

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: P1310489

Luminaire Tested: P3SQAS17R709040DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709040DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

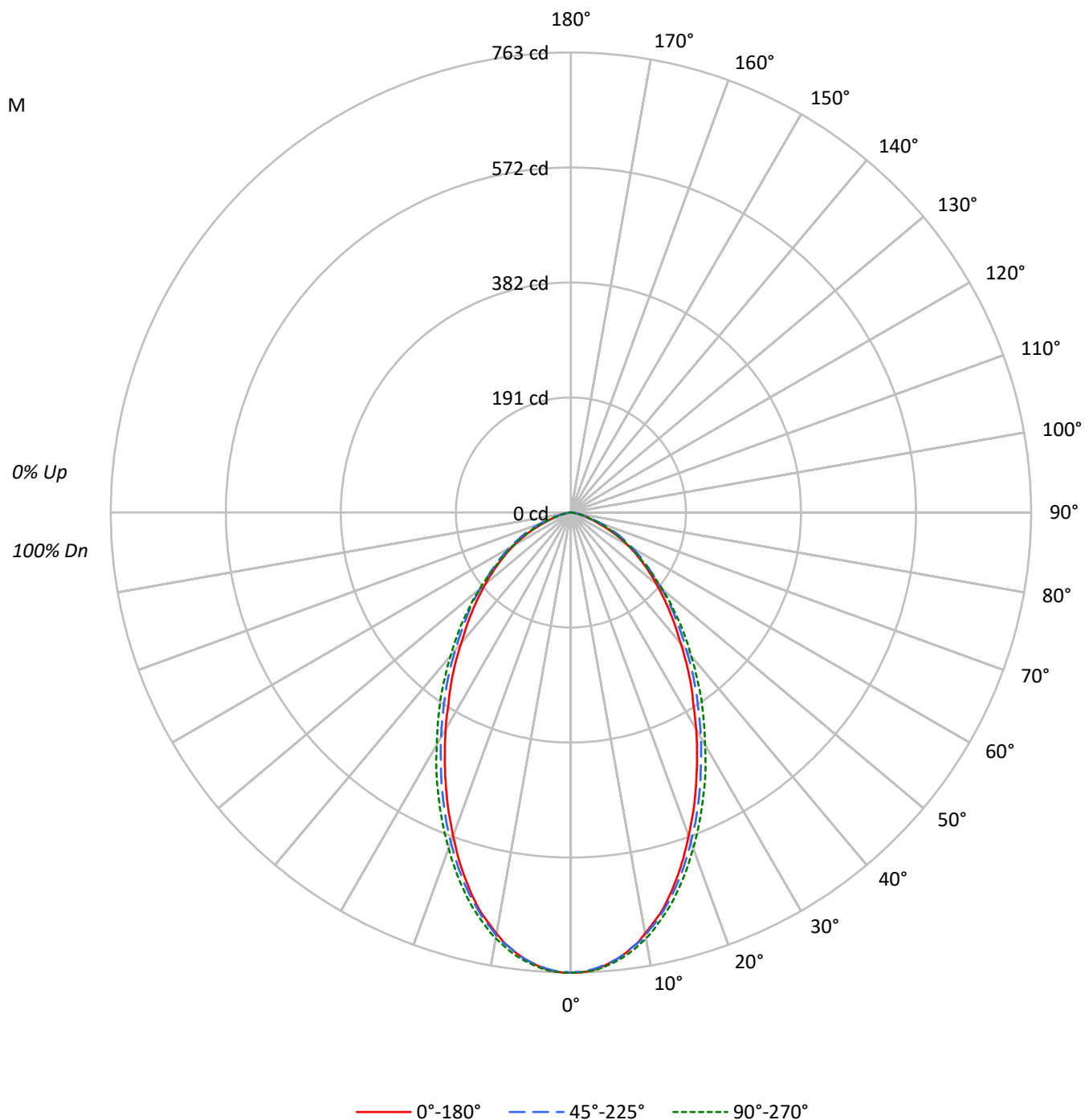
Lumens per Lamp: N/A
Luminaire Lumens: 1146.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131440	131440	131440
5°	129557	129557	130023
10°	124025	124514	125476
15°	115591	116571	118051
20°	104595	106630	108646
25°	93436	96077	98700
30°	82629	85671	88416
35°	72808	76004	79220
40°	63534	66952	69762
45°	56335	59380	61401
50°	49728	52327	53077
55°	43658	46180	44919
60°	37682	40541	38647
65°	29911	35005	31623
70°	21602	27191	23717
75°	16569	17500	14772
80°	11009	11009	8232
85°	5533	5533	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 61401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	6.1
10°-20°	182.7	15.9
20°-30°	232.1	20.3
30°-40°	225.8	19.7
40°-50°	187.7	16.4
50°-60°	135.4	11.8
60°-70°	79.7	7.0
70°-80°	28.2	2.5
80°-90°	4.1	0.4
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°	485.1	42.3
0°-40°	710.9	62.0
0°-60°	1034.0	90.2
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	749	748	749	749	752	70
15°	648	648	654	658	662	181
25°	492	497	506	515	519	226
35°	346	350	362	371	377	216
45°	231	236	244	249	252	179
55°	145	150	154	152	150	131
65°	73	79	86	82	78	73
75°	25	26	26	24	22	27
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.2	763.2	763.2	763.2	763.2
1°	763.2	761.8	761.8	761.8	763.2
