

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: P1306808

Luminaire Tested: P3SQAS09R709027DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306808
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: P3SQAS09R709027DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

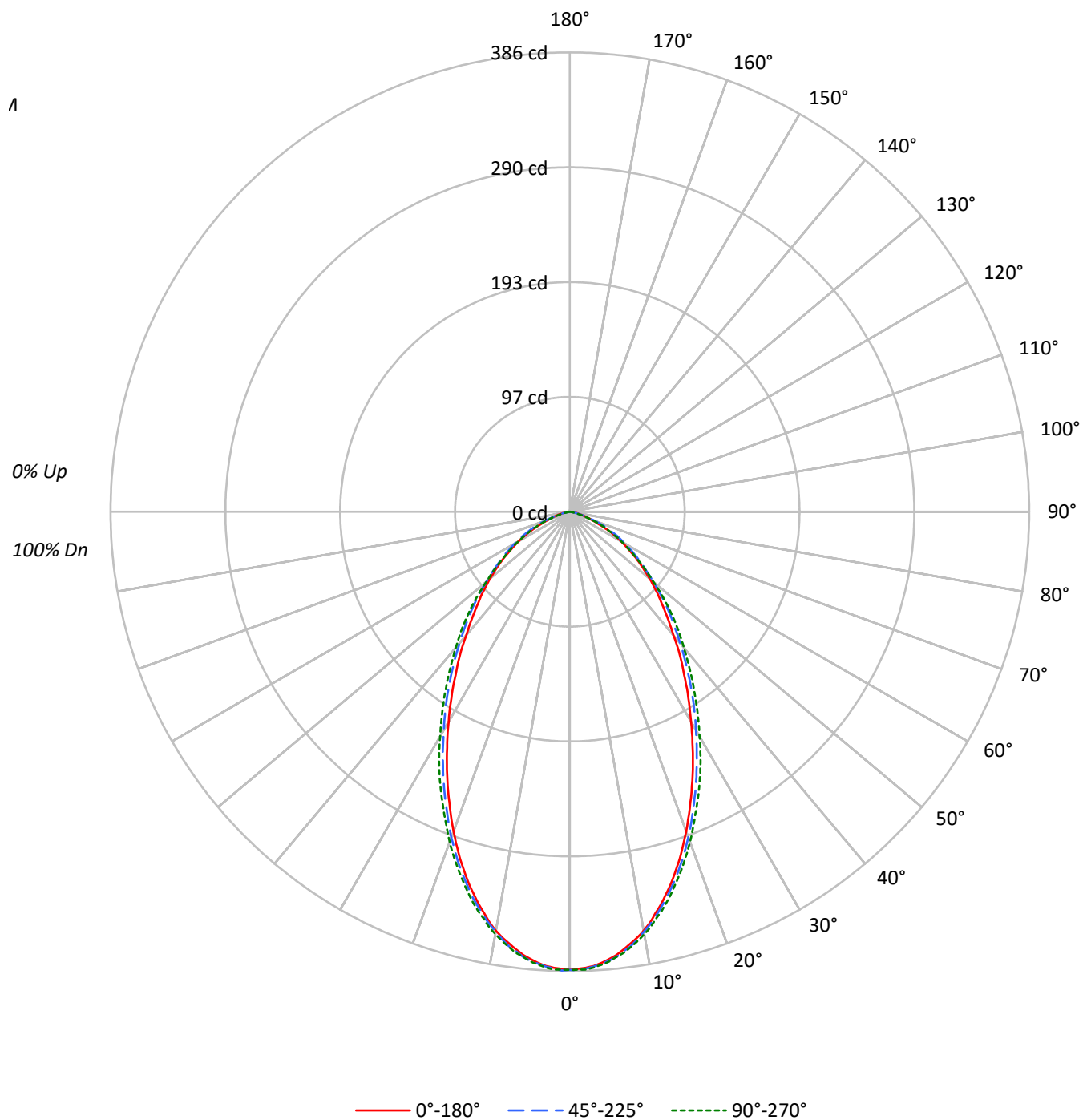
Lumens per Lamp: N/A
Luminaire Lumens: 551.0 lumens
Efficiency: N/A
Efficacy: 49.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	101	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°	66288	66288	66288
5°	65245	65470	65591
10°	62519	62642	63009
15°	58018	58500	58999
20°	52380	53370	54121
25°	46386	47678	48837
30°	40509	42140	43373
35°	35216	37087	38223
40°	30441	32419	33498
45°	26645	28472	29300
50°	23444	24542	24542
55°	20328	21349	20718
60°	17188	18359	17429
65°	13366	15323	13937
70°	9618	11380	9618
75°	7253	6854	5456
80°	4761	3372	1389
85°	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 29300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	6.4
10°-20°	91.6	16.6
20°-30°	115.0	20.9
30°-40°	109.8	19.9
40°-50°	89.3	16.2
50°-60°	62.5	11.3
60°-70°	35.3	6.4
70°-80°	11.2	2.0
80°-90°	0.9	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°	242.1	43.9
0°-40°	351.9	63.9
0°-60°	503.7	91.4
0°-90°	551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	385	385	385	385	385	
5°	377	378	379	378	379	35
15°	325	326	328	329	331	91
25°	244	247	251	255	257	112
35°	168	170	176	180	182	105
45°	109	112	117	119	120	85
55°	68	68	71	70	69	61
65°	33	35	38	36	34	33
75°	11	11	10	9	8	12
