

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: P1308891

Luminaire Tested: P3SQAS05R709035DE010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308891
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: P3SQAS05R709035DE010 E3SQCLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLSWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

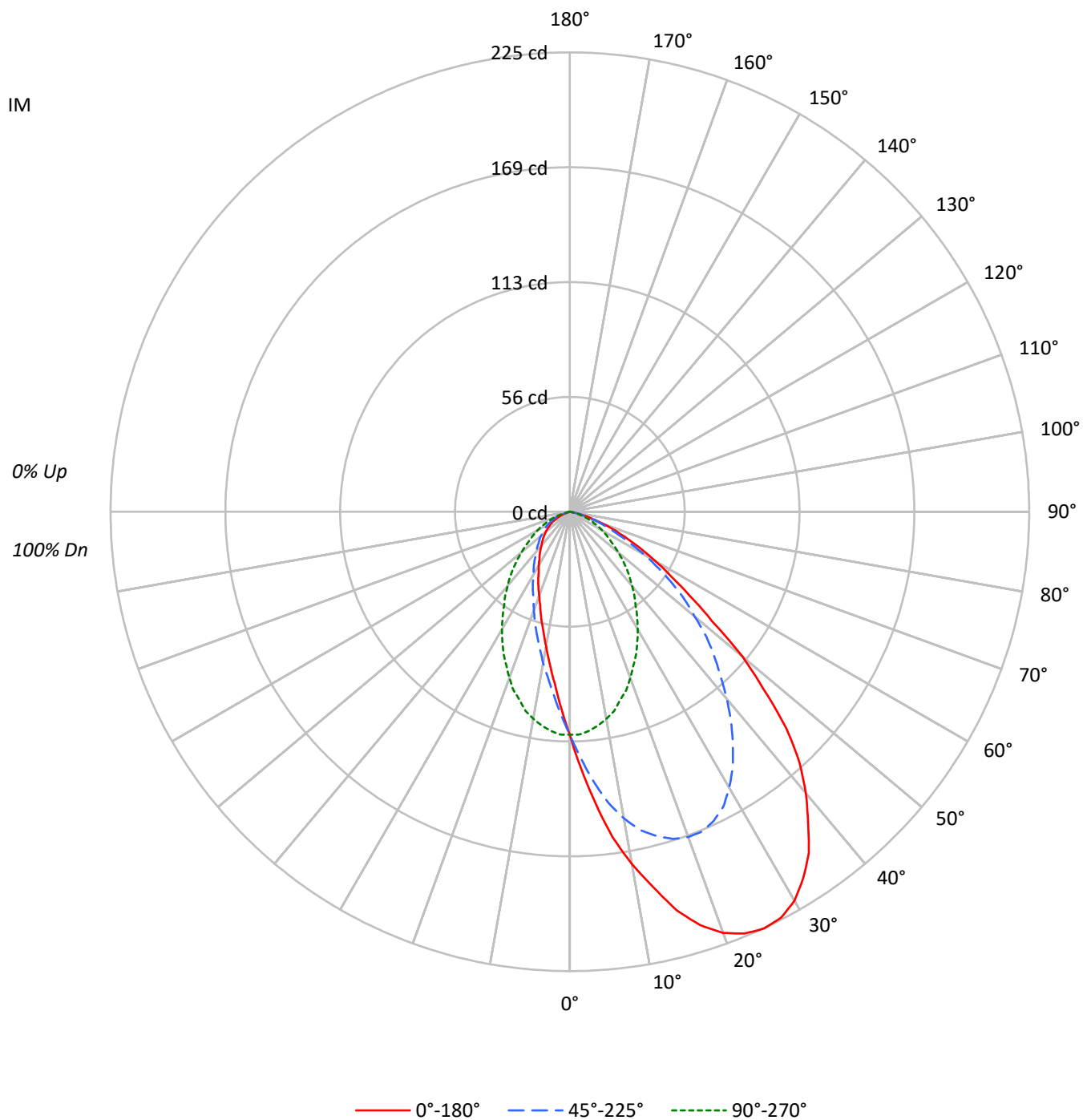
Lumens per Lamp: N/A
Luminaire Lumens: 245.0 lumens
Efficiency: N/A
Efficacy: 34.0 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	39	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°	18807	18807	18807	18807	18807
5°	24756	22889	18619	15594	14608
10°	30639	26669	18013	13151	11717
15°	36016	29312	16992	11108	9646
20°	40229	31065	15872	9439	8027
25°	42794	31715	14594	8133	6955
30°	43750	31043	13225	7080	6046
35°	42890	29245	11816	6391	5424
40°	40423	26866	10657	5800	4856
45°	36510	24356	9548	5261	4506
50°	29553	21408	8279	4957	4153
55°	21499	18406	7116	4654	3723
60°	16671	14536	6372	4271	3376
65°	12592	10514	5257	3790	2527
70°	8812	7503	3877	2870	1561
75°	5124	4458	2063	1397	333
80°	992	1488	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	4.4
10°-20°	31.8	13.0
20°-30°	48.0	19.6
30°-40°	53.3	21.8
40°-50°	47.3	19.3
50°-60°	32.1	13.1
60°-70°	16.8	6.9
70°-80°	4.8	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°	90.5	36.9
0°-40°	143.9	58.7
0°-60°	223.2	91.1
0°-90°	245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	109	109	109	109	109	
5°	143	132	108	90	84	15
15°	202	164	95	62	54	57
25°	225	167	77	43	37	103
35°	204	139	56	30	26	126
45°	150	100	39	22	18	114
55°	72	61	24	16	12	66
65°	31	26	13	9	6	31
75°	8	7	3	2	0	9
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°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	125.7	125.2	124.7	124.7	124.2	123.7	122.6	122.6	121.6	120.6	119.5
