

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: P1308156

Luminaire Tested: P3SQAS17R259030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

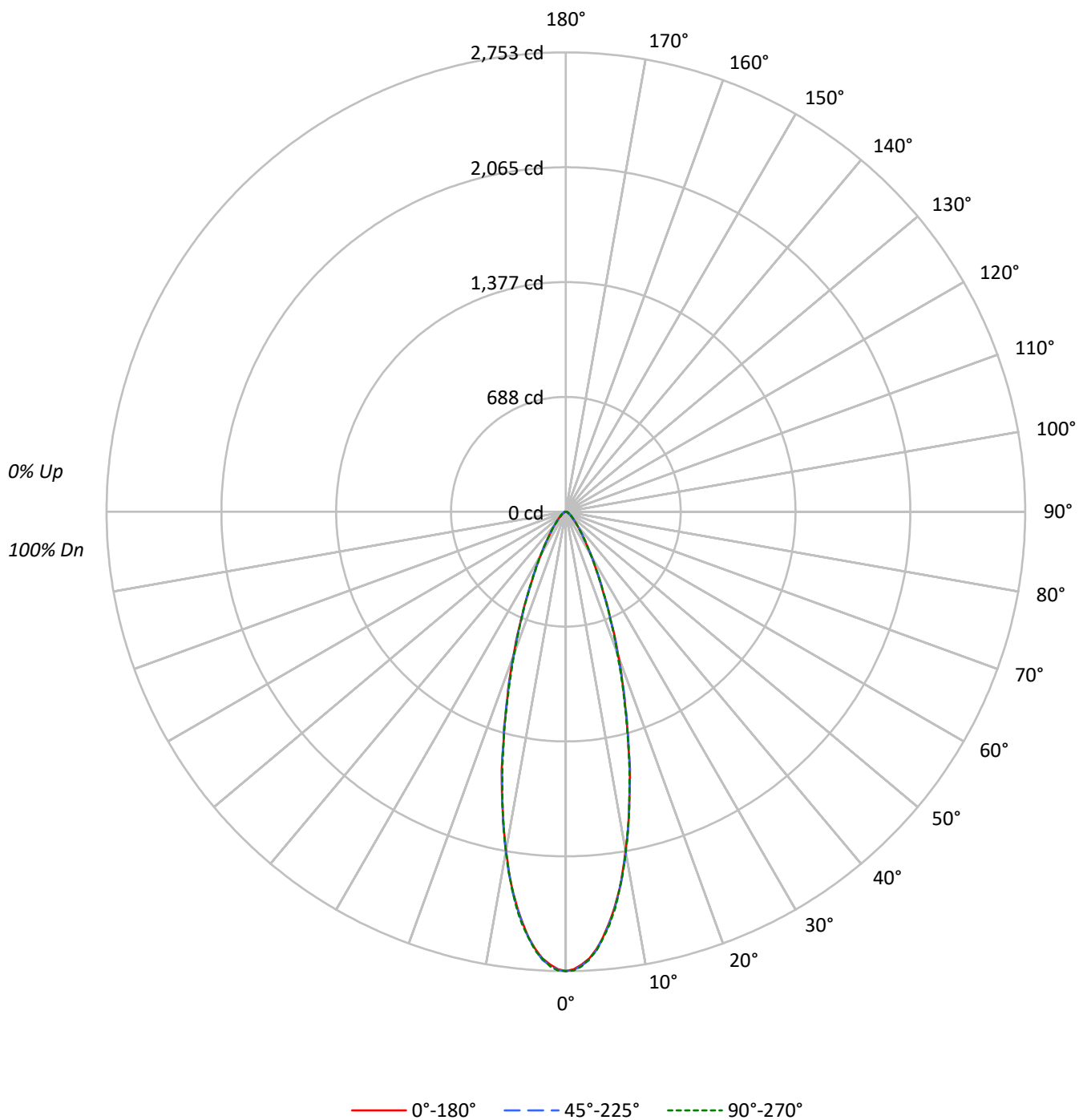
Lumens per Lamp: N/A
Luminaire Lumens: 1103.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	474094	474094	474094
5°	442522	442954	443179
10°	360934	362070	362070
15°	257801	259174	257801
20°	168723	167074	164710
25°	100315	100809	100315
30°	60435	60435	60177
35°	36814	37087	36814
40°	23449	23741	23741
45°	16318	16318	16318
50°	11735	12084	12084
55°	9278	9278	9668
60°	7543	7991	7991
65°	6805	6805	6805
70°	5841	5841	6496
75°	5124	5124	5989
80°	5157	5157	5157
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16318 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	20.7
10°-20°	398.7	36.1
20°-30°	250.7	22.7
30°-40°	114.7	10.4
40°-50°	53.6	4.9
50°-60°	28.8	2.6
60°-70°	17.0	1.5
70°-80°	8.8	0.8
80°-90°	2.0	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°	878.2	79.6
0°-40°	992.9	90.0
0°-60°	1075.2	97.5
0°-90°	1103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2753	2753	2753	2753	2753	
5°	2560	2565	2562	2565	2564	228
15°	1446	1455	1454	1456	1446	399
25°	528	534	530	530	528	251
35°	175	175	176	176	175	114
45°	67	67	67	67	67	53
55°	31	31	31	32	32	28
65°	17	17	17	17	17	17
75°	8	8	8	9	9	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2752.8	2752.8	2752.8	2752.8	2752.8
1°	2741.2	2743.8	2746.3	2750.2	2748.9
