

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: P1309519

Luminaire Tested: P3SQAS20R709035D010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309519
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: P3SQAS20R709035D010 E3SQCLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLSWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

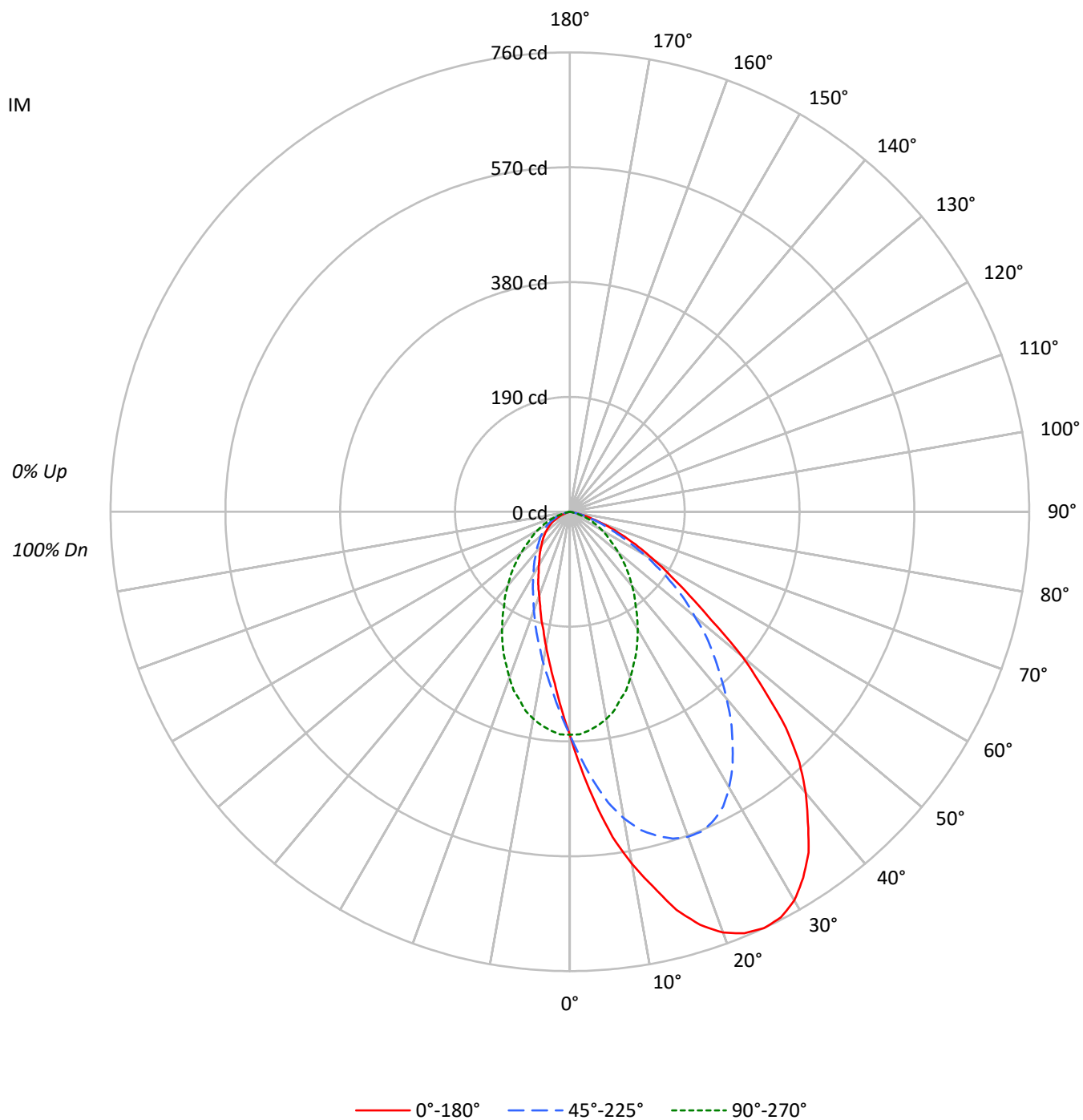
Lumens per Lamp: N/A
Luminaire Lumens: 827.0 lumens
Efficiency: N/A
Efficacy: 28.7 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	63498	63498	63498	63498	63498
5°	83588	77278	62842	52625	49306
10°	103406	90028	60823	44402	39540
15°	121564	98920	57358	37514	32557
20°	135789	104870	53553	31872	27088
25°	144420	107080	49236	27440	23468
30°	147678	104802	44625	23864	20404
35°	144796	98731	39862	21571	18291
40°	136466	90715	35971	19559	16412
45°	123266	82177	32199	17780	15247
50°	99724	72234	27972	16772	13986
55°	72573	62154	24021	15674	12521
60°	56317	49118	21562	14363	11367
65°	42544	35454	17727	12755	8517
70°	29760	25379	13143	9618	5237
75°	17367	15038	6920	4658	1131
80°	3471	5157	1686	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 123266 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	4.4
10°-20°	107.5	13.0
20°-30°	162.0	19.6
30°-40°	180.1	21.8
40°-50°	159.6	19.3
50°-60°	108.4	13.1
60°-70°	56.8	6.9
70°-80°	16.1	1.9
80°-90°	0.5	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°	305.5	36.9
0°-40°	485.6	58.7
0°-60°	753.6	91.1
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	369	369	369	369	369	
5°	484	447	364	304	285	49
15°	682	555	322	210	183	194
25°	760	564	259	144	124	349
35°	689	470	190	103	87	427
45°	506	337	132	73	63	383
55°	242	207	80	52	42	223
65°	104	87	44	31	21	106
75°	26	23	10	7	2	29
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°	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7
2.5°	424.4	422.6	420.9	420.9	419.1	417.4	413.9	413.9	410.4	407.0	403.5
