

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: P1311366

Luminaire Tested: P3SQAS13R459050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311366
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: P3SQAS13R459050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

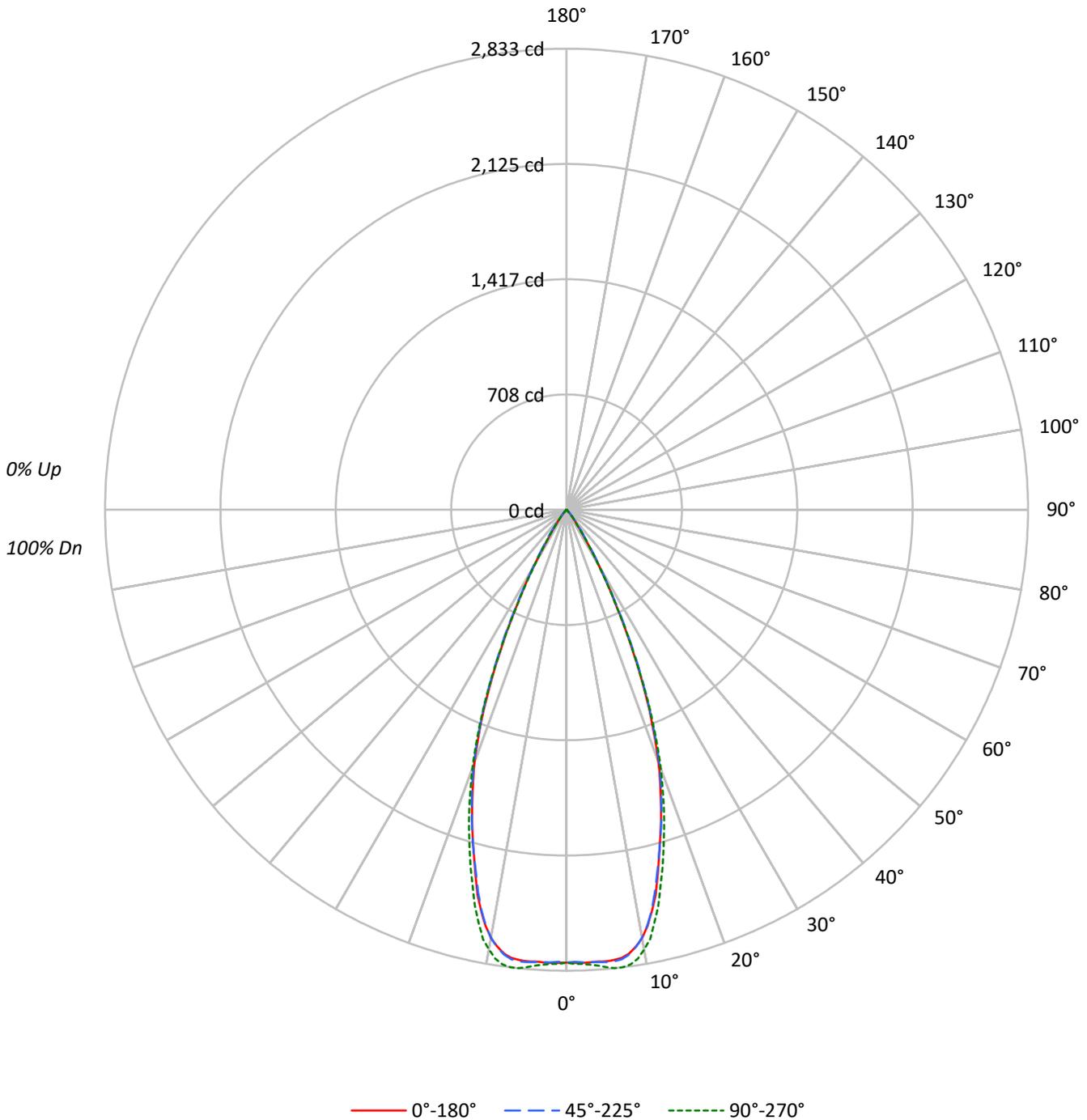
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1440.0 lumens
Efficiency: N/A
Efficacy: 98.6 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): 14.6
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	479175	479175	479175
5°	481559	482475	487973
10°	467260	466893	479887
15°	391596	391400	405788
20°	302716	305832	310120
25°	185580	189419	185979
30°	79586	83166	77060
35°	24998	30128	24325
40°	8588	10971	8363
45°	1559	4652	1291
50°	857	1715	857
55°	961	961	961
60°	723	723	723
65°	856	856	856
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.4	18.4
10°-20°	611.0	42.4
20°-30°	447.4	31.1
30°-40°	98.8	6.9
40°-50°	12.1	0.8
50°-60°	2.9	0.2
60°-70°	2.0	0.1
70°-80°	1.2	0.1
80°-90°	0.1	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°	1322.8	91.9
0°-40°	1421.7	98.7
0°-60°	1436.7	99.8
0°-90°	1440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1440.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2782	2782	2782	2782	2782	
5°	2786	2783	2791	2811	2823	263
15°	2196	2185	2195	2248	2276	606
25°	977	976	997	989	979	442
35°	119	125	143	125	116	94
45°	6	11	19	11	5	9
55°	3	3	3	3	3	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2782.3	2782.3	2782.3	2782.3	2782.3
1°	2784.4	2780.2	2779.1	2786.5	2791.8
2°	2786.5	2781.2	2782.3	2789.7	2792.9
3°	2784.4	2779.1	2784.4	2795.0	2799.3
4°	2783.3	2781.2	2786.5	2801.4	2808.8
5°	2785.5	2783.3	2790.8	2810.9	2822.6
6°	2782.3	2779.1	2789.7	2815.2	2832.2
7°	2774.8	2771.7	2783.3	2814.1	2833.2
8°	2754.7	2748.3	2760.0	2798.2	2821.6
9°	2718.6	2710.1	2721.8	2766.4	2794.0
10°	2671.9	2662.3	2669.8	2713.3	2744.1
11°	2605.0	2592.3	2600.8	2647.5	2687.8
12°	2520.1	2502.0	2512.6	2565.7	2594.4
13°	2427.7	2410.7	2412.9	2460.6	2501.0
14°	2313.1	2290.8	2300.3	2350.2	2382.1
15°	2196.3	2184.6	2195.2	2248.3	2275.9
17.5°	1928.8	1927.7	1937.3	1976.6	1991.4
20°	1651.7	1654.9	1668.7	1690.0	1692.1
22.5°	1323.7	1324.8	1339.7	1354.5	1351.3
25°	976.6	975.5	996.8	989.3	978.7
27.5°	647.5	651.8	670.9	657.1	646.5
30°	400.2	408.7	418.2	401.3	387.5
32.5°	216.6	230.4	244.2	229.3	215.5
35°	118.9	125.3	143.3	125.3	115.7
37.5°	69.0	72.2	83.9	72.2	65.8
40°	38.2	43.5	48.8	43.5	37.2
42.5°	15.9	24.4	29.7	24.4	15.9
45°	6.4	10.6	19.1	10.6	5.3
47.5°	3.2	4.2	11.7	4.2	3.2
50°	3.2	3.2	6.4	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.1	2.1	2.1	3.2	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	1.1	1.1	1.1	2.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
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)