

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: P1311503

Luminaire Tested: P3SQAS17R359050DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359050DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

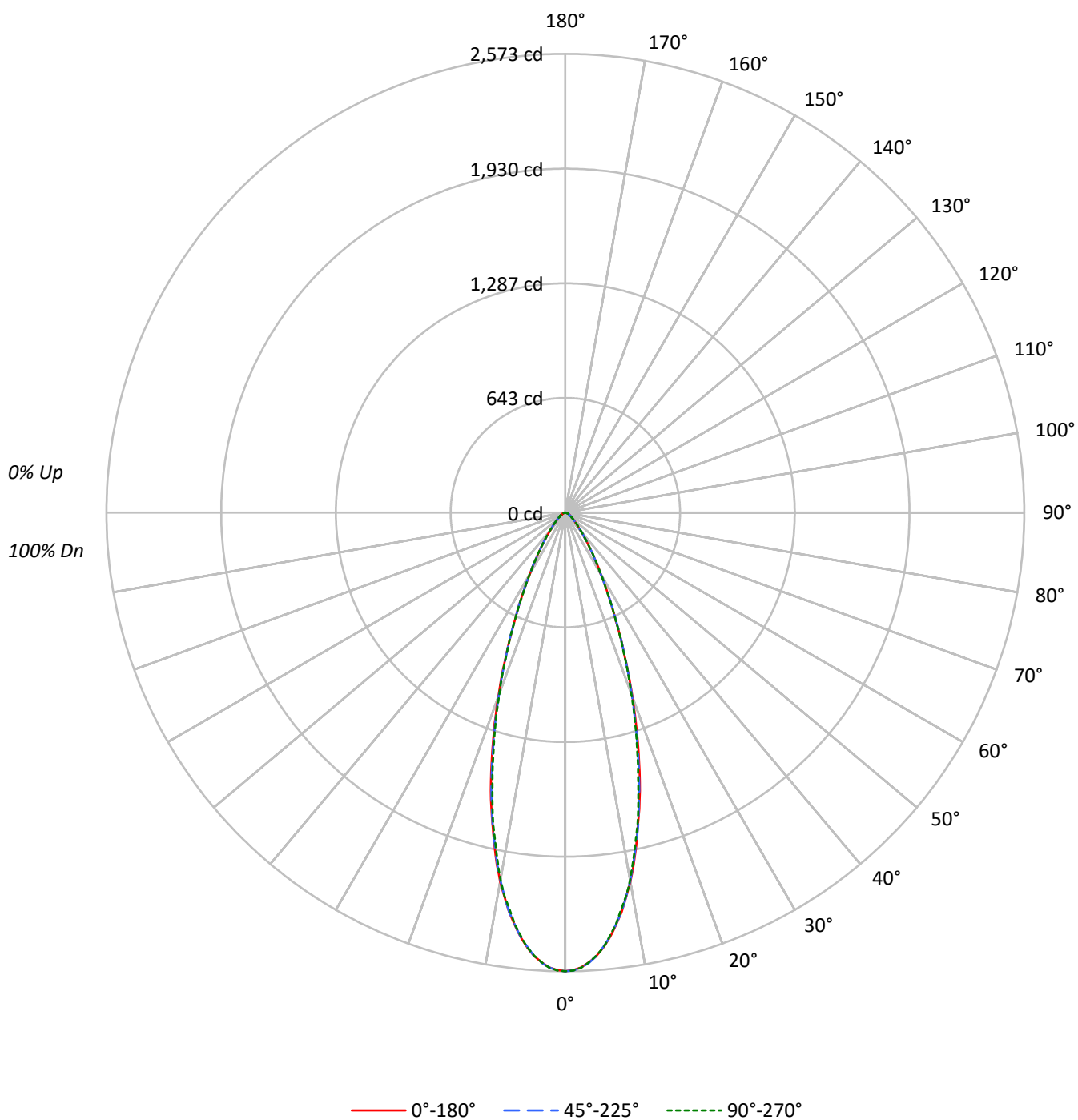
Lumens per Lamp: N/A
Luminaire Lumens: 1269.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	443146	443146	443146
5°	423454	422727	423454
10°	367614	366390	365900
15°	288058	285794	281283
20°	201530	199715	198432
25°	127983	128781	127983
30°	78850	79407	78850
35°	48777	49071	49071
40°	30980	31295	31295
45°	20897	21238	21579
50°	15058	15433	15433
55°	11830	11830	11830
60°	9679	9679	9679
65°	8599	8599	8599
70°	7805	7805	7805
75°	6521	6521	6521
80°	5554	5554	5554
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 21579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	17.5
10°-20°	437.8	34.5
20°-30°	315.9	24.9
30°-40°	152.3	12.0
40°-50°	70.2	5.5
50°-60°	36.3	2.9
60°-70°	21.0	1.7
70°-80°	10.6	0.8
80°-90°	2.5	0.2
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°	976.1	76.9
0°-40°	1128.4	88.9
0°-60°	1234.9	97.3
0°-90°	1269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2449	2455	2445	2447	2449	223
15°	1616	1613	1603	1596	1578	441
25°	674	675	678	678	674	316
35°	232	232	233	233	233	151
45°	86	87	87	89	89	69
55°	39	39	39	39	39	36
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2573.1	2573.1	2573.1	2573.1	2573.1
1°	2566.1	2570.3	2568.9	2570.3	2568.9
2°	2553.5	2556.3	2553.5	2554.9	2554.9
