

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: P1311478

Luminaire Tested: P3SQAS17R309050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

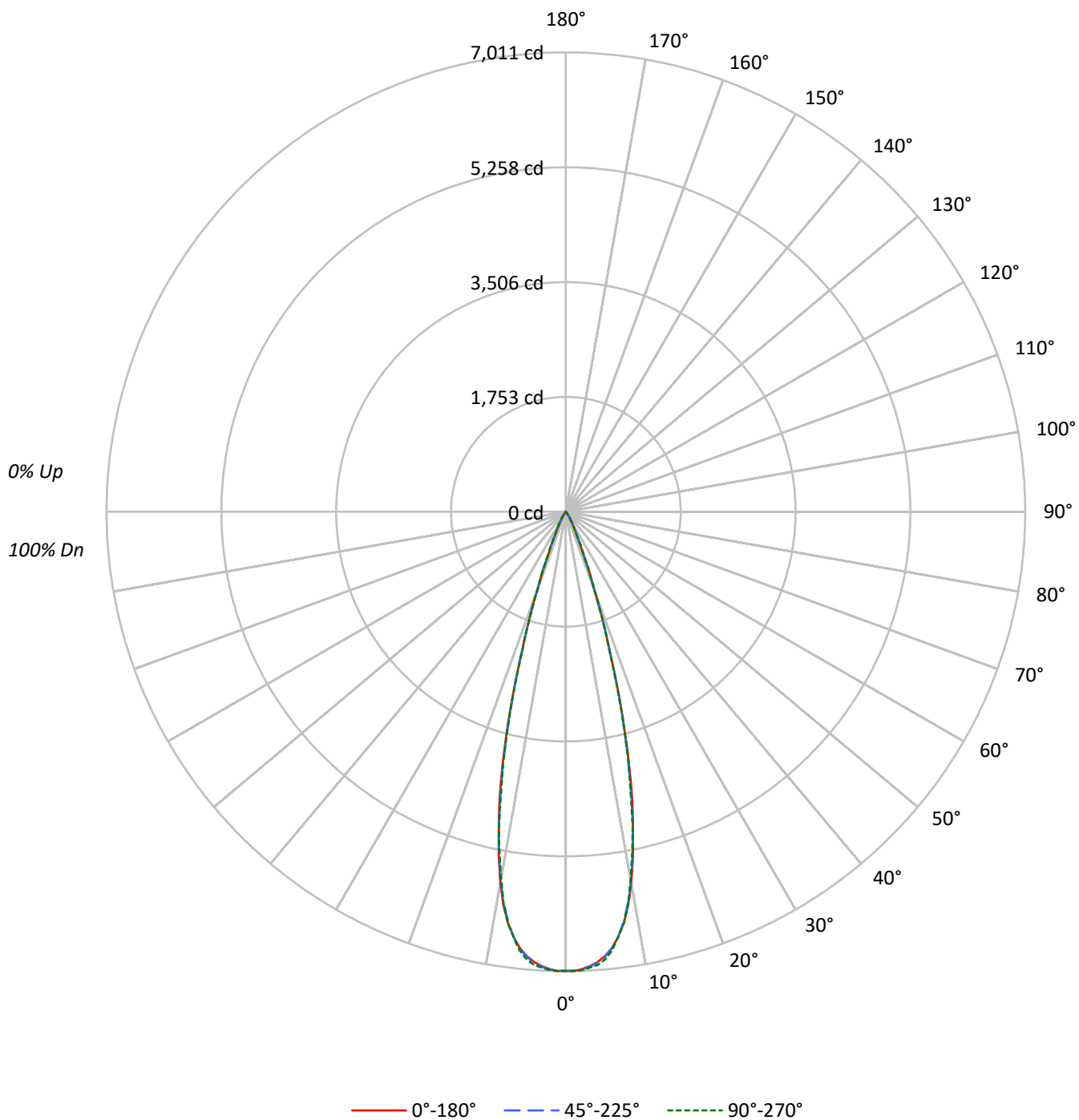
Lumens per Lamp: N/A
Luminaire Lumens: 1808.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1206730	1206730	1206730
5°	1177316	1178768	1185338
10°	1005522	1000835	994942
15°	620513	613238	615503
20°	234519	235802	235546
25°	72153	79089	75346
30°	29074	36909	30208
35°	8578	15663	8872
40°	3485	6317	3485
45°	682	2046	682
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: 2046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.0	34.2
10°-20°	915.0	50.6
20°-30°	227.0	12.6
30°-40°	42.6	2.4
40°-50°	5.4	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°	1760.0	97.3
0°-40°	1802.6	99.7
0°-60°	1808.0	100.0
0°-90°	1808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7007	7007	7007	7007	7007	
5°	6810	6807	6818	6830	6856	618
15°	3480	3446	3439	3466	3452	920
25°	380	405	416	415	396	219
35°	41	53	74	55	42	34
45°	3	4	8	6	3	3
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°	7006.8	7006.8	7006.8	7006.8	7006.8
1°	7009.7	7004.0	7004.0	6995.6	7011.1
2°	6984.4	6978.7	6988.6	6981.5	7001.2
3°	6946.4	6939.4	6953.4	6957.6	6967.5
4°	6890.1	6884.5	6900.0	6908.4	6935.1
5°	6810.0	6807.2	6818.4	6829.7	6856.4
6°	6700.3	6696.1	6703.1	6717.2	6734.1
7°	6541.4	6533.0	6538.6	6541.4	6545.6
8°	6340.3	6327.7	6320.6	6336.1	6344.6
9°	6081.6	6067.5	6052.1	6046.4	6066.1
10°	5749.8	5728.7	5723.0	5709.0	5689.3
11°	5364.5	5347.6	5343.4	5318.1	5306.8
12°	4922.9	4914.5	4924.3	4908.9	4903.2
13°	4499.7	4446.2	4439.2	4409.7	4394.2
14°	3999.1	3949.9	3948.5	3933.0	3954.1
15°	3480.2	3446.5	3439.4	3466.2	3452.1
17.5°	2218.9	2241.4	2235.8	2221.7	2197.8
20°	1279.6	1264.1	1286.6	1292.3	1285.2
22.5°	682.0	687.6	691.8	708.7	719.9
25°	379.7	405.0	416.2	414.8	396.5
27.5°	236.2	251.7	272.8	258.7	243.3
30°	146.2	158.9	185.6	160.3	151.9
32.5°	78.7	99.8	119.5	99.8	81.6
35°	40.8	53.4	74.5	54.8	42.2
37.5°	26.7	30.9	47.8	30.9	26.7
40°	15.5	19.7	28.1	19.7	15.5
42.5°	7.0	11.2	15.5	11.2	7.0
45°	2.8	4.2	8.4	5.6	2.8
47.5°	0.0	1.4	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)