5°	143.2	143.2	143.2	141.7	141.7	139.6	138.6	136.5	134.5	132.4	129.8
7.5°	160.8	160.8	159.2	158.7	157.1	155.1	153.5	150.4	146.8	143.7	139.6
10°	175.2	175.2	173.6	172.6	169.5	167.5	164.4	160.8	157.1	152.5	147.4
12.5°	188.1	188.6	186.5	184.5	181.4	178.3	174.1	169.5	164.9	159.7	153.0
15°	202.0	201.5	198.9	196.3	192.7	188.1	182.9	176.7	170.5	164.4	157.1
17.5°	212.3	211.8	209.2	206.1	201.5	195.8	190.1	182.9	175.7	168.0	159.2
20°	219.5	219.0	216.4	212.3	207.6	201.5	194.8	186.5	178.8	169.5	159.7
22.5°	223.6	223.1	220.0	216.4	210.7	204.0	196.8	188.1	179.3	169.5	158.7
25°	225.2	224.1	221.0	216.9	211.2	204.0	195.8	186.5	177.2	166.9	155.6
27.5°	224.1	223.1	219.5	214.9	208.7	200.4	192.2	182.9	173.1	162.8	151.0
30°	220.0	218.5	215.4	210.7	204.0	195.8	187.0	177.2	166.9	156.1	144.3
32.5°	212.8	211.8	208.7	203.5	196.8	188.6	179.8	169.5	159.2	148.4	136.5
35°	204.0	202.0	198.9	194.2	187.5	179.3	170.5	159.7	149.9	139.1	127.8
37.5°	191.7	191.2	187.5	183.9	177.2	168.5	160.2	149.9	140.1	129.8	118.5
40°	179.8	178.8	175.7	171.6	164.9	157.1	148.4	139.1	129.3	119.5	109.2
42.5°	166.4	164.9	162.8	158.7	152.5	144.8	136.5	127.3	118.5	109.2	100.0
45°	149.9	149.4	146.8	144.8	139.1	132.4	124.2	115.9	107.2	100.0	92.7
47.5°	128.8	128.3	127.8	126.2	123.1	118.5	112.3	104.6	97.9	90.7	80.9
50°	110.3	109.7	108.7	108.2	105.6	103.0	98.4	93.8	88.1	79.9	72.1
52.5°	87.6	88.1	89.7	90.2	89.7	87.6	85.5	84.0	76.3	71.1	63.9
55°	71.6	71.6	71.1	71.6	72.1	73.2	73.2	71.1	65.9	61.3	55.1
57.5°	58.7	58.7	58.7	58.7	58.7	59.3	59.3	58.7	56.2	51.5	45.9
60°	48.4	47.9	47.9	48.4	47.9	47.9	48.4	48.4	45.9	42.2	37.1
62.5°	39.2	39.2	39.2	38.6	38.6	39.2	39.2	38.6	36.6	33.0	29.4
65°	30.9	30.9	30.9	30.9	30.9	31.4	30.9	30.4	28.3	25.8	23.2
67.5°	23.7	23.7	24.2	23.7	24.2	24.2	24.2	23.2	21.6	19.6	18.0
