

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: P1311461

Luminaire Tested: P3SQAS17R259050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311461
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: P3SQAS17R259050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

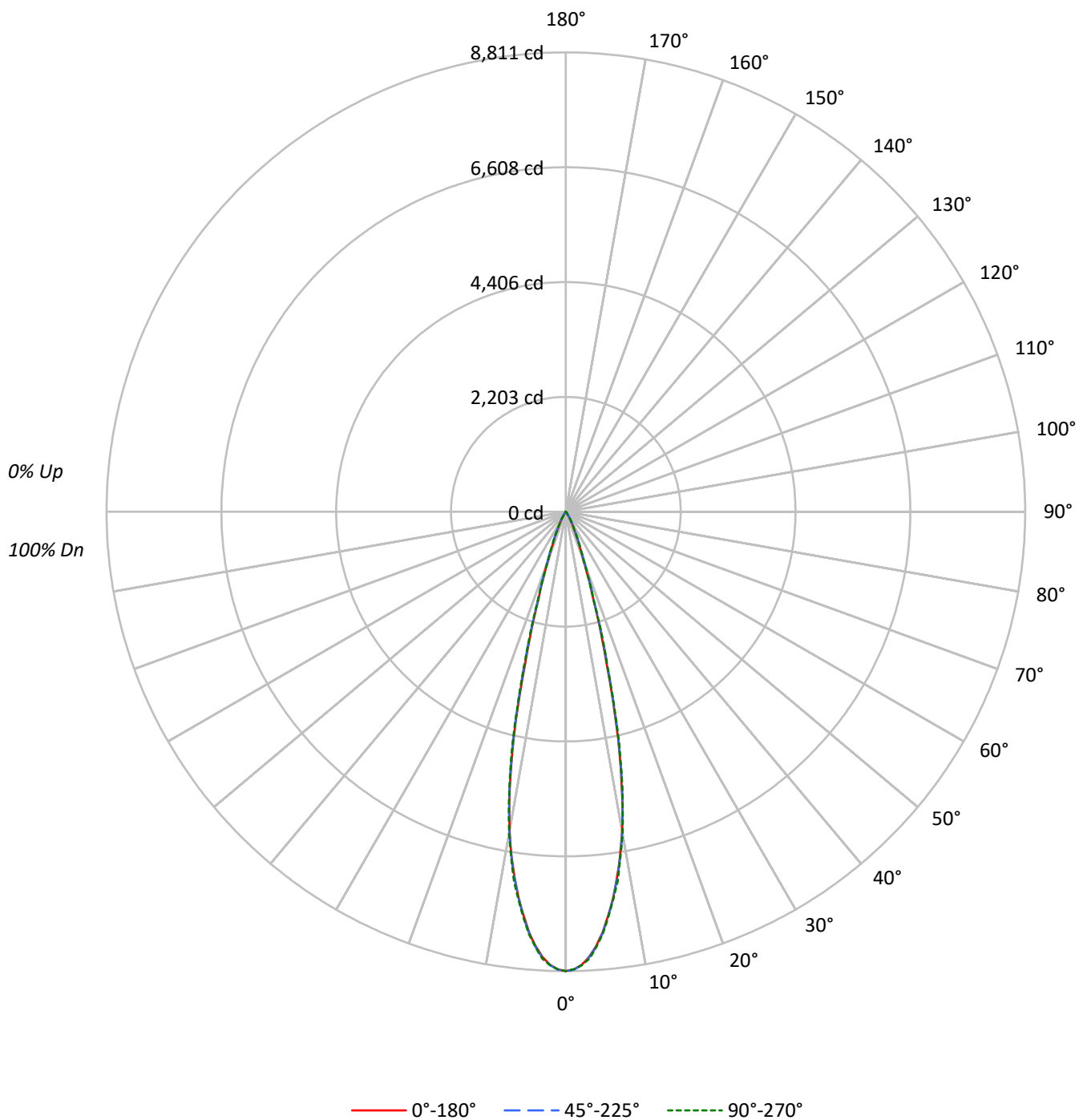
Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	1517419	1517419	1517419
5°	1399156	1402320	1405242
10°	1086351	1090303	1096197
15°	536855	559446	559695
20°	180765	192897	184375
25°	74871	83156	76999
30°	29372	36929	29651
35°	7695	15096	7989
40°	2855	6003	2855
45°	341	1705	341
50°	0	375	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: 1705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.9	38.9
10°-20°	863.6	47.1
20°-30°	210.8	11.5
30°-40°	41.0	2.2
40°-50°	4.6	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°	1788.3	97.5
0°-40°	1829.3	99.7
0°-60°	1834.0	100.0
0°-90°	1834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8811	8811	8811	8811	8811	
5°	8093	8104	8112	8147	8128	712
15°	3011	3083	3138	3169	3139	848
25°	394	415	438	419	405	200
35°	37	52	72	52	38	32
45°	1	4	7	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8810.8	8810.8	8810.8	8810.8	8810.8
1°	8777.1	8782.7	8784.1	8792.5	8775.7
2°	8696.9	8698.3	8702.5	8719.4	8703.9
3°	8549.1	8559.0	8560.4	8582.9	8587.1
4°	8347.9	8353.5	8364.8	8402.8	8369.0
5°	8093.2	8104.5	8111.5	8146.7	8128.4
6°	7778.1	7780.9	7796.4	7837.2	7811.8
7°	7457.3	7455.9	7457.3	7489.6	7482.6
8°	7070.3	7063.3	7085.8	7125.2	7151.9
9°	6666.5	6676.4	6690.4	6728.4	6697.5
10°	6212.0	6238.8	6234.6	6237.4	6268.3
11°	5688.6	5697.1	5698.5	5728.0	5723.8
12°	5073.8	5073.8	5120.2	5168.0	5152.6
13°	4453.3	4496.9	4465.9	4475.8	4537.7
14°	3730.0	3763.8	3806.0	3845.4	3814.5
15°	3011.0	3082.8	3137.7	3168.6	3139.1
17.5°	1725.0	1748.9	1795.4	1801.0	1782.7
20°	986.3	1015.9	1052.5	1041.2	1006.0
22.5°	620.5	628.9	665.5	647.2	638.8
25°	394.0	415.1	437.6	419.3	405.2
27.5°	244.8	258.9	282.8	263.1	247.6
30°	147.7	160.4	185.7	159.0	149.1
32.5°	77.4	95.7	116.8	97.1	77.4
35°	36.6	52.1	71.8	52.1	38.0
37.5°	22.5	28.1	43.6	28.1	22.5
40°	12.7	18.3	26.7	18.3	12.7
42.5°	5.6	9.8	12.7	9.8	7.0
45°	1.4	4.2	7.0	4.2	1.4
47.5°	0.0	0.0	4.2	1.4	0.0
50°	0.0	0.0	1.4	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)