5°	483.5	483.5	483.5	478.3	478.3	471.3	467.8	460.9	453.9	447.0	438.3
7.5°	542.6	542.6	537.4	535.7	530.4	523.5	518.3	507.8	495.7	485.2	471.3
10°	591.3	591.3	586.1	582.6	572.2	565.2	554.8	542.6	530.4	514.8	497.4
12.5°	634.8	636.5	629.6	622.6	612.2	601.8	587.8	572.2	556.5	539.1	516.5
15°	681.8	680.0	671.3	662.6	650.4	634.8	617.4	596.5	575.7	554.8	530.4
17.5°	716.5	714.8	706.1	695.7	680.0	660.9	641.8	617.4	593.1	567.0	537.4
20°	740.9	739.1	730.5	716.5	700.9	680.0	657.4	629.6	603.5	572.2	539.1
22.5°	754.8	753.1	742.6	730.5	711.3	688.7	664.4	634.8	605.2	572.2	535.7
25°	760.0	756.5	746.1	732.2	713.1	688.7	660.9	629.6	598.3	563.5	525.2
27.5°	756.5	753.1	740.9	725.2	704.4	676.5	648.7	617.4	584.4	549.6	509.6
30°	742.6	737.4	727.0	711.3	688.7	660.9	631.3	598.3	563.5	527.0	487.0
32.5°	718.3	714.8	704.4	687.0	664.4	636.5	607.0	572.2	537.4	500.9	460.9
35°	688.7	681.8	671.3	655.7	633.1	605.2	575.7	539.1	506.1	469.6	431.3
37.5°	647.0	645.2	633.1	620.9	598.3	568.7	540.9	506.1	473.1	438.3	400.0
40°	607.0	603.5	593.1	579.1	556.5	530.4	500.9	469.6	436.5	403.5	368.7
42.5°	561.8	556.5	549.6	535.7	514.8	488.7	460.9	429.6	400.0	368.7	337.4
45°	506.1	504.4	495.7	488.7	469.6	447.0	419.1	391.3	361.7	337.4	313.1
47.5°	434.8	433.1	431.3	426.1	415.7	400.0	379.1	353.1	330.4	306.1	273.0
50°	372.2	370.4	367.0	365.2	356.5	347.8	332.2	316.5	297.4	269.6	243.5
52.5°	295.7	297.4	302.6	304.4	302.6	295.7	288.7	283.5	257.4	240.0	215.7
55°	241.7	241.7	240.0	241.7	243.5	247.0	247.0	240.0	222.6	207.0	186.1
57.5°	198.3	198.3	198.3	198.3	198.3	200.0	200.0	198.3	189.6	173.9	154.8
60°	163.5	161.7	161.7	163.5	161.7	161.7	163.5	163.5	154.8	142.6	125.2
62.5°	132.2	132.2	132.2	130.4	130.4	132.2	132.2	130.4	123.5	111.3	99.1
65°	104.4	104.4	104.4	104.4	104.4	106.1	104.4	102.6	95.7	87.0	78.3
67.5°	80.0	80.0	81.7	80.0	81.7	81.7	81.7	78.3	73.0	66.1	60.9
70°	59.1	59.1	59.1	60.9	62.6	62.6	60.9	57.4	53.9	50.4	45.2