85°	1	1	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	384.9	384.9	384.9	384.9	384.9
1°	384.2	384.9	385.6	384.2	384.9
2°	383.5	384.2	384.2	383.5	384.9
3°	382.2	382.8	382.8	382.2	383.5
4°	380.1	380.8	380.8	380.1	381.5
5°	377.4	378.1	378.7	378.1	379.4
6°	374.6	375.3	376.0	375.3	376.0
7°	370.5	371.9	371.9	371.9	373.3
8°	366.4	367.8	368.5	367.8	369.2
9°	362.3	363.0	363.7	363.7	365.1
10°	357.5	358.2	358.2	358.9	360.3
11°	352.1	352.1	353.4	353.4	355.5
12°	345.2	345.9	347.3	348.0	349.3
13°	339.1	339.8	341.1	341.8	343.9
14°	332.2	333.6	335.0	335.7	337.7
15°	325.4	326.1	328.1	328.8	330.9
17.5°	306.3	307.0	310.4	311.7	313.8
20°	285.8	287.8	291.2	293.3	295.3
22.5°	264.6	266.6	270.7	274.1	275.5
25°	244.1	246.8	250.9	255.0	257.0
27.5°	223.5	226.3	231.1	235.2	237.9
30°	203.7	206.5	211.9	215.3	218.1
32.5°	185.3	188.0	194.2	197.6	199.6
35°	167.5	170.2	176.4	179.8	181.8
37.5°	151.8	154.5	160.0	163.4	164.8
40°	135.4	138.8	144.2	147.7	149.0
42.5°	121.7	124.4	129.9	132.6	134.7
45°	109.4	112.1	116.9	119.0	120.3
47.5°	98.4	99.8	103.9	104.6	106.0
50°	87.5	88.9	91.6	92.3	91.6
52.5°	77.3	78.6	80.7	80.0	80.0
55°	67.7	68.4	71.1	69.7	69.0
57.5°	58.1	59.5	62.2	60.2	59.5
60°	49.9	51.3	53.3	52.0	50.6
62.5°	41.7	42.4	45.8	43.1	41.7
65°	32.8	34.9	37.6	35.5	34.2
67.5°	24.6	28.0	30.8	28.0	26.7
70°	19.1	20.5	22.6	21.2	19.1
72.5°	14.4	15.0	15.7	14.4	13.0
75°	10.9	10.9	10.3	8.9	8.2
77.5°	7.5	7.5	6.2	4.1	4.1
80°	4.8	4.8	3.4	1.4	1.4
82.5°	2.1	2.1	1.4	0.7	0.7
85°	0.7	0.7	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)