

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: P1308652

Luminaire Tested: P3SQAS02R359035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

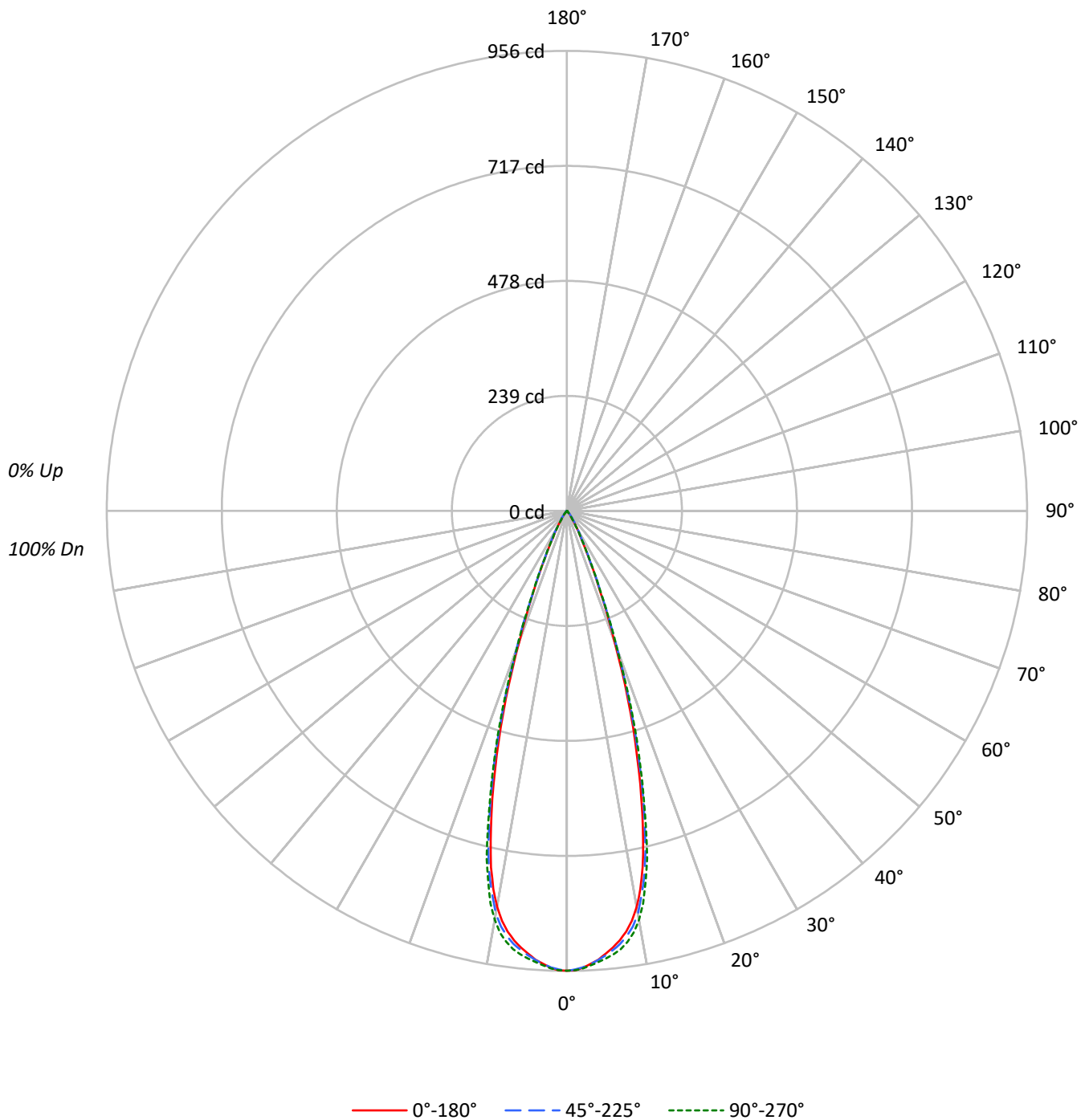
Lumens per Lamp: N/A
Luminaire Lumens: 321.1 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	87	81	77	74	80	76	74		79	76	74		79
10	86	79	74	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	164576	164576	164576
5°	159707	160278	161349
10°	146094	148630	150903
15°	104875	108708	109832
20°	52747	55826	55954
25°	19991	20618	20713
30°	8114	9307	7975
35°	2943	4478	2838
40°	1237	1911	1192
45°	317	804	317
50°	214	348	214
55°	240	240	240
60°	276	276	276
65°	204	204	204
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	26.9
10°-20°	161.0	50.1
20°-30°	57.9	18.0
30°-40°	12.2	3.8
40°-50°	2.1	0.7
50°-60°	0.7	0.2
60°-70°	0.5	0.2
70°-80°	0.3	0.1
80°-90°	0.1	0.0
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°	305.3	95.1
0°-40°	317.4	98.8
0°-60°	320.3	99.7
0°-90°	321.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	924	926	927	933	933	86
15°	588	598	610	616	616	157
25°	105	107	108	110	109	56
35°	14	16	21	16	14	11
45°	1	2	3	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
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°	955.6	955.6	955.6	955.6	955.6
1°	955.1	955.1	953.1	955.4	954.6
2°	949.9	950.4	949.1	951.9	951.6
3°	942.6	943.8	942.8	946.9	945.6
4°	934.8	935.8	935.3	940.3	939.8
5°	923.8	925.6	927.1	933.3	933.3
6°	912.5	914.3	917.5	924.3	926.6
7°	899.5	901.8	907.0	916.0	917.5
8°	883.0	885.5	892.7	902.5	904.5
9°	862.4	866.2	874.5	886.2	887.5
10°	835.4	838.4	849.9	859.7	862.9
11°	800.3	802.8	813.1	828.9	830.9
12°	757.7	760.7	774.0	784.3	786.3
13°	703.9	709.6	725.7	735.7	741.2
14°	648.5	656.3	667.8	682.1	678.6
15°	588.2	598.4	609.7	616.2	616.0
17.5°	440.1	446.1	456.1	459.9	464.9
20°	287.8	295.6	304.6	308.1	305.3
22.5°	178.6	180.6	183.4	184.9	184.4
25°	105.2	106.7	108.5	109.5	109.0
27.5°	63.4	66.9	69.4	66.4	64.6
30°	40.8	42.3	46.8	42.8	40.1
32.5°	24.3	27.8	31.6	26.8	23.3
35°	14.0	16.5	21.3	16.3	13.5
37.5°	9.0	10.3	13.8	10.0	8.8
40°	5.5	7.0	8.5	6.5	5.3
42.5°	2.8	4.3	5.0	3.8	2.8
45°	1.3	2.0	3.3	2.0	1.3
47.5°	0.8	1.0	2.0	1.0	0.8
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)