

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: P1309080

Luminaire Tested: P3SQAS13R159035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309080
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: P3SQAS13R159035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

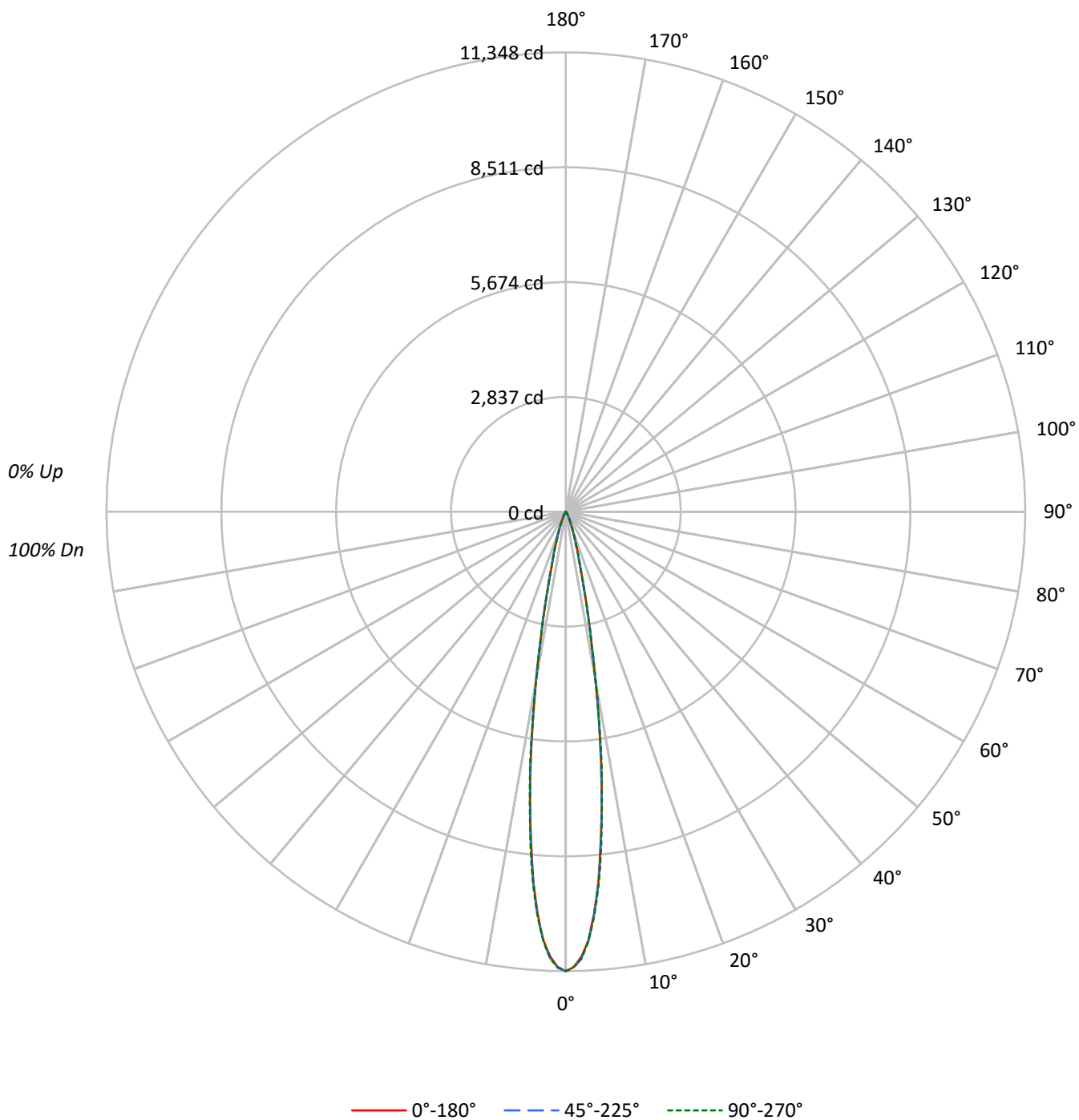
Lumens per Lamp: N/A
Luminaire Lumens: 1274.0 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1954469	1954469	1954469
5°	1589256	1594788	1600320
10°	740142	740842	736820
15°	229006	237208	232750
20°	91308	96440	90208
25°	38214	45055	36314
30°	15512	20682	14318
35°	5046	9461	4625
40°	1799	3822	1799
45°	731	1218	731
50°	536	804	536
55°	601	601	601
60°	689	689	689
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.3	55.8
10°-20°	424.7	33.3
20°-30°	108.1	8.5
30°-40°	23.5	1.8
40°-50°	3.8	0.3
50°-60°	1.8	0.1
60°-70°	1.1	0.1
70°-80°	0.7	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°	1243.1	97.6
0°-40°	1266.6	99.4
0°-60°	1272.2	99.9
0°-90°	1274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11348	11348	11348	11348	11348	
5°	9193	9206	9225	9183	9257	709
15°	1284	1320	1330	1311	1305	423
25°	201	215	237	210	191	102
35°	24	31	45	30	22	19
45°	3	4	5	4	3	3
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°	11348.5	11348.5	11348.5	11348.5	11348.5
1°	11249.4	11268.5	11271.5	11268.5	11252.4
2°	10996.4	11052.4	11040.4	11016.4	11050.4
3°	10605.2	10633.3	10629.3	10631.3	10623.3
4°	9969.1	10018.1	9990.1	10011.1	10013.1
5°	9192.8	9205.8	9224.8	9182.8	9256.8
6°	8237.5	8320.5	8247.5	8319.5	8348.6
7°	7266.2	7314.2	7221.2	7271.2	7301.2
8°	6272.9	6188.9	6239.9	6240.9	6339.9
9°	5200.6	5217.6	5260.6	5211.6	5254.6
10°	4232.3	4271.3	4236.3	4219.3	4213.3
11°	3342.0	3386.0	3383.0	3388.0	3355.0
12°	2688.8	2665.8	2680.8	2631.8	2653.8
13°	2092.6	2093.6	2081.6	2061.6	2043.6
14°	1639.5	1629.5	1657.5	1632.5	1609.5
15°	1284.4	1320.4	1330.4	1311.4	1305.4
17.5°	792.2	793.2	807.2	789.2	787.2
20°	498.2	510.2	526.2	507.2	492.2
22.5°	315.1	326.1	351.1	327.1	306.1
25°	201.1	215.1	237.1	210.1	191.1
27.5°	126.0	139.0	160.0	135.0	121.0
30°	78.0	87.0	104.0	85.0	72.0
32.5°	45.0	54.0	68.0	51.0	43.0
35°	24.0	31.0	45.0	30.0	22.0
37.5°	14.0	18.0	29.0	16.0	13.0
40°	8.0	11.0	17.0	10.0	8.0
42.5°	5.0	7.0	8.0	6.0	4.0
45°	3.0	4.0	5.0	4.0	3.0
47.5°	2.0	3.0	4.0	2.0	2.0
50°	2.0	2.0	3.0	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
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)