

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: P1312254

Luminaire Tested: P3SQAS09R259727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

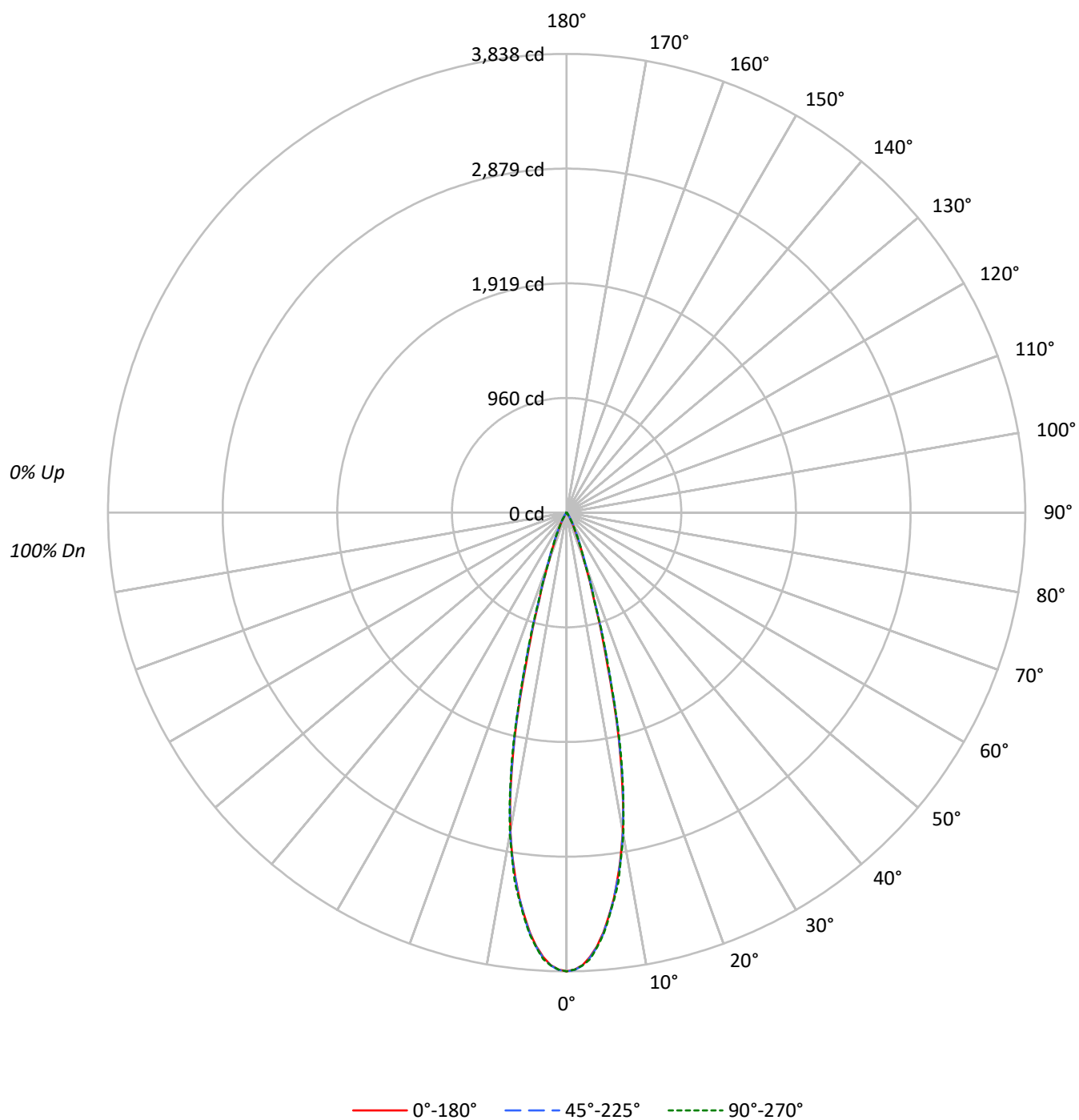
Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	113	111	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	661077	661077	661077
5°	609559	610942	612204
10°	473276	474990	477578
15°	233891	243733	243840
20°	78753	84032	80330
25°	32609	36219	33540
30°	12807	16088	12926
35°	3343	6581	3490
40°	1237	2608	1237
45°	146	755	146
50°	0	161	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.0	38.9
10°-20°	376.2	47.1
20°-30°	91.9	11.5
30°-40°	17.9	2.2
40°-50°	2.0	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	779.1	97.5
0°-40°	797.0	99.7
0°-60°	799.0	100.0
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3838	3838	3838	3838	3838	
5°	3526	3531	3534	3549	3541	310
15°	1312	1343	1367	1380	1368	369
25°	172	181	191	183	176	87
35°	16	23	31	23	17	14
45°	1	2	3	2	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	3838.5	3838.5	3838.5	3838.5	3838.5
1°	3823.8	3826.3	3826.9	3830.6	3823.2
2°	3788.9	3789.5	3791.3	3798.7	3791.9
3°	3724.5	3728.8	3729.4	3739.2	3741.1
4°	3636.9	3639.3	3644.2	3660.8	3646.0
5°	3525.9	3530.8	3533.9	3549.2	3541.2
6°	3388.6	3389.8	3396.6	3414.3	3403.3
7°	3248.8	3248.2	3248.8	3262.9	3259.9
8°	3080.3	3077.2	3087.0	3104.2	3115.8
9°	2904.3	2908.6	2914.8	2931.3	2917.8
10°	2706.3	2718.0	2716.1	2717.4	2730.9
11°	2478.3	2482.0	2482.6	2495.5	2493.6
12°	2210.4	2210.4	2230.7	2251.5	2244.8
13°	1940.1	1959.1	1945.6	1949.9	1976.9
14°	1625.0	1639.7	1658.1	1675.3	1661.8
15°	1311.8	1343.1	1367.0	1380.4	1367.6
17.5°	751.5	761.9	782.2	784.6	776.7
20°	429.7	442.6	458.5	453.6	438.3
22.5°	270.3	274.0	289.9	282.0	278.3
25°	171.6	180.8	190.6	182.7	176.5
27.5°	106.7	112.8	123.2	114.6	107.9
30°	64.4	69.9	80.9	69.3	65.0
32.5°	33.7	41.7	50.9	42.3	33.7
35°	15.9	22.7	31.3	22.7	16.6
37.5°	9.8	12.3	19.0	12.3	9.8
40°	5.5	8.0	11.6	8.0	5.5
42.5°	2.5	4.3	5.5	4.3	3.1
45°	0.6	1.8	3.1	1.8	0.6
47.5°	0.0	0.0	1.8	0.6	0.0
50°	0.0	0.0	0.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)