

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: P1318227

Luminaire Tested: P3SQAS17R709835DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709835DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

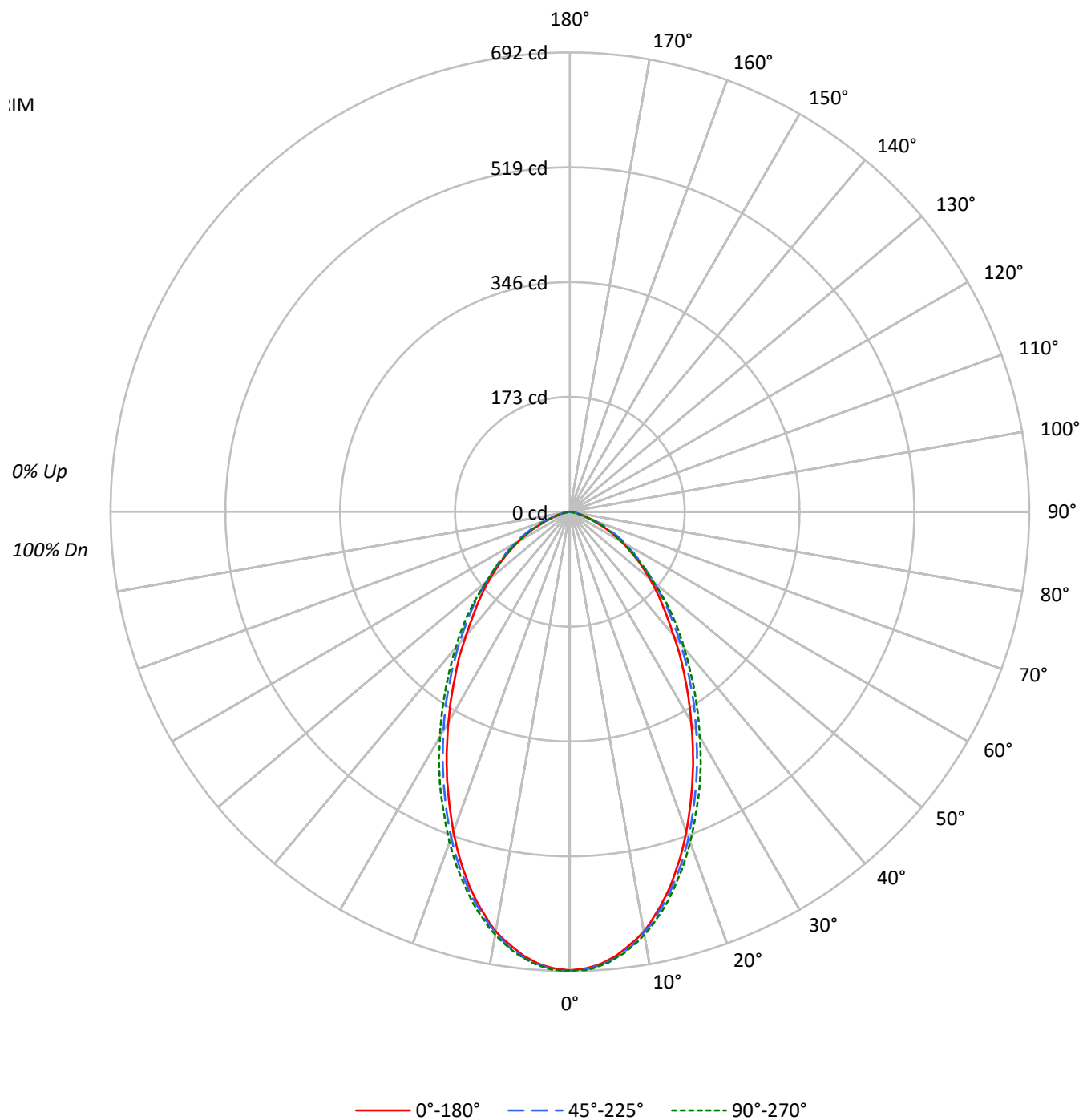
Lumens per Lamp: N/A
Luminaire Lumens: 989.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	118971	118971	118971
5°	117092	117524	117732
10°	112238	112447	113095
15°	104144	105018	105891
20°	94002	95798	97154
25°	83251	85569	87678
30°	72725	75648	77836
35°	63200	66564	68624
40°	54631	58206	60140
45°	47811	51099	52609
50°	42092	44048	44048
55°	36482	38313	37202
60°	30862	32963	31276
65°	24003	27507	25021
70°	17322	20394	17322
75°	13042	12244	9782
80°	8529	6050	2479
85°	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 52609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	6.4
10°-20°	164.4	16.6
20°-30°	206.4	20.9
30°-40°	197.1	19.9
40°-50°	160.3	16.2
50°-60°	112.2	11.3
60°-70°	63.4	6.4
70°-80°	20.1	2.0
80°-90°	1.6	0.2
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°	434.5	43.9
0°-40°	631.6	63.9
0°-60°	904.0	91.4
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	677	679	680	679	681	64
15°	584	585	589	590	594	163
25°	438	443	450	458	461	201
35°	301	306	317	323	326	189
45°	196	201	210	214	216	152
55°	122	123	128	125	124	109
65°	59	63	68	64	61	59
75°	20	20	18	16	15	21
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.8	690.8	690.8	690.8	690.8
