

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: P1312359

Luminaire Tested: P3SQAS09R709727DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312359
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: P3SQAS09R709727DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

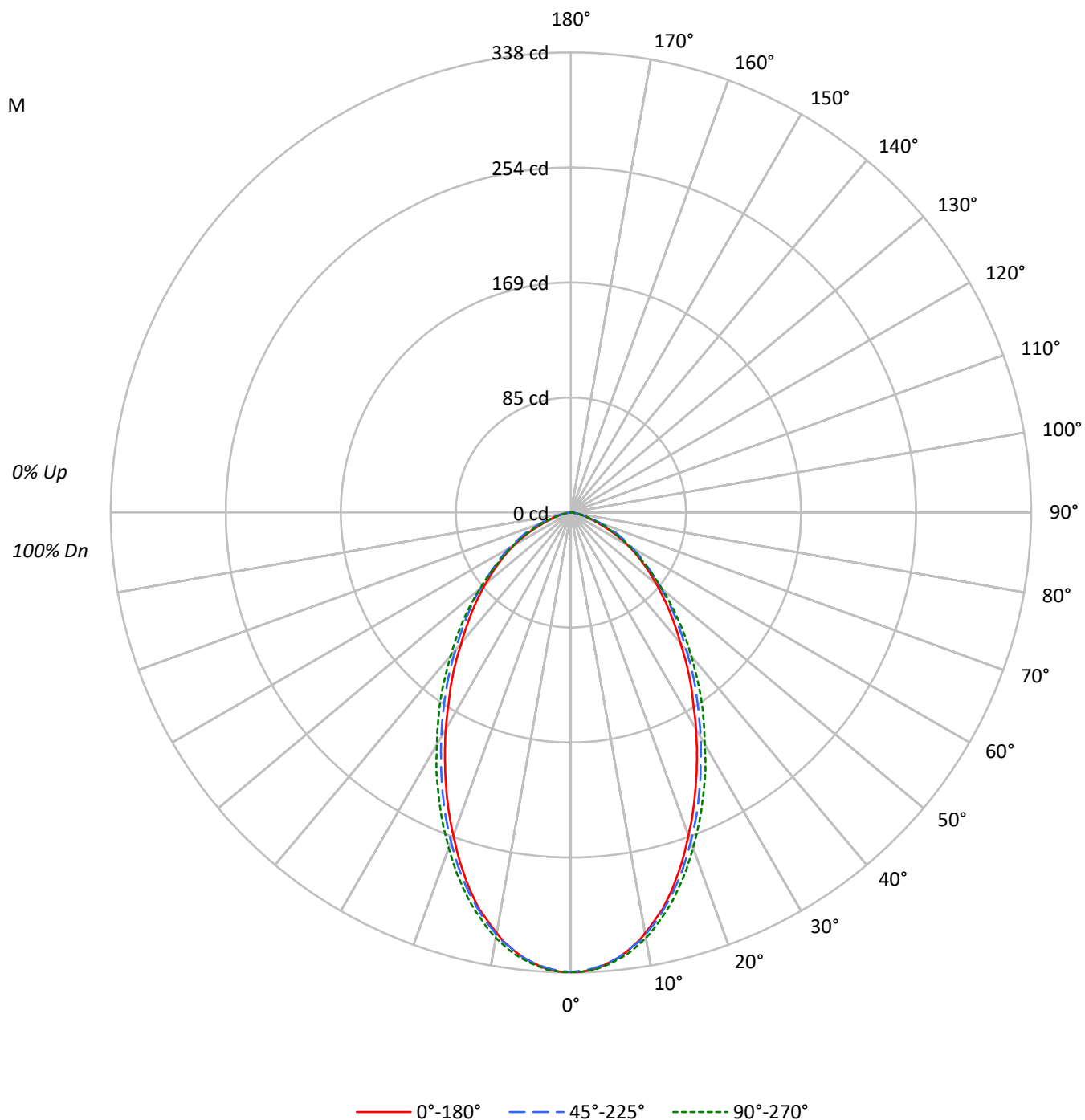
Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	58160	58160	58160
5°	57310	57310	57535
10°	54877	55087	55507
15°	51136	51564	52223
20°	46277	47175	48073
25°	41331	42509	43668
30°	36551	37904	39117
35°	32210	33618	35048
40°	28103	29631	30868
45°	24916	26280	27157
50°	21997	23149	23471
55°	19307	20418	19877
60°	16671	17946	17084
65°	13244	15486	13978
70°	9567	12035	10474
75°	7320	7719	6521
80°	4860	4860	3670
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 27157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	6.1
10°-20°	80.8	15.9
20°-30°	102.7	20.3
30°-40°	99.9	19.7
40°-50°	83.1	16.4
50°-60°	59.9	11.8
60°-70°	35.2	7.0
70°-80°	12.5	2.5
80°-90°	1.8	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°	214.6	42.3
0°-40°	314.5	62.0
0°-60°	457.4	90.2
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	332	331	332	332	333	31
15°	287	287	289	291	293	80
25°	218	220	224	228	230	100
35°	153	155	160	164	167	96
45°	102	104	108	110	112	79
55°	64	66	68	67	66	58
65°	32	35	38	36	34	32
75°	11	12	12	10	10	12
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	337.7	337.7	337.7	337.7	337.7
1°	337.7	337.0	337.0	337.0	337.7
