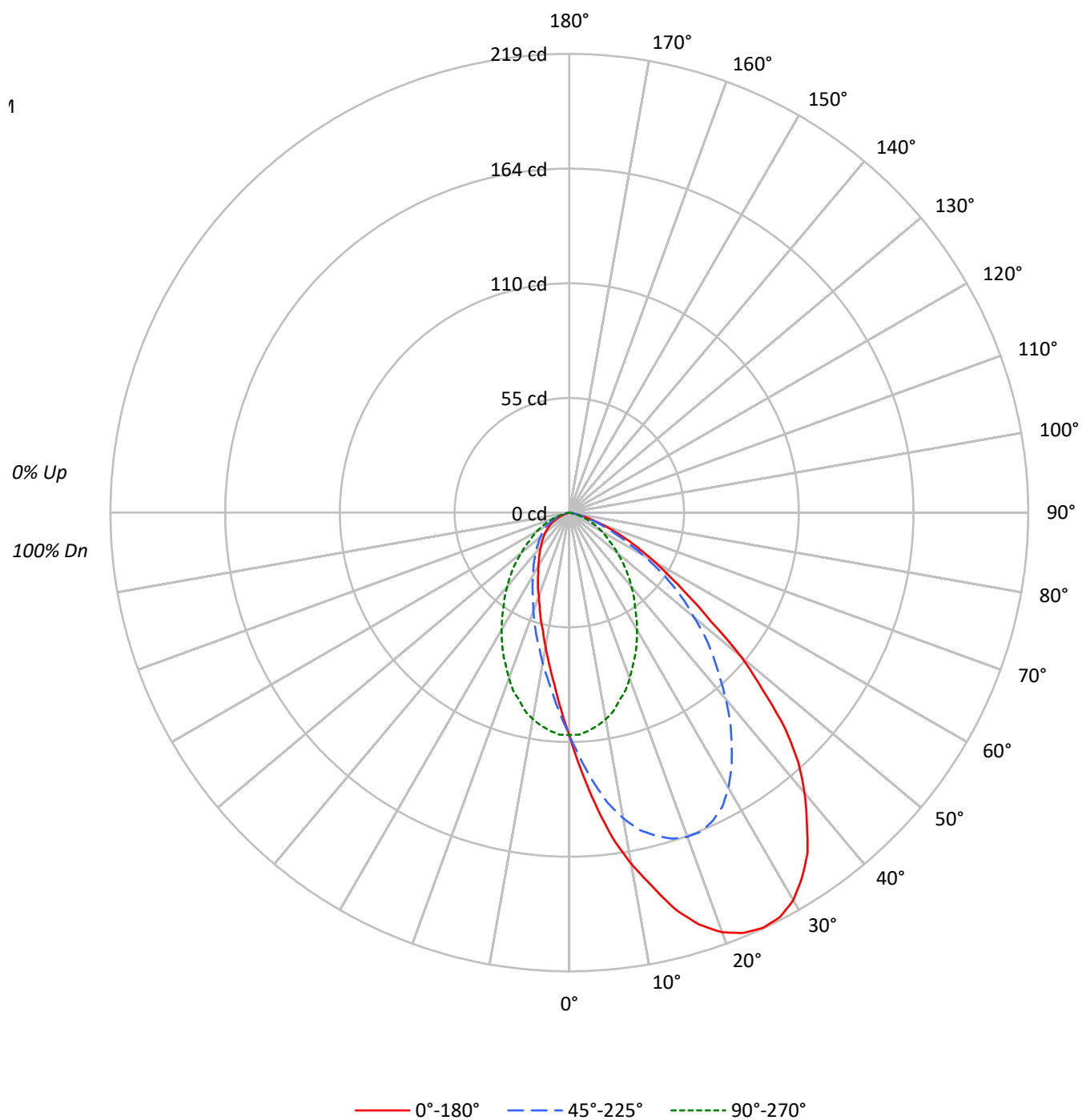
Lumens per Lamp: N/A
Luminaire Lumens: 238.0 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	40	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18273	18273	18273	18273	18273
5°	24048	22232	18083	15144	14193
10°	29764	25917	17505	12784	11385
15°	34982	28474	16510	10805	9378
20°	39074	30185	15413	9182	7789
25°	41559	30822	14176	7886	6746
30°	42498	30168	12847	6861	5867
35°	41671	28404	11479	6202	5256
40°	39276	26102	10342	5621	4721
45°	35462	23650	9255	5115	4384
50°	28695	20791	8038	4823	4019
55°	20898	17896	6906	4504	3603
60°	16189	14122	6200	4133	3272
65°	12225	10188	5094	3668	2445
70°	8560	7301	3777	2769	1511
75°	4991	4325	1996	1331	333
80°	992	1488	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	4.4
10°-20°	30.9	13.0
20°-30°	46.6	19.6
30°-40°	51.8	21.8
40°-50°	45.9	19.3
50°-60°	31.2	13.1
60°-70°	16.3	6.9
70°-80°	4.6	1.9
80°-90°	0.1	0.1
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°	87.9	37.0
0°-40°	139.7	58.7
0°-60°	216.8	91.1
0°-90°	238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	238.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	106	106	106	106	106	
5°	139	129	105	88	82	14
15°	196	160	93	61	53	56
25°	219	162	75	42	36	100
35°	198	135	55	30	25	123
45°	146	97	38	21	18	110
55°	70	60	23	15	12	64
65°	30	25	12	9	6	30
75°	8	6	3	2	0	8
85°	0	0	0	0	0	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°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	122.1	121.6	121.1	121.1	120.6	120.1	119.1	119.1	118.1	117.1	116.1
5°	139.1	139.1	139.1	137.6	137.6	135.6	134.6	132.6	130.6	128.6	126.1
7.5°	156.2	156.2	154.7	154.2	152.7	150.7	149.2	146.1	142.6	139.6	135.6
