

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: P1318123

Luminaire Tested: P3SQAS17R259835DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318123
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: P3SQAS17R259835DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

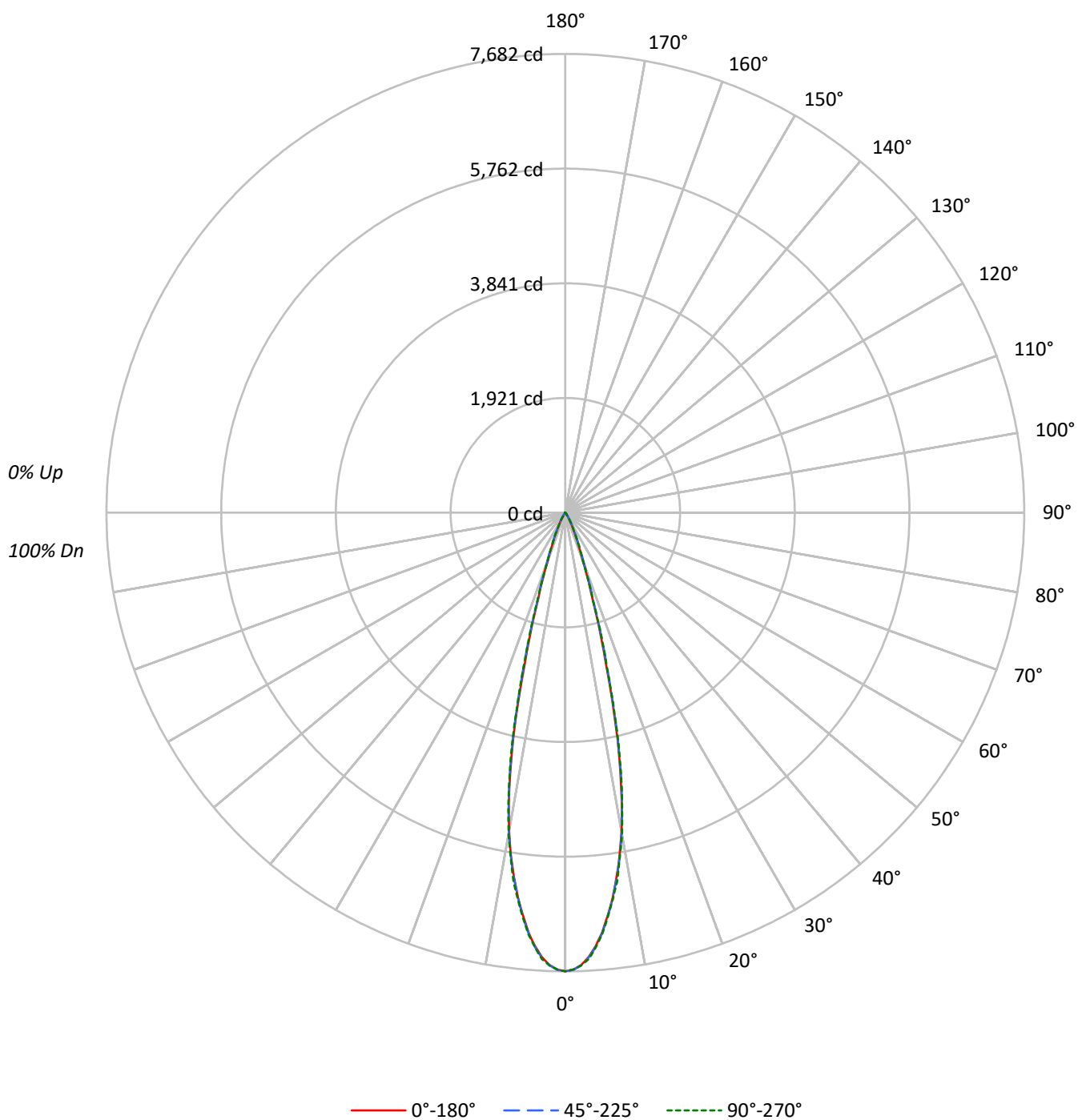
Lumens per Lamp: N/A
Luminaire Lumens: 1599.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	1322997	1322997	1322997
5°	1219879	1222645	1225187
10°	947165	950592	955734
15°	468068	487752	487984
20°	157599	168174	160751
25°	65274	72495	67136
30°	25614	32196	25853
35°	6707	13161	6959
40°	2473	5238	2473
45°	292	1486	292
50°	0	322	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: 1486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.5	38.9
10°-20°	752.9	47.1
20°-30°	183.8	11.5
30°-40°	35.7	2.2
40°-50°	4.0	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°	1559.2	97.5
0°-40°	1594.9	99.7
0°-60°	1599.0	100.0
0°-90°	1599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7682	7682	7682	7682	7682	
5°	7056	7066	7072	7103	7087	621
15°	2625	2688	2736	2763	2737	739
25°	344	362	382	366	353	175
35°	32	45	63	45	33	28
45°	1	4	6	4	1	2
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7681.9	7681.9	7681.9	7681.9	7681.9
1°	7652.4	7657.3	7658.5	7665.9	7651.2
2°	7582.5	7583.7	7587.4	7602.1	7588.6
3°	7453.7	7462.3	7463.5	7483.1	7486.8
4°	7278.3	7283.2	7293.0	7326.1	7296.7
5°	7056.2	7066.0	7072.2	7102.8	7086.9
6°	6781.4	6783.9	6797.4	6833.0	6810.9
7°	6501.7	6500.5	6501.7	6529.9	6523.8
8°	6164.4	6158.2	6177.9	6212.2	6235.5
9°	5812.3	5820.9	5833.2	5866.3	5839.3
10°	5416.1	5439.4	5435.7	5438.1	5465.1
11°	4959.7	4967.1	4968.3	4994.1	4990.4
12°	4423.6	4423.6	4464.1	4505.8	4492.3
13°	3882.6	3920.7	3893.7	3902.3	3956.2
14°	3252.1	3281.5	3318.3	3352.7	3325.7
15°	2625.2	2687.8	2735.6	2762.6	2736.9
17.5°	1504.0	1524.8	1565.3	1570.2	1554.3
20°	859.9	885.7	917.6	907.8	877.1
22.5°	541.0	548.4	580.2	564.3	556.9
25°	343.5	361.9	381.5	365.6	353.3
27.5°	213.5	225.7	246.6	229.4	215.9
30°	128.8	139.8	161.9	138.6	130.0
32.5°	67.5	83.4	101.8	84.6	67.5
35°	31.9	45.4	62.6	45.4	33.1
37.5°	19.6	24.5	38.0	24.5	19.6
40°	11.0	15.9	23.3	15.9	11.0
42.5°	4.9	8.6	11.0	8.6	6.1
45°	1.2	3.7	6.1	3.7	1.2
47.5°	0.0	0.0	3.7	1.2	0.0
50°	0.0	0.0	1.2	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)