

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: P1313365

Luminaire Tested: P3SQAS13R159730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313365
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: P3SQAS13R159730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

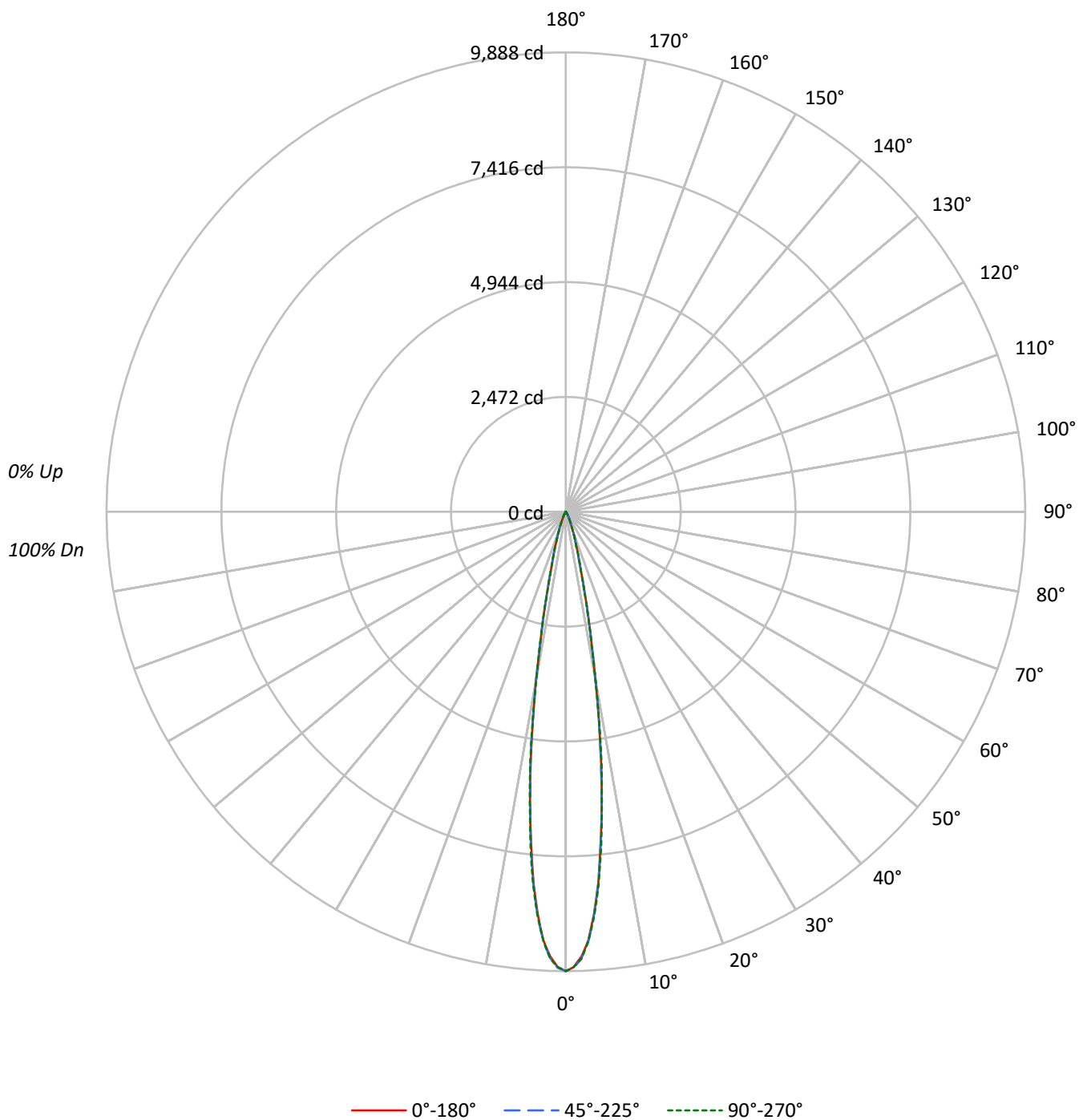
Lumens per Lamp: N/A
Luminaire Lumens: 1110.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1702869	1702869	1702869
5°	1384669	1389492	1394316
10°	644868	645480	641965
15°	199533	206665	202796
20°	79542	84013	78589
25°	33293	39260	31639
30°	13523	18017	12489
35°	4394	8242	4037
40°	1574	3327	1574
45°	633	1072	633
50°	455	697	455
55°	510	510	510
60°	586	586	586
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1072 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.9	55.8
10°-20°	370.0	33.3
20°-30°	94.2	8.5
30°-40°	20.5	1.8
40°-50°	3.3	0.3
50°-60°	1.5	0.1
60°-70°	1.0	0.1
70°-80°	0.6	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°	1083.1	97.6
0°-40°	1103.6	99.4
0°-60°	1108.4	99.9
0°-90°	1110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9888	9888	9888	9888	9888	
5°	8009	8021	8037	8001	8065	618
15°	1119	1150	1159	1143	1137	368
25°	175	187	207	183	166	89
35°	21	27	39	26	19	17
45°	3	4	4	4	3	2
55°	2	2	2	2	2	2
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°	9887.6	9887.6	9887.6	9887.6	9887.6
1°	9801.3	9817.9	9820.5	9817.9	9803.9
2°	9580.8	9629.6	9619.2	9598.3	9627.9
3°	9240.1	9264.5	9261.0	9262.7	9255.7
4°	8685.8	8728.5	8704.1	8722.4	8724.1
5°	8009.4	8020.8	8037.3	8000.7	8065.2
6°	7177.1	7249.5	7185.8	7248.6	7273.9
7°	6330.9	6372.7	6291.6	6335.2	6361.4
8°	5465.4	5392.2	5436.7	5437.5	5523.8
9°	4531.1	4545.9	4583.4	4540.7	4578.2
10°	3687.5	3721.5	3691.0	3676.1	3670.9
11°	2911.8	2950.2	2947.5	2951.9	2923.1
12°	2342.7	2322.7	2335.7	2293.0	2312.2
13°	1823.3	1824.1	1813.7	1796.2	1780.6
14°	1428.5	1419.7	1444.1	1422.4	1402.3
15°	1119.1	1150.4	1159.1	1142.6	1137.4
17.5°	690.3	691.1	703.3	687.6	685.9
20°	434.0	444.5	458.4	441.9	428.8
22.5°	274.5	284.1	305.9	285.0	266.7
25°	175.2	187.4	206.6	183.0	166.5
27.5°	109.8	121.1	139.4	117.7	105.5
30°	68.0	75.8	90.6	74.1	62.8
32.5°	39.2	47.1	59.3	44.4	37.5
35°	20.9	27.0	39.2	26.1	19.2
37.5°	12.2	15.7	25.3	13.9	11.3
40°	7.0	9.6	14.8	8.7	7.0
42.5°	4.4	6.1	7.0	5.2	3.5
45°	2.6	3.5	4.4	3.5	2.6
47.5°	1.7	2.6	3.5	1.7	1.7
50°	1.7	1.7	2.6	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
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)