10°	170.2	170.2	168.7	167.7	164.7	162.7	159.7	156.2	152.7	148.2	143.1
12.5°	182.7	183.2	181.2	179.2	176.2	173.2	169.2	164.7	160.2	155.2	148.7
15°	196.2	195.7	193.2	190.7	187.2	182.7	177.7	171.7	165.7	159.7	152.7
17.5°	206.2	205.7	203.2	200.2	195.7	190.2	184.7	177.7	170.7	163.2	154.7
20°	213.2	212.7	210.2	206.2	201.7	195.7	189.2	181.2	173.7	164.7	155.2
22.5°	217.2	216.7	213.7	210.2	204.7	198.2	191.2	182.7	174.2	164.7	154.2
25°	218.7	217.7	214.7	210.7	205.2	198.2	190.2	181.2	172.2	162.2	151.2
27.5°	217.7	216.7	213.2	208.7	202.7	194.7	186.7	177.7	168.2	158.2	146.6
30°	213.7	212.2	209.2	204.7	198.2	190.2	181.7	172.2	162.2	151.7	140.1
32.5°	206.7	205.7	202.7	197.7	191.2	183.2	174.7	164.7	154.7	144.1	132.6
35°	198.2	196.2	193.2	188.7	182.2	174.2	165.7	155.2	145.6	135.1	124.1
37.5°	186.2	185.7	182.2	178.7	172.2	163.7	155.7	145.6	136.1	126.1	115.1
40°	174.7	173.7	170.7	166.7	160.2	152.7	144.1	135.1	125.6	116.1	106.1
42.5°	161.7	160.2	158.2	154.2	148.2	140.6	132.6	123.6	115.1	106.1	97.1
45°	145.6	145.1	142.6	140.6	135.1	128.6	120.6	112.6	104.1	97.1	90.1
47.5°	125.1	124.6	124.1	122.6	119.6	115.1	109.1	101.6	95.1	88.1	78.6
50°	107.1	106.6	105.6	105.1	102.6	100.1	95.6	91.1	85.6	77.6	70.1
52.5°	85.1	85.6	87.1	87.6	87.1	85.1	83.1	81.6	74.1	69.1	62.1
55°	69.6	69.6	69.1	69.6	70.1	71.1	71.1	69.1	64.1	59.6	53.6
57.5°	57.1	57.1	57.1	57.1	57.1	57.6	57.6	57.1	54.6	50.1	44.5
60°	47.0	46.5	46.5	47.0	46.5	46.5	47.0	47.0	44.5	41.0	36.0
62.5°	38.0	38.0	38.0	37.5	37.5	38.0	38.0	37.5	35.5	32.0	28.5
65°	30.0	30.0	30.0	30.0	30.0	30.5	30.0	29.5	27.5	25.0	22.5
67.5°	23.0	23.0	23.5	23.0	23.5	23.5	23.5	22.5	21.0	19.0	17.5
70°	17.0	17.0	17.0	17.5	18.0	18.0	17.5	16.5	15.5	14.5	13.0
72.5°	11.5	12.0	12.0	12.0	12.5	12.5	12.0	11.5	11.0	10.0	9.5