3°	2526.7	2529.6	2529.6	2528.1	2526.7
4°	2494.4	2501.4	2494.4	2495.8	2491.6
5°	2449.4	2455.0	2445.2	2446.6	2449.4
6°	2394.6	2396.0	2393.2	2391.8	2388.9
7°	2331.3	2336.9	2327.1	2328.5	2325.7
8°	2263.8	2262.4	2262.4	2256.8	2248.3
9°	2182.2	2187.9	2179.4	2176.6	2178.0
10°	2102.1	2102.1	2095.1	2088.0	2092.3
11°	2010.7	2007.9	2003.7	1993.8	1991.0
12°	1910.9	1916.5	1903.8	1899.6	1889.8
13°	1808.2	1816.7	1811.0	1795.6	1797.0
14°	1712.6	1707.0	1702.8	1700.0	1690.1
15°	1615.6	1612.8	1602.9	1595.9	1577.6
17.5°	1349.8	1352.7	1334.4	1331.6	1324.5
20°	1099.6	1091.1	1089.7	1091.1	1082.7
22.5°	867.6	876.0	866.2	867.6	861.9
25°	673.5	674.9	677.7	677.7	673.5
27.5°	523.1	523.1	520.3	523.1	518.8
30°	396.5	396.5	399.3	402.1	396.5
32.5°	306.5	306.5	306.5	307.9	309.3
35°	232.0	232.0	233.4	233.4	233.4
37.5°	178.6	180.0	181.4	181.4	181.4
40°	137.8	139.2	139.2	140.6	139.2
42.5°	109.7	109.7	109.7	111.1	111.1
45°	85.8	87.2	87.2	88.6	88.6
47.5°	70.3	70.3	70.3	71.7	71.7
50°	56.2	57.6	57.6	57.6	57.6
52.5°	46.4	46.4	47.8	47.8	47.8
55°	39.4	39.4	39.4	39.4	39.4
57.5°	32.3	33.7	33.7	33.7	33.7
60°	28.1	28.1	28.1	28.1	28.1
62.5°	23.9	23.9	23.9	23.9	23.9
65°	21.1	21.1	21.1	21.1	21.1
67.5°	16.9	18.3	18.3	18.3	18.3
70°	15.5	15.5	15.5	15.5	15.5
72.5°	11.2	12.7	12.7	12.7	12.7
75°	9.8	9.8	9.8	9.8	9.8
77.5°	8.4	7.0	7.0	7.0	8.4
80°	5.6	5.6	5.6	5.6	5.6
82.5°	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4



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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)