2°	2715.4	2720.6	2721.9	2727.0	2725.7
3°	2680.7	2679.4	2689.7	2689.7	2683.3
4°	2626.6	2629.2	2631.8	2634.3	2635.6
5°	2559.7	2564.8	2562.2	2564.8	2563.5
6°	2477.3	2485.0	2483.7	2486.3	2490.1
7°	2389.7	2394.8	2394.8	2392.3	2402.6
8°	2294.4	2290.6	2297.0	2294.4	2293.1
9°	2181.1	2188.8	2190.1	2183.7	2186.3
10°	2063.9	2069.1	2070.4	2074.2	2070.4
11°	1948.1	1948.1	1950.6	1957.1	1946.8
12°	1821.9	1833.5	1821.9	1827.0	1821.9
13°	1702.1	1704.7	1702.1	1700.9	1691.8
14°	1588.8	1579.8	1582.4	1572.1	1573.4
15°	1445.9	1454.9	1453.6	1456.2	1445.9
17.5°	1162.7	1167.8	1166.5	1163.9	1151.1
20°	920.6	920.6	911.6	906.4	898.7
22.5°	703.0	700.4	696.6	692.7	695.3
25°	527.9	534.3	530.5	530.5	527.9
27.5°	399.1	406.9	400.4	396.6	399.1
30°	303.9	306.4	303.9	302.6	302.6
32.5°	229.2	230.5	229.2	229.2	229.2
35°	175.1	175.1	176.4	176.4	175.1
37.5°	135.2	135.2	135.2	135.2	136.5
40°	104.3	105.6	105.6	105.6	105.6
42.5°	82.4	83.7	83.7	83.7	83.7
45°	67.0	67.0	67.0	67.0	67.0
47.5°	54.1	54.1	54.1	54.1	55.4
50°	43.8	45.1	45.1	45.1	45.1
52.5°	37.3	37.3	37.3	37.3	37.3
55°	30.9	30.9	30.9	32.2	32.2
57.5°	25.8	25.8	27.0	27.0	27.0
60°	21.9	23.2	23.2	23.2	23.2
62.5°	19.3	19.3	20.6	20.6	20.6
65°	16.7	16.7	16.7	16.7	16.7
67.5°	14.2	14.2	14.2	14.2	15.5
70°	11.6	11.6	11.6	12.9	12.9
72.5°	10.3	10.3	10.3	10.3	10.3
75°	7.7	7.7	7.7	9.0	9.0
77.5°	6.4	6.4	6.4	6.4	6.4
80°	5.2	5.2	5.2	5.2	5.2
82.5°	2.6	2.6	3.9	3.9	3.9
85°	1.3	1.3	1.3	1.3	1.3
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)