

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: P1312032

Luminaire Tested: P3SQAS02R709727DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312032
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: P3SQAS02R709727DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

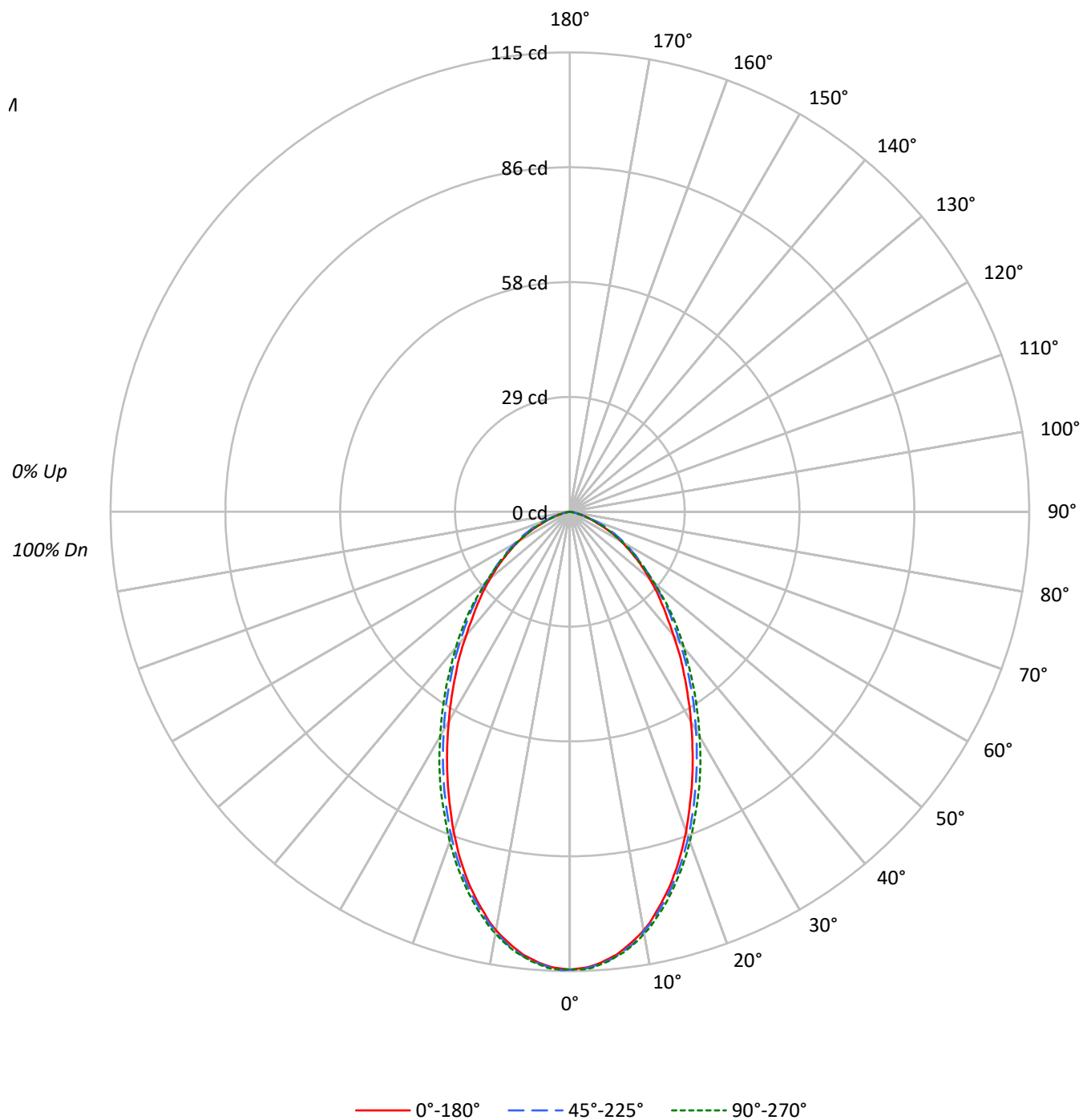
Lumens per Lamp: N/A
Luminaire Lumens: 164.0 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	19737	19737	19737
5°	19414	19484	19518
10°	18607	18642	18747
15°	17277	17420	17562
20°	15597	15890	16110
25°	13796	14195	14537
30°	12051	12548	12906
35°	10491	11038	11374
40°	9060	9645	9982
45°	7940	8476	8719
50°	6966	7315	7315
55°	6035	6366	6185
60°	5132	5477	5201
65°	3994	4564	4157
70°	2870	3374	2870
75°	2196	2063	1597
80°	1389	992	397
85°	395	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	6.4
10°-20°	27.3	16.6
20°-30°	34.2	20.9
30°-40°	32.7	19.9
40°-50°	26.6	16.2
50°-60°	18.6	11.3
60°-70°	10.5	6.4
70°-80°	3.3	2.0
80°-90°	0.3	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°	72.1	43.9
0°-40°	104.7	63.9
0°-60°	149.9	91.4
0°-90°	164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	115	115	115	115	115	
5°	112	112	113	112	113	11
15°	97	97	98	98	98	27
25°	73	74	75	76	76	33
35°	50	51	52	54	54	31
45°	33	33	35	35	36	25
55°	20	20	21	21	21	18
65°	10	10	11	11	10	10
75°	3	3	3	3	2	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	114.6	114.6	114.6	114.6	114.6
