

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: P1311643

Luminaire Tested: P3SQAS20R359050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311643
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: P3SQAS20R359050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

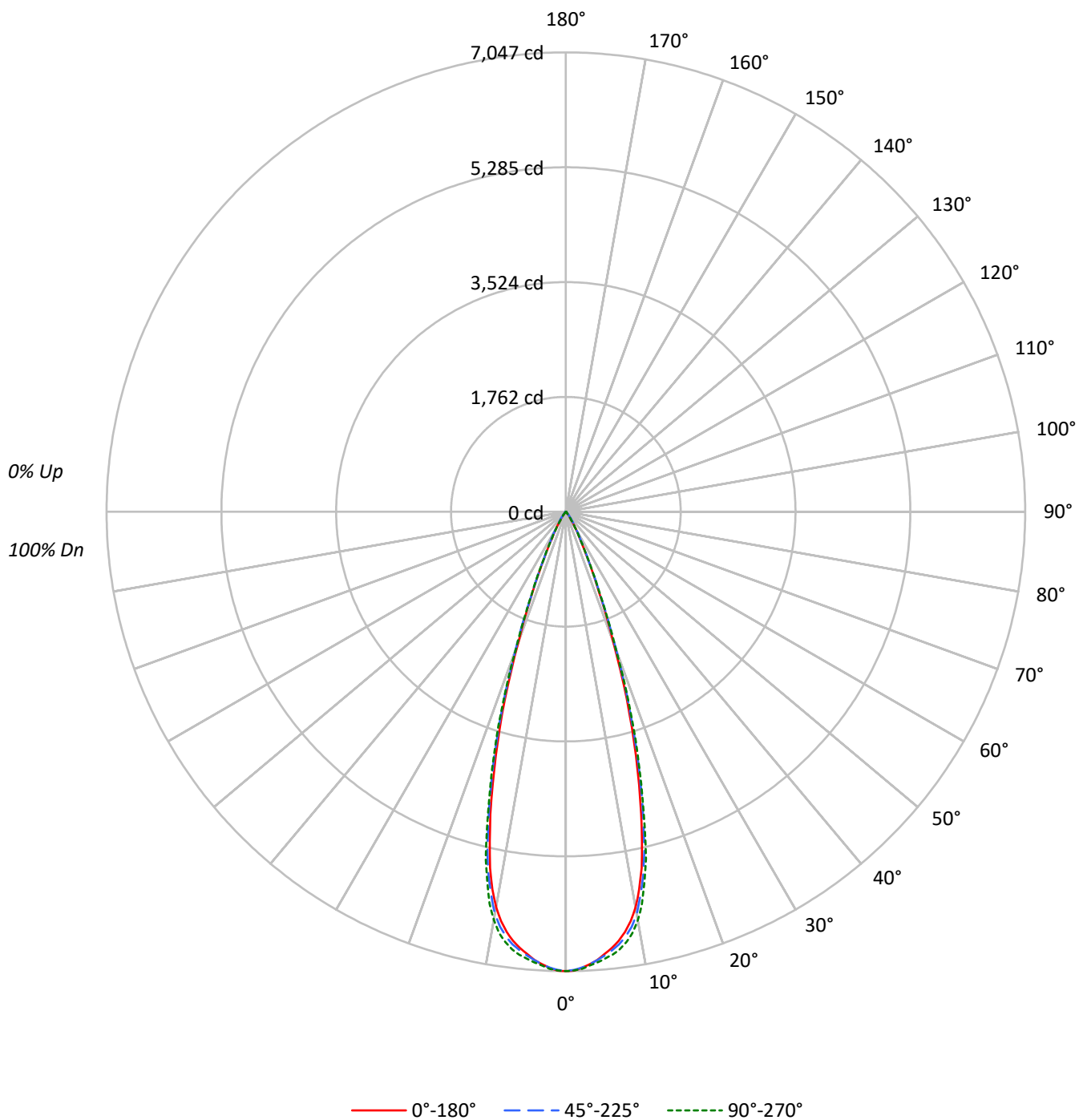
Lumens per Lamp: N/A
Luminaire Lumens: 2366.9 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	1213584	1213584	1213584
5°	1177662	1181811	1189798
10°	1077257	1095987	1112793
15°	773261	801592	809830
20°	388966	411637	412663
25°	147423	151983	152686
30°	59878	68688	58765
35°	21739	33008	20961
40°	9128	14119	8723
45°	2241	5845	2241
50°	1474	2465	1474
55°	1651	1651	1651
60°	1894	1894	1894
65°	1508	1508	1508
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.1	26.9
10°-20°	1186.9	50.1
20°-30°	426.9	18.0
30°-40°	89.7	3.8
40°-50°	15.4	0.7
50°-60°	5.0	0.2
60°-70°	3.6	0.2
70°-80°	1.9	0.1
80°-90°	0.3	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°	2250.9	95.1
0°-40°	2340.6	98.9
0°-60°	2361.0	99.8
0°-90°	2366.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2366.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7047	7047	7047	7047	7047	
5°	6812	6825	6836	6882	6882	631
15°	4337	4413	4496	4544	4542	1154
25°	776	787	800	807	804	412
35°	103	122	157	120	100	79
45°	9	15	24	15	9	11
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7046.6	7046.6	7046.6	7046.6	7046.6
1°	7042.9	7042.9	7028.1	7044.7	7039.2
2°	7004.1	7007.8	6998.6	7018.9	7017.0
3°	6950.5	6959.8	6952.4	6981.9	6972.7
4°	6893.3	6900.7	6897.0	6933.9	6930.2
5°	6812.0	6824.9	6836.0	6882.2	6882.2
6°	6728.9	6741.8	6765.8	6815.7	6832.3
7°	6632.8	6649.5	6688.3	6754.8	6765.8
8°	6510.9	6529.4	6583.0	6655.0	6669.8
9°	6359.5	6387.2	6448.1	6535.0	6544.2
10°	6160.0	6182.2	6267.1	6339.2	6363.2
11°	5901.4	5919.9	5995.6	6112.0	6126.7
12°	5587.4	5609.6	5707.5	5783.2	5798.0
13°	5190.3	5232.8	5351.0	5424.9	5465.5
14°	4782.1	4839.3	4924.3	5029.6	5003.7
15°	4336.9	4412.7	4495.8	4543.8	4542.0
17.5°	3245.3	3289.6	3363.5	3391.2	3428.2
20°	2122.3	2179.5	2246.0	2271.9	2251.6
22.5°	1317.0	1331.7	1352.1	1363.1	1359.4
25°	775.8	786.9	799.8	807.2	803.5
27.5°	467.3	493.2	511.6	489.5	476.5
30°	301.1	312.2	345.4	315.8	295.5
32.5°	179.2	205.0	232.7	197.6	171.8
35°	103.4	121.9	157.0	120.1	99.7
37.5°	66.5	75.7	101.6	73.9	64.6
40°	40.6	51.7	62.8	48.0	38.8
42.5°	20.3	31.4	36.9	27.7	20.3
45°	9.2	14.8	24.0	14.8	9.2
47.5°	5.5	7.4	14.8	7.4	5.5
50°	5.5	5.5	9.2	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	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)