75°	7.5	7.0	7.5	7.5	8.0	8.0	7.5	7.5	7.0	6.5	6.0
77.5°	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5
80°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	115.1	113.6	111.6	106.1	101.1	96.6	94.1	93.6
5°	123.1	121.1	116.1	104.6	95.1	87.6	83.1	82.1
7.5°	131.6	127.6	120.6	102.6	89.1	79.6	74.6	73.1
10°	138.1	133.1	123.6	100.1	83.1	73.1	67.1	65.1
12.5°	142.6	136.6	126.1	97.1	78.1	66.1	60.1	58.1
15°	145.1	138.6	126.6	92.6	72.1	60.6	54.1	52.6
17.5°	146.1	138.6	125.6	89.1	66.6	55.1	49.1	47.0
20°	145.6	136.6	123.1	84.1	61.6	50.1	44.0	42.5
22.5°	143.6	133.6	119.1	79.1	56.6	45.0	40.0	39.0
25°	140.6	129.6	114.6	74.6	52.1	41.5	36.5	35.5
27.5°	135.6	124.6	108.6	69.6	48.0	38.0	33.5	32.0
30°	129.1	118.6	102.6	64.6	44.0	34.5	30.5	29.5
32.5°	122.1	111.6	96.6	59.6	40.5	32.0	28.0	27.0
35°	114.1	104.1	89.1	54.6	37.0	29.5	25.5	25.0
37.5°	106.1	96.1	82.6	50.6	34.0	27.0	23.5	23.0
40°	97.1	89.1	79.1	46.0	31.5	25.0	22.0	21.0
42.5°	91.6	80.6	68.1	42.0	29.0	23.0	20.0	19.5
45°	79.6	71.6	61.6	38.0	26.5	21.0	18.5	18.0
47.5°	71.6	64.6	55.1	34.0	24.5	19.5	17.0	16.5
50°	63.6	57.1	48.0	30.0	22.5	18.0	15.5	15.0
52.5°	55.6	49.1	41.0	26.5	20.0	16.5	14.0	13.5
55°	47.5	41.5	34.0	23.0	18.0	15.0	13.0	12.0
57.5°	39.0	34.0	29.0	20.5	16.0	13.5	11.5	10.5
60°	31.5	28.5	24.5	18.0	14.0	12.0	10.0	9.5
62.5°	25.5	23.0	20.5	15.5	12.5	10.5	9.0	7.5
65°	20.5	19.0	17.0	12.5	10.5	9.0	7.5	6.0
67.5°	16.0	15.0	13.5	10.5	8.5	7.5	5.5	4.5
70°	12.5	11.5	10.5	7.5	6.5	5.5	4.0	3.0
72.5°	9.0	8.0	7.5	5.5	4.5	4.0	2.5	1.5
75°	5.5	5.5	4.5	3.0	2.5	2.0	1.0	0.5
77.5°	3.0	3.0	2.5	1.5	1.5	0.5	0.0	0.0
80°	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
82.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)