1°	689.6	690.8	692.1	689.6	690.8
2°	688.4	689.6	689.6	688.4	690.8
3°	685.9	687.2	687.2	685.9	688.4
4°	682.3	683.5	683.5	682.3	684.7
5°	677.3	678.6	679.8	678.6	681.0
6°	672.4	673.7	674.9	673.7	674.9
7°	665.1	667.5	667.5	667.5	670.0
8°	657.7	660.2	661.4	660.2	662.6
9°	650.3	651.6	652.8	652.8	655.3
10°	641.8	643.0	643.0	644.2	646.7
11°	631.9	631.9	634.4	634.4	638.1
12°	619.7	620.9	623.4	624.6	627.0
13°	608.6	609.9	612.3	613.5	617.2
14°	596.4	598.8	601.3	602.5	606.2
15°	584.1	585.3	589.0	590.2	593.9
17.5°	549.7	551.0	557.1	559.5	563.2
20°	512.9	516.6	522.7	526.4	530.1
22.5°	474.9	478.6	485.9	492.1	494.5
25°	438.1	443.0	450.3	457.7	461.4
27.5°	401.3	406.2	414.7	422.1	427.0
30°	365.7	370.6	380.4	386.5	391.4
32.5°	332.5	337.4	348.5	354.6	358.3
35°	300.6	305.5	316.6	322.7	326.4
37.5°	272.4	277.3	287.1	293.3	295.7
40°	243.0	249.1	258.9	265.0	267.5
42.5°	218.4	223.3	233.1	238.1	241.7
45°	196.3	201.2	209.8	213.5	216.0
47.5°	176.7	179.2	186.5	187.7	190.2
50°	157.1	159.5	164.4	165.7	164.4
52.5°	138.7	141.1	144.8	143.6	143.6
55°	121.5	122.7	127.6	125.2	123.9
57.5°	104.3	106.8	111.7	108.0	106.8
60°	89.6	92.0	95.7	93.3	90.8
62.5°	74.9	76.1	82.2	77.3	74.9
65°	58.9	62.6	67.5	63.8	61.4
67.5°	44.2	50.3	55.2	50.3	47.9
70°	34.4	36.8	40.5	38.0	34.4
72.5°	25.8	27.0	28.2	25.8	23.3
75°	19.6	19.6	18.4	16.0	14.7
77.5°	13.5	13.5	11.0	7.4	7.4
80°	8.6	8.6	6.1	2.5	2.5
82.5°	3.7	3.7	2.5	1.2	1.2
85°	1.2	1.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)