70°	17.5	17.5	17.5	18.0	18.5	18.5	18.0	17.0	16.0	14.9	13.4
72.5°	11.9	12.4	12.4	12.4	12.9	12.9	12.4	11.9	11.3	10.3	9.8
75°	7.7	7.2	7.7	7.7	8.2	8.2	7.7	7.7	7.2	6.7	6.2
77.5°	3.6	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.6
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°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	118.5	117.0	114.9	109.2	104.1	99.4	96.9	96.3
5°	126.7	124.7	119.5	107.7	97.9	90.2	85.5	84.5
7.5°	135.5	131.4	124.2	105.6	91.7	81.9	76.8	75.2
10°	142.2	137.1	127.3	103.0	85.5	75.2	69.0	67.0
12.5°	146.8	140.7	129.8	100.0	80.4	68.0	61.8	59.8
15°	149.4	142.7	130.4	95.3	74.2	62.3	55.6	54.1
17.5°	150.4	142.7	129.3	91.7	68.5	56.7	50.5	48.4
20°	149.9	140.7	126.7	86.6	63.4	51.5	45.3	43.8
22.5°	147.9	137.6	122.6	81.4	58.2	46.4	41.2	40.2
25°	144.8	133.4	118.0	76.8	53.6	42.8	37.6	36.6
27.5°	139.6	128.3	111.8	71.6	49.5	39.2	34.5	33.0
30°	132.9	122.1	105.6	66.5	45.3	35.6	31.4	30.4
32.5°	125.7	114.9	99.4	61.3	41.7	33.0	28.9	27.8
35°	117.5	107.2	91.7	56.2	38.1	30.4	26.3	25.8
37.5°	109.2	98.9	85.0	52.0	35.0	27.8	24.2	23.7
40°	100.0	91.7	81.4	47.4	32.5	25.8	22.7	21.6
42.5°	94.3	83.0	70.1	43.3	29.9	23.7	20.6	20.1
45°	81.9	73.7	63.4	39.2	27.3	21.6	19.1	18.5
47.5°	73.7	66.5	56.7	35.0	25.2	20.1	17.5	17.0
50°	65.4	58.7	49.5	30.9	23.2	18.5	16.0	15.5
52.5°	57.2	50.5	42.2	27.3	20.6	17.0	14.4	13.9
55°	48.9	42.8	35.0	23.7	18.5	15.5	13.4	12.4
57.5°	40.2	35.0	29.9	21.1	16.5	13.9	11.9	10.8
60°	32.5	29.4	25.2	18.5	14.4	12.4	10.3	9.8
62.5°	26.3	23.7	21.1	16.0	12.9	10.8	9.3	7.7
65°	21.1	19.6	17.5	12.9	10.8	9.3	7.7	6.2
67.5°	16.5	15.5	13.9	10.8	8.8	7.7	5.7	4.6
70°	12.9	11.9	10.8	7.7	6.7	5.7	4.1	3.1
72.5°	9.3	8.2	7.7	5.7	4.6	4.1	2.6	1.5
75°	5.7	5.7	4.6	3.1	2.6	2.1	1.0	0.5
77.5°	3.1	3.1	2.6	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)