

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: P1313602

Luminaire Tested: P3SQAS17R459730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

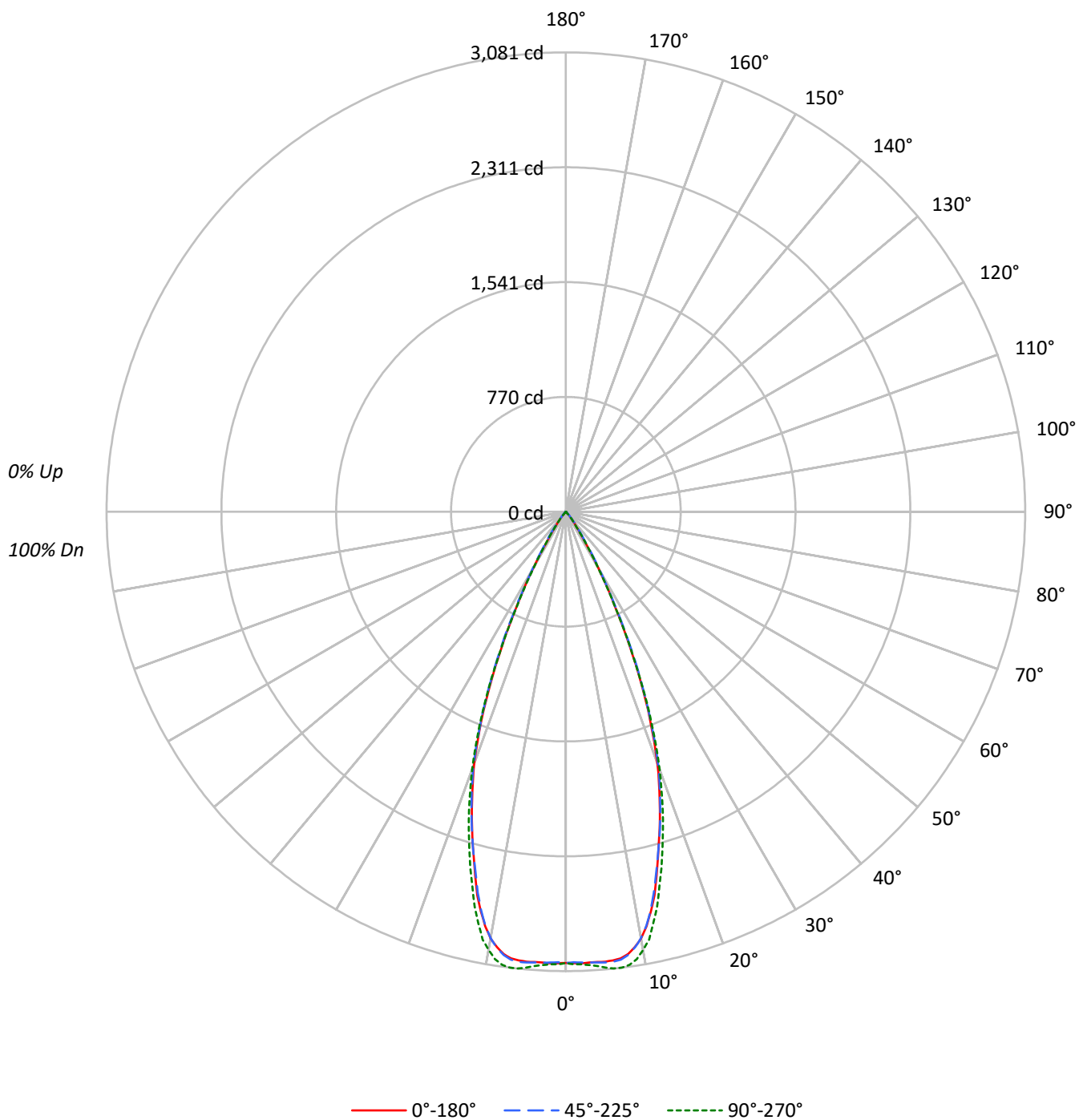
Lumens per Lamp: N/A
Luminaire Lumens: 1566.1 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0
RW	70	50	30	10	70	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	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	521094	521094	521094
5°	523690	524692	530674
10°	508147	507745	521875
15°	425865	425651	441305
20°	329218	332590	337245
25°	201827	205989	202264
30°	86546	90444	83802
35°	27185	32756	26449
40°	9353	11938	9083
45°	1681	5066	1413
50°	938	1849	938
55°	1051	1051	1051
60°	792	792	792
65°	937	937	937
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5066 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	18.4
10°-20°	664.5	42.4
20°-30°	486.5	31.1
30°-40°	107.5	6.9
40°-50°	13.2	0.8
50°-60°	3.1	0.2
60°-70°	2.2	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1438.6	91.9
0°-40°	1546.1	98.7
0°-60°	1562.4	99.8
0°-90°	1566.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3026	3026	3026	3026	3026	
5°	3029	3027	3035	3057	3070	286
15°	2388	2376	2387	2445	2475	659
25°	1062	1061	1084	1076	1064	481
35°	129	136	156	136	126	102
45°	7	12	21	12	6	9
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
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°	3025.7	3025.7	3025.7	3025.7	3025.7
1°	3028.0	3023.4	3022.3	3030.3	3036.1
2°	3030.3	3024.6	3025.7	3033.8	3037.3
3°	3028.0	3022.3	3028.0	3039.6	3044.2
4°	3026.9	3024.6	3030.3	3046.5	3054.6
5°	3029.2	3026.9	3035.0	3056.9	3069.6
6°	3025.7	3022.3	3033.8	3061.5	3080.0
7°	3017.6	3014.2	3026.9	3060.4	3081.1
8°	2995.7	2988.8	3001.5	3043.0	3068.4
9°	2956.5	2947.2	2959.9	3008.4	3038.4
10°	2905.7	2895.3	2903.4	2950.7	2984.2
11°	2832.9	2819.1	2828.3	2879.1	2923.0
12°	2740.6	2721.0	2732.5	2790.2	2821.4
13°	2640.2	2621.7	2624.0	2675.9	2719.8
14°	2515.5	2491.2	2501.6	2555.9	2590.5
15°	2388.5	2375.8	2387.3	2445.1	2475.1
17.5°	2097.6	2096.4	2106.8	2149.5	2165.7
20°	1796.3	1799.7	1814.7	1837.8	1840.1
22.5°	1439.6	1440.7	1456.9	1473.0	1469.6
25°	1062.1	1060.9	1084.0	1075.9	1064.4
27.5°	704.2	708.8	729.6	714.6	703.0
30°	435.2	444.5	454.8	436.4	421.4
32.5°	235.5	250.5	265.5	249.4	234.3
35°	129.3	136.2	155.8	136.2	125.8
37.5°	75.0	78.5	91.2	78.5	71.6
40°	41.6	47.3	53.1	47.3	40.4
42.5°	17.3	26.6	32.3	26.6	17.3
45°	6.9	11.5	20.8	11.5	5.8
47.5°	3.5	4.6	12.7	4.6	3.5
50°	3.5	3.5	6.9	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	2.3	2.3	2.3	3.5	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	1.2	1.2	1.2	2.3	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
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)