1°	114.4	114.6	114.8	114.4	114.6
2°	114.2	114.4	114.4	114.2	114.6
3°	113.7	113.9	113.9	113.7	114.2
4°	113.1	113.3	113.3	113.1	113.5
5°	112.3	112.5	112.7	112.5	112.9
6°	111.5	111.7	111.9	111.7	111.9
7°	110.3	110.7	110.7	110.7	111.1
8°	109.1	109.5	109.7	109.5	109.9
9°	107.8	108.0	108.3	108.3	108.7
10°	106.4	106.6	106.6	106.8	107.2
11°	104.8	104.8	105.2	105.2	105.8
12°	102.8	103.0	103.4	103.6	104.0
13°	100.9	101.1	101.5	101.7	102.3
14°	98.9	99.3	99.7	99.9	100.5
15°	96.9	97.1	97.7	97.9	98.5
17.5°	91.2	91.4	92.4	92.8	93.4
20°	85.1	85.7	86.7	87.3	87.9
22.5°	78.7	79.4	80.6	81.6	82.0
25°	72.6	73.5	74.7	75.9	76.5
27.5°	66.5	67.4	68.8	70.0	70.8
30°	60.6	61.5	63.1	64.1	64.9
32.5°	55.1	56.0	57.8	58.8	59.4
35°	49.9	50.7	52.5	53.5	54.1
37.5°	45.2	46.0	47.6	48.6	49.0
40°	40.3	41.3	42.9	44.0	44.4
42.5°	36.2	37.0	38.7	39.5	40.1
45°	32.6	33.4	34.8	35.4	35.8
47.5°	29.3	29.7	30.9	31.1	31.5
50°	26.0	26.5	27.3	27.5	27.3
52.5°	23.0	23.4	24.0	23.8	23.8
55°	20.1	20.3	21.2	20.8	20.6
57.5°	17.3	17.7	18.5	17.9	17.7
60°	14.9	15.3	15.9	15.5	15.1
62.5°	12.4	12.6	13.6	12.8	12.4
65°	9.8	10.4	11.2	10.6	10.2
67.5°	7.3	8.3	9.2	8.3	7.9
70°	5.7	6.1	6.7	6.3	5.7
72.5°	4.3	4.5	4.7	4.3	3.9
75°	3.3	3.3	3.1	2.6	2.4
77.5°	2.2	2.2	1.8	1.2	1.2
80°	1.4	1.4	1.0	0.4	0.4
82.5°	0.6	0.6	0.4	0.2	0.2
85°	0.2	0.2	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)