

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: P1312034

Luminaire Tested: P3SQAS02R709727DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312034
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: P3SQAS02R709727DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

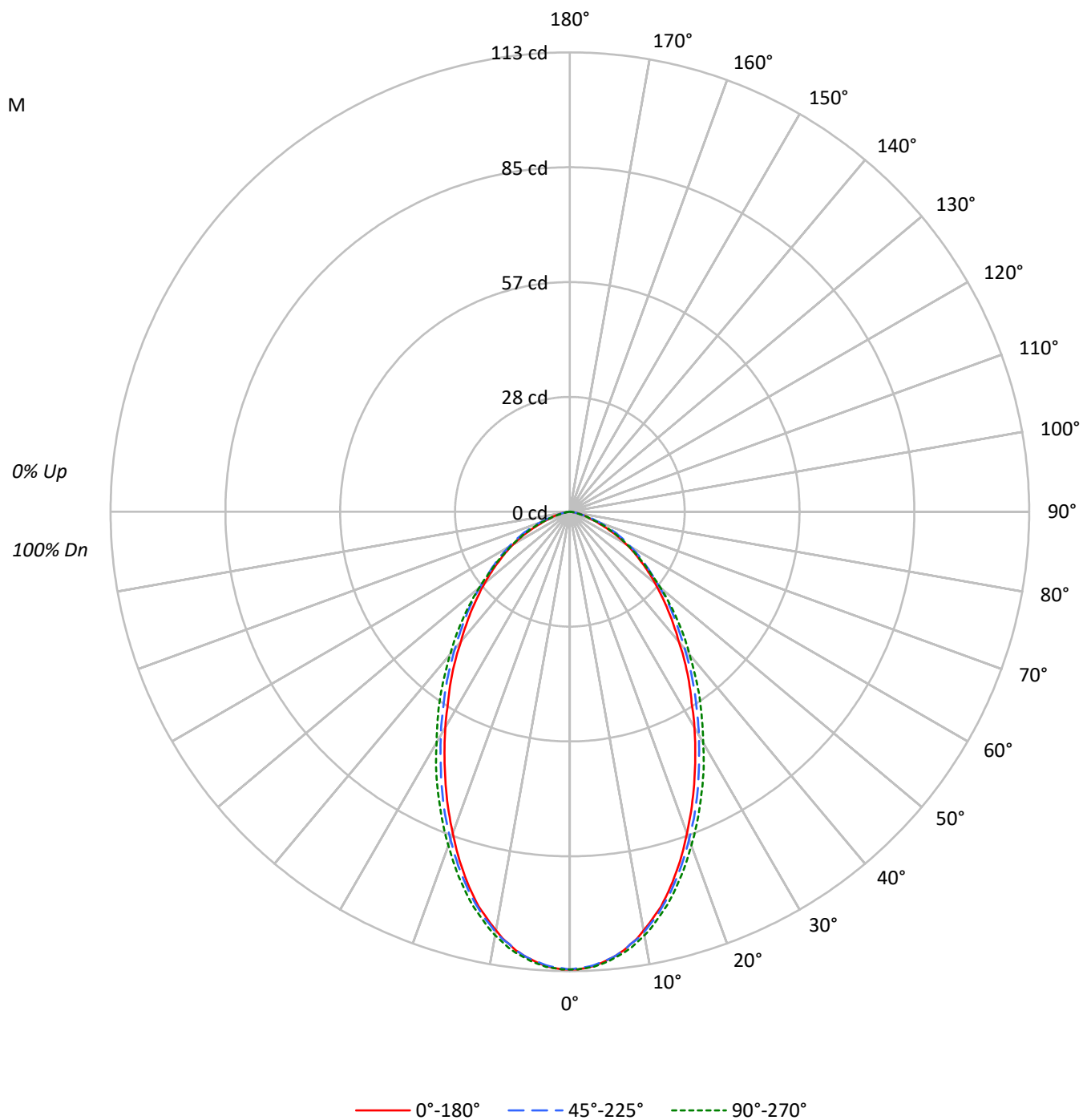
Lumens per Lamp: N/A
Luminaire Lumens: 169.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	99	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°	19392	19392	19392
5°	19103	19103	19172
10°	18292	18362	18502
15°	17045	17188	17402
20°	15432	15725	16018
25°	13777	14176	14556
30°	12190	12628	13046
35°	10744	11206	11690
40°	9375	9870	10297
45°	8305	8768	9060
50°	7341	7716	7824
55°	6426	6816	6636
60°	5546	5993	5683
65°	4401	5175	4646
70°	3172	4028	3474
75°	2462	2595	2196
80°	1587	1587	1190
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	6.1
10°-20°	26.9	15.9
20°-30°	34.2	20.3
30°-40°	33.3	19.7
40°-50°	27.7	16.4
50°-60°	20.0	11.8
60°-70°	11.7	7.0
70°-80°	4.2	2.5
80°-90°	0.6	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°	71.5	42.3
0°-40°	104.8	62.0
0°-60°	152.5	90.2
0°-90°	169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	113	113	113	113	113	
5°	110	110	110	110	111	10
15°	96	96	96	97	98	27
25°	72	73	75	76	77	33
35°	51	52	53	55	56	32
45°	34	35	36	37	37	26
55°	21	22	23	22	22	19
65°	11	12	13	12	11	11
75°	4	4	4	4	3	4
85°	0	0	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°	112.6	112.6	112.6	112.6	112.6