2°	337.0	336.4	336.4	336.4	337.0
3°	335.8	335.2	335.2	335.2	336.4
4°	334.0	332.8	333.4	333.4	334.6
5°	331.5	330.9	331.5	331.5	332.8
6°	329.1	328.5	329.1	329.1	330.3
7°	326.0	325.4	326.0	326.6	327.9
8°	322.3	321.7	322.3	322.9	324.8
9°	318.7	318.0	319.3	319.9	321.1
10°	313.8	313.8	315.0	315.6	317.4
11°	308.9	308.9	310.1	311.3	313.1
12°	304.0	304.0	305.8	307.0	308.2
13°	299.0	298.4	300.3	301.5	303.3
14°	292.9	292.3	294.8	296.6	298.4
15°	286.8	286.8	289.2	291.1	292.9
17.5°	270.2	270.9	273.9	276.4	278.2
20°	252.5	254.3	257.4	260.4	262.3
22.5°	235.3	236.5	240.8	244.5	246.3
25°	217.5	220.0	223.7	228.0	229.8
27.5°	200.4	202.8	206.5	210.8	213.9
30°	183.8	185.7	190.6	194.9	196.7
32.5°	167.3	169.7	174.6	178.9	181.4
35°	153.2	155.0	159.9	164.2	166.7
37.5°	139.1	140.9	145.8	149.5	151.4
40°	125.0	128.1	131.8	135.4	137.3
42.5°	113.4	115.8	119.5	122.6	124.4
45°	102.3	104.2	107.9	110.3	111.5
47.5°	91.9	93.8	97.4	98.7	99.3
50°	82.1	84.0	86.4	87.0	87.6
52.5°	72.9	74.1	76.6	76.6	76.0
55°	64.3	66.2	68.0	67.4	66.2
57.5°	56.4	57.0	60.1	58.8	57.6
60°	48.4	49.6	52.1	50.9	49.6
62.5°	40.4	41.7	44.7	43.5	41.7
65°	32.5	34.9	38.0	36.2	34.3
67.5°	24.5	27.6	30.6	28.8	27.6
70°	19.0	21.4	23.9	22.1	20.8
72.5°	14.7	15.9	17.2	15.9	14.7
75°	11.0	11.6	11.6	10.4	9.8
77.5°	8.0	8.6	7.4	6.1	6.1
80°	4.9	5.5	4.9	3.7	3.7
82.5°	2.5	3.1	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.6	0.6	0.6	0.6	0.6



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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)