

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: P1317948

Luminaire Tested: P3SQAS13R159835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

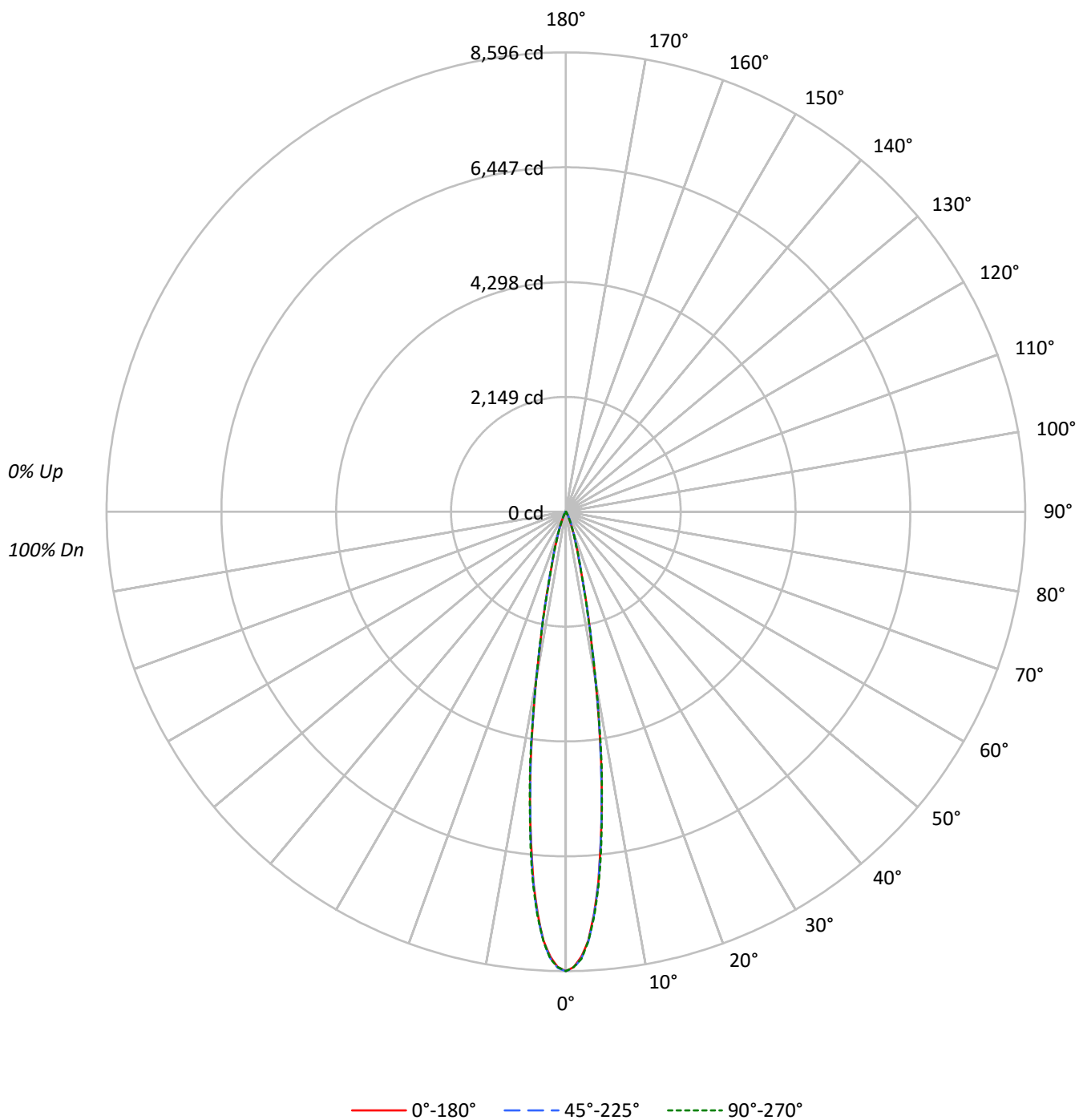
Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	86		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1480426	1480426	1480426
5°	1203802	1207985	1212186
10°	560629	561153	558110
15°	173466	179671	176301
20°	69150	73035	68325
25°	28941	34129	27497
30°	11753	15671	10858
35°	3826	7169	3511
40°	1371	2900	1371
45°	560	926	560
50°	402	616	402
55°	450	450	450
60°	517	517	517
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.1	55.8
10°-20°	321.7	33.3
20°-30°	81.9	8.5
30°-40°	17.8	1.8
40°-50°	2.9	0.3
50°-60°	1.4	0.1
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.0	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°	941.6	97.6
0°-40°	959.4	99.4
0°-60°	963.6	99.9
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8596	8596	8596	8596	8596	
5°	6963	6973	6987	6956	7012	537
15°	973	1000	1008	993	989	320
25°	152	163	180	159	145	77
35°	18	24	34	23	17	14
45°	2	3	4	3	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	8596.0	8596.0	8596.0	8596.0	8596.0
1°	8521.0	8535.4	8537.6	8535.4	8523.2
2°	8329.3	8371.7	8362.6	8344.4	8370.2
3°	8033.0	8054.2	8051.2	8052.7	8046.7
4°	7551.1	7588.3	7567.0	7583.0	7584.5
5°	6963.2	6973.0	6987.4	6955.6	7011.7
6°	6239.6	6302.5	6247.1	6301.7	6323.7
7°	5503.9	5540.2	5469.8	5507.6	5530.4
8°	4751.5	4687.8	4726.5	4727.2	4802.2
9°	3939.2	3952.1	3984.7	3947.6	3980.1
10°	3205.8	3235.3	3208.8	3195.9	3191.4
11°	2531.4	2564.8	2562.5	2566.3	2541.3
12°	2036.7	2019.2	2030.6	1993.5	2010.1
13°	1585.1	1585.8	1576.8	1561.6	1548.0
14°	1241.9	1234.3	1255.5	1236.5	1219.1
15°	972.9	1000.1	1007.7	993.3	988.8
17.5°	600.1	600.8	611.5	597.8	596.3
20°	377.3	386.4	398.5	384.1	372.8
22.5°	238.7	247.0	265.9	247.8	231.9
25°	152.3	162.9	179.6	159.1	144.7
27.5°	95.5	105.3	121.2	102.3	91.7
30°	59.1	65.9	78.8	64.4	54.6
32.5°	34.1	40.9	51.5	38.6	32.6
35°	18.2	23.5	34.1	22.7	16.7
37.5°	10.6	13.6	22.0	12.1	9.8
40°	6.1	8.3	12.9	7.6	6.1
42.5°	3.8	5.3	6.1	4.5	3.0
45°	2.3	3.0	3.8	3.0	2.3
47.5°	1.5	2.3	3.0	1.5	1.5
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	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)