72.5°	40.0	41.7	41.7	41.7	43.5	43.5	41.7	40.0	38.3	34.8	33.0
75°	26.1	24.3	26.1	26.1	27.8	27.8	26.1	26.1	24.3	22.6	20.9
77.5°	12.2	12.2	13.9	13.9	13.9	13.9	13.9	13.9	13.9	12.2	12.2
80°	3.5	3.5	3.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
82.5°	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7
2.5°	400.0	394.8	387.8	368.7	351.3	335.7	327.0	325.2
5°	427.8	420.9	403.5	363.5	330.4	304.4	288.7	285.2
7.5°	457.4	443.5	419.1	356.5	309.6	276.5	259.1	253.9
10°	480.0	462.6	429.6	347.8	288.7	253.9	233.0	226.1
12.5°	495.7	474.8	438.3	337.4	271.3	229.6	208.7	201.7
15°	504.4	481.7	440.0	321.7	250.4	210.4	187.8	182.6
17.5°	507.8	481.7	436.5	309.6	231.3	191.3	170.4	163.5
20°	506.1	474.8	427.8	292.2	213.9	173.9	153.0	147.8
22.5°	499.1	464.4	413.9	274.8	196.5	156.5	139.1	135.7
25°	488.7	450.4	398.3	259.1	180.9	144.4	127.0	123.5
27.5°	471.3	433.1	377.4	241.7	167.0	132.2	116.5	111.3
30°	448.7	412.2	356.5	224.4	153.0	120.0	106.1	102.6
32.5°	424.4	387.8	335.7	207.0	140.9	111.3	97.4	93.9
35°	396.5	361.7	309.6	189.6	128.7	102.6	88.7	87.0
37.5°	368.7	333.9	287.0	175.7	118.3	93.9	81.7	80.0
40°	337.4	309.6	274.8	160.0	109.6	87.0	76.5	73.0
42.5°	318.3	280.0	236.5	146.1	100.9	80.0	69.6	67.8
45°	276.5	248.7	213.9	132.2	92.2	73.0	64.3	62.6
47.5°	248.7	224.4	191.3	118.3	85.2	67.8	59.1	57.4
50°	220.9	198.3	167.0	104.4	78.3	62.6	53.9	52.2
52.5°	193.0	170.4	142.6	92.2	69.6	57.4	48.7	47.0
55°	165.2	144.4	118.3	80.0	62.6	52.2	45.2	41.7
57.5°	135.7	118.3	100.9	71.3	55.7	47.0	40.0	36.5
60°	109.6	99.1	85.2	62.6	48.7	41.7	34.8	33.0
62.5°	88.7	80.0	71.3	53.9	43.5	36.5	31.3	26.1
65°	71.3	66.1	59.1	43.5	36.5	31.3	26.1	20.9
67.5°	55.7	52.2	47.0	36.5	29.6	26.1	19.1	15.7
70°	43.5	40.0	36.5	26.1	22.6	19.1	13.9	10.4
72.5°	31.3	27.8	26.1	19.1	15.7	13.9	8.7	5.2
75°	19.1	19.1	15.7	10.4	8.7	7.0	3.5	1.7
77.5°	10.4	10.4	8.7	5.2	5.2	1.7	0.0	0.0
80°	5.2	3.5	3.5	1.7	1.7	0.0	0.0	0.0
82.5°	1.7	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)