

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: P1310078

Luminaire Tested: P3SQAS09R309040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

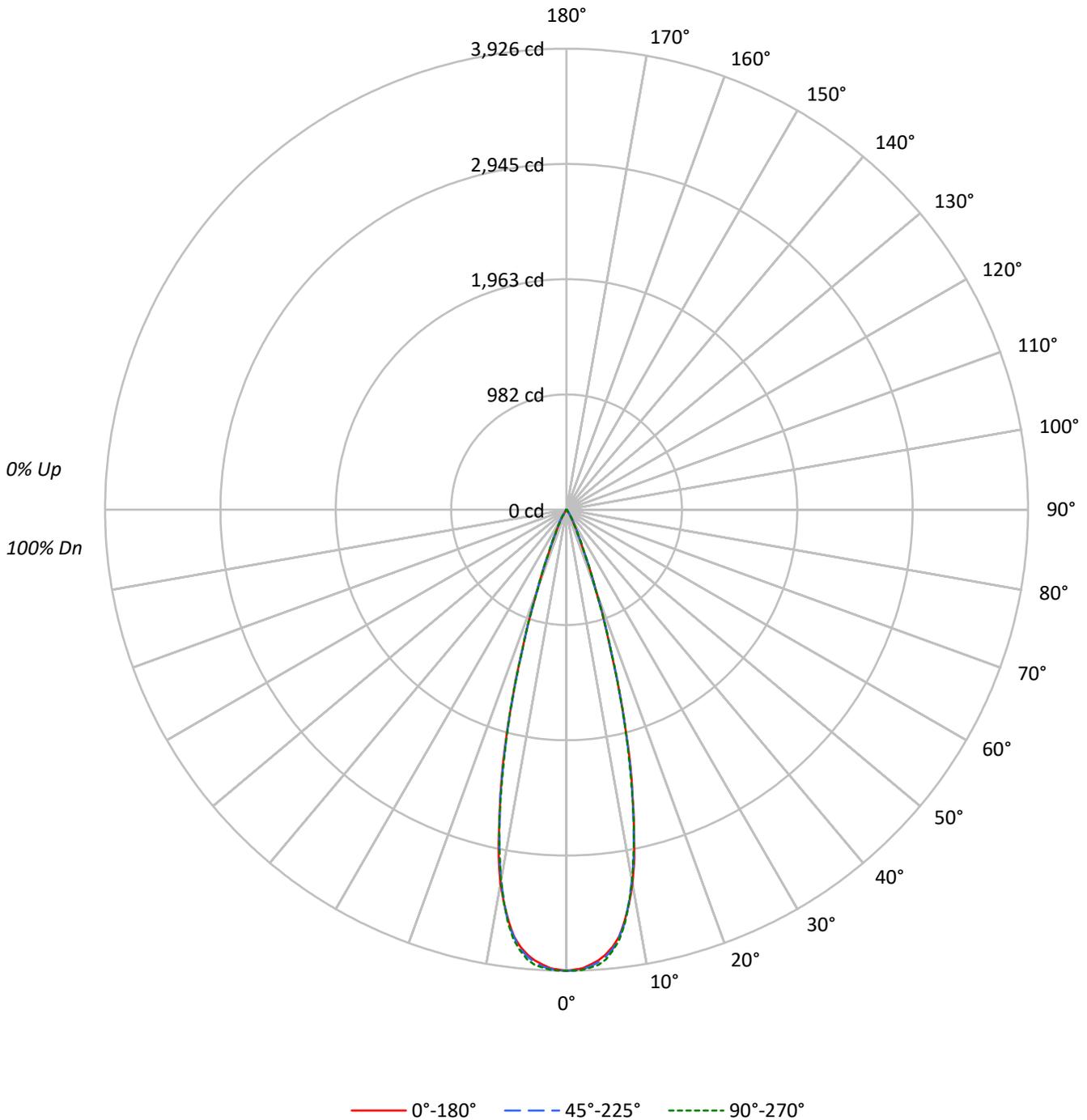
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1021.1 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	676094	676094	676094
5°	657568	660438	664518
10°	565455	560629	561188
15°	347449	344632	344917
20°	132233	132527	130071
25°	42053	44295	42205
30°	16923	20980	17381
35°	5466	9272	5466
40°	2473	4069	2473
45°	950	1729	950
50°	429	857	429
55°	480	480	480
60°	551	551	551
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: 1729 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.3	33.9
10°-20°	513.7	50.3
20°-30°	127.6	12.5
30°-40°	25.5	2.5
40°-50°	4.6	0.5
50°-60°	1.5	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°	987.6	96.7
0°-40°	1013.1	99.2
0°-60°	1019.2	99.8
0°-90°	1021.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3926	3926	3926	3926	3926	
5°	3804	3816	3820	3826	3844	346
15°	1949	1953	1933	1939	1934	516
25°	221	226	233	230	222	124
35°	26	34	44	33	26	21
45°	4	5	7	6	4	3
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3925.7	3925.7	3925.7	3925.7	3925.7
1°	3917.1	3921.8	3924.9	3924.9	3924.9
2°	3906.0	3909.2	3913.9	3914.7	3921.0
3°	3880.0	3887.1	3895.0	3899.7	3902.9
4°	3848.5	3858.0	3862.7	3874.5	3884.8
5°	3803.6	3816.2	3820.2	3825.7	3843.8
6°	3743.0	3752.4	3760.3	3762.7	3773.7
7°	3662.7	3667.4	3665.8	3669.7	3689.4
8°	3540.6	3542.1	3555.5	3546.9	3560.3
9°	3395.6	3389.3	3386.2	3392.5	3393.3
10°	3233.4	3212.1	3205.8	3200.3	3209.0
11°	3023.1	2995.5	2997.9	2996.3	2983.7
12°	2761.6	2758.4	2737.9	2741.9	2760.8
13°	2494.5	2500.1	2496.1	2500.8	2479.6
14°	2244.1	2217.3	2224.4	2197.6	2207.8
15°	1948.7	1952.6	1932.9	1939.2	1934.5
17.5°	1247.7	1256.3	1250.0	1244.5	1253.2
20°	721.5	720.7	723.1	716.0	709.7
22.5°	379.7	385.2	392.3	393.0	397.8
25°	221.3	226.1	233.1	230.0	222.1
27.5°	135.5	144.1	155.2	147.3	137.8
30°	85.1	92.2	105.5	92.9	87.4
32.5°	48.0	58.3	69.3	58.3	48.0
35°	26.0	33.9	44.1	33.1	26.0
37.5°	17.3	19.7	29.1	19.7	17.3
40°	11.0	13.4	18.1	13.4	11.0
42.5°	6.3	8.7	10.2	8.7	6.3
45°	3.9	4.7	7.1	5.5	3.9
47.5°	1.6	2.4	4.7	2.4	2.4
50°	1.6	1.6	3.2	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
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°	0.8	0.8	0.8	0.8	0.8
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)