2°	761.8	760.5	760.5	760.5	761.8
3°	759.1	757.7	757.7	757.7	760.5
4°	754.9	752.1	753.5	753.5	756.3
5°	749.4	748.0	749.4	749.4	752.1
6°	743.8	742.4	743.8	743.8	746.6
7°	736.9	735.5	736.9	738.3	741.1
8°	728.6	727.2	728.6	730.0	734.1
9°	720.3	718.9	721.7	723.1	725.8
10°	709.2	709.2	712.0	713.4	717.5
11°	698.1	698.1	700.9	703.7	707.8
12°	687.0	687.0	691.2	694.0	696.7
13°	676.0	674.6	678.7	681.5	685.7
14°	662.1	660.7	666.3	670.4	674.6
15°	648.3	648.3	653.8	658.0	662.1
17.5°	610.9	612.2	619.2	624.7	628.9
20°	570.7	574.8	581.8	588.7	592.8
22.5°	531.9	534.7	544.4	552.7	556.8
25°	491.7	497.3	505.6	515.3	519.4
27.5°	452.9	458.5	466.8	476.5	483.4
30°	415.5	419.7	430.8	440.5	444.6
32.5°	378.1	383.7	394.8	404.5	410.0
35°	346.3	350.4	361.5	371.2	376.8
37.5°	314.4	318.6	329.7	338.0	342.1
40°	282.6	289.5	297.8	306.1	310.3
42.5°	256.3	261.8	270.1	277.0	281.2
45°	231.3	235.5	243.8	249.3	252.1
47.5°	207.8	211.9	220.2	223.0	224.4
50°	185.6	189.8	195.3	196.7	198.1
52.5°	164.8	167.6	173.1	173.1	171.8
55°	145.4	149.6	153.8	152.4	149.6
57.5°	127.4	128.8	135.7	133.0	130.2
60°	109.4	112.2	117.7	115.0	112.2
62.5°	91.4	94.2	101.1	98.3	94.2
65°	73.4	79.0	85.9	81.7	77.6
67.5°	55.4	62.3	69.3	65.1	62.3
70°	42.9	48.5	54.0	49.9	47.1
72.5°	33.2	36.0	38.8	36.0	33.2
75°	24.9	26.3	26.3	23.5	22.2
77.5°	18.0	19.4	16.6	13.9	13.9
80°	11.1	12.5	11.1	8.3	8.3
82.5°	5.5	6.9	5.5	5.5	5.5
85°	2.8	2.8	2.8	2.8	2.8
87.5°	1.4	1.4	1.4	1.4	1.4



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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)