1°	112.6	112.3	112.3	112.3	112.6
2°	112.3	112.1	112.1	112.1	112.3
3°	111.9	111.7	111.7	111.7	112.1
4°	111.3	110.9	111.1	111.1	111.5
5°	110.5	110.3	110.5	110.5	110.9
6°	109.7	109.5	109.7	109.7	110.1
7°	108.7	108.5	108.7	108.9	109.3
8°	107.4	107.2	107.4	107.6	108.3
9°	106.2	106.0	106.4	106.6	107.0
10°	104.6	104.6	105.0	105.2	105.8
11°	103.0	103.0	103.4	103.8	104.4
12°	101.3	101.3	101.9	102.3	102.7
13°	99.7	99.5	100.1	100.5	101.1
14°	97.6	97.4	98.3	98.9	99.5
15°	95.6	95.6	96.4	97.0	97.6
17.5°	90.1	90.3	91.3	92.1	92.7
20°	84.2	84.8	85.8	86.8	87.4
22.5°	78.4	78.8	80.3	81.5	82.1
25°	72.5	73.3	74.6	76.0	76.6
27.5°	66.8	67.6	68.8	70.3	71.3
30°	61.3	61.9	63.5	65.0	65.6
32.5°	55.8	56.6	58.2	59.6	60.5
35°	51.1	51.7	53.3	54.7	55.6
37.5°	46.4	47.0	48.6	49.8	50.5
40°	41.7	42.7	43.9	45.1	45.8
42.5°	37.8	38.6	39.8	40.9	41.5
45°	34.1	34.7	36.0	36.8	37.2
47.5°	30.6	31.3	32.5	32.9	33.1
50°	27.4	28.0	28.8	29.0	29.2
52.5°	24.3	24.7	25.5	25.5	25.3
55°	21.4	22.1	22.7	22.5	22.1
57.5°	18.8	19.0	20.0	19.6	19.2
60°	16.1	16.5	17.4	17.0	16.5
62.5°	13.5	13.9	14.9	14.5	13.9
65°	10.8	11.6	12.7	12.1	11.4
67.5°	8.2	9.2	10.2	9.6	9.2
70°	6.3	7.1	8.0	7.4	6.9
72.5°	4.9	5.3	5.7	5.3	4.9
75°	3.7	3.9	3.9	3.5	3.3
77.5°	2.7	2.9	2.5	2.0	2.0
80°	1.6	1.8	1.6	1.2	1.2
82.5°	0.8	1.0	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	0.2	0.2	0.2



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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)