

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: P1308977

Luminaire Tested: P3SQAS09R359035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

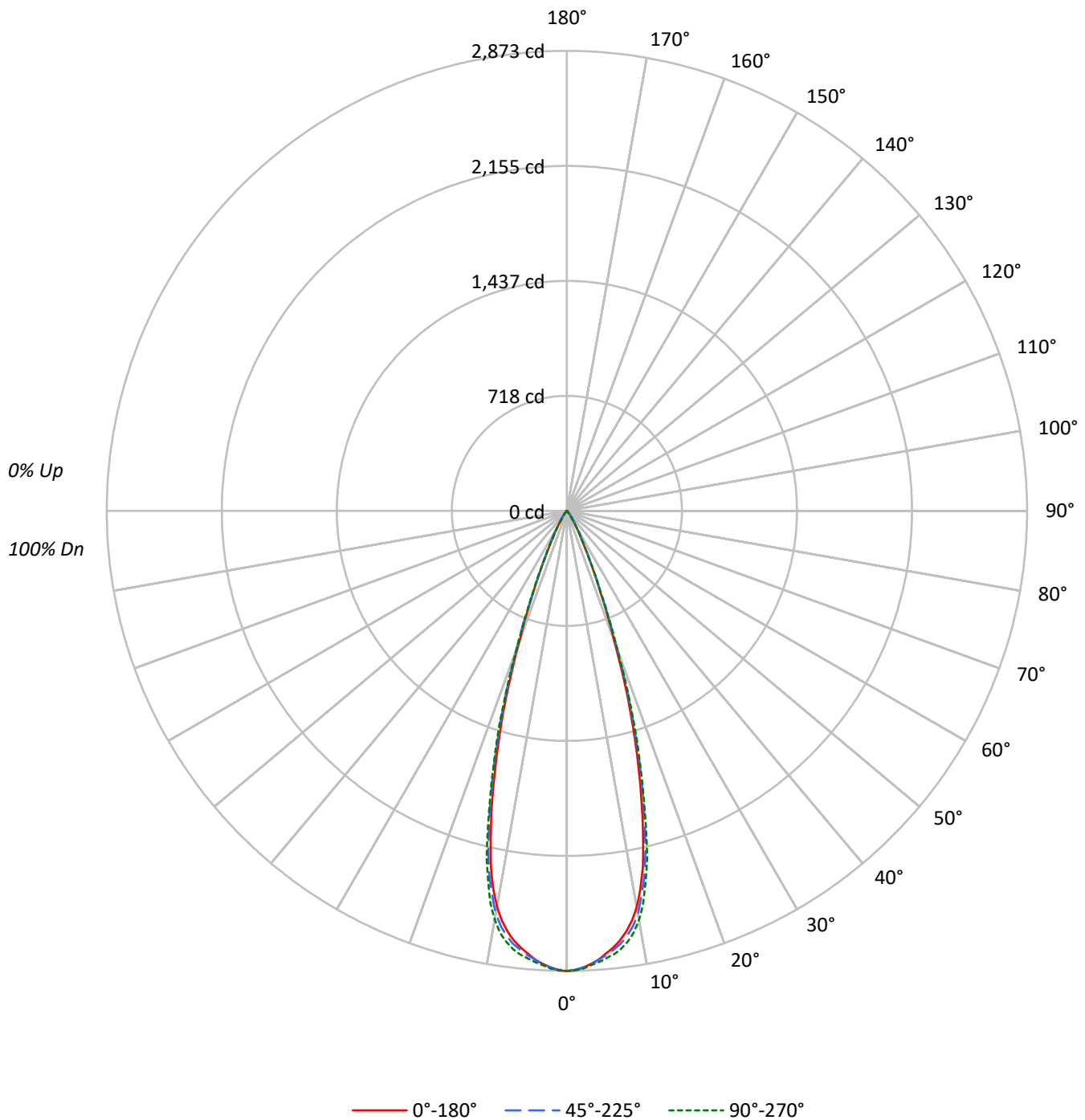
Lumens per Lamp: N/A
Luminaire Lumens: 965.1 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	494761	494761	494761
5°	480124	481818	485068
10°	439192	446817	453672
15°	315249	326802	330154
20°	158570	167825	168229
25°	60105	61968	62253
30°	24401	28000	23963
35°	8872	13456	8557
40°	3732	5755	3552
45°	926	2387	926
50°	616	1018	616
55°	691	691	691
60°	792	792	792
65°	611	611	611
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	26.9
10°-20°	483.9	50.1
20°-30°	174.0	18.0
30°-40°	36.6	3.8
40°-50°	6.3	0.7
50°-60°	2.1	0.2
60°-70°	1.5	0.2
70°-80°	0.8	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°	917.7	95.1
0°-40°	954.2	98.9
0°-60°	962.6	99.7
0°-90°	965.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2873	2873	2873	2873	2873	
5°	2777	2782	2787	2806	2806	257
15°	1768	1799	1833	1852	1852	471
25°	316	321	326	329	328	168
35°	42	50	64	49	41	32
45°	4	6	10	6	4	4
55°	2	2	2	2	2	2
65°	2	2	2	2	2	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°	2872.8	2872.8	2872.8	2872.8	2872.8
1°	2871.3	2871.3	2865.3	2872.1	2869.8
2°	2855.5	2857.0	2853.2	2861.5	2860.8
3°	2833.7	2837.4	2834.4	2846.5	2842.7
4°	2810.3	2813.3	2811.8	2826.9	2825.4
5°	2777.2	2782.5	2787.0	2805.8	2805.8
6°	2743.3	2748.6	2758.4	2778.7	2785.5
7°	2704.1	2710.9	2726.7	2753.8	2758.4
8°	2654.4	2662.0	2683.8	2713.2	2719.2
9°	2592.7	2604.0	2628.8	2664.2	2668.0
10°	2511.4	2520.4	2555.0	2584.4	2594.2
11°	2405.9	2413.5	2444.3	2491.8	2497.8
12°	2277.9	2287.0	2326.9	2357.7	2363.8
13°	2116.0	2133.3	2181.5	2211.7	2228.2
14°	1949.6	1972.9	2007.6	2050.5	2040.0
15°	1768.1	1799.0	1832.9	1852.5	1851.7
17.5°	1323.1	1341.2	1371.3	1382.6	1397.6
20°	865.2	888.6	915.7	926.2	917.9
22.5°	536.9	542.9	551.2	555.7	554.2
25°	316.3	320.8	326.1	329.1	327.6
27.5°	190.5	201.1	208.6	199.6	194.3
30°	122.7	127.3	140.8	128.8	120.5
32.5°	73.0	83.6	94.9	80.6	70.0
35°	42.2	49.7	64.0	48.9	40.7
37.5°	27.1	30.9	41.4	30.1	26.4
40°	16.6	21.1	25.6	19.6	15.8
42.5°	8.3	12.8	15.1	11.3	8.3
45°	3.8	6.0	9.8	6.0	3.8
47.5°	2.3	3.0	6.0	3.0	2.3
50°	2.3	2.3	3.8	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
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°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	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)