

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: P1318131

Luminaire Tested: P3SQAS17R259835DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318131
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: P3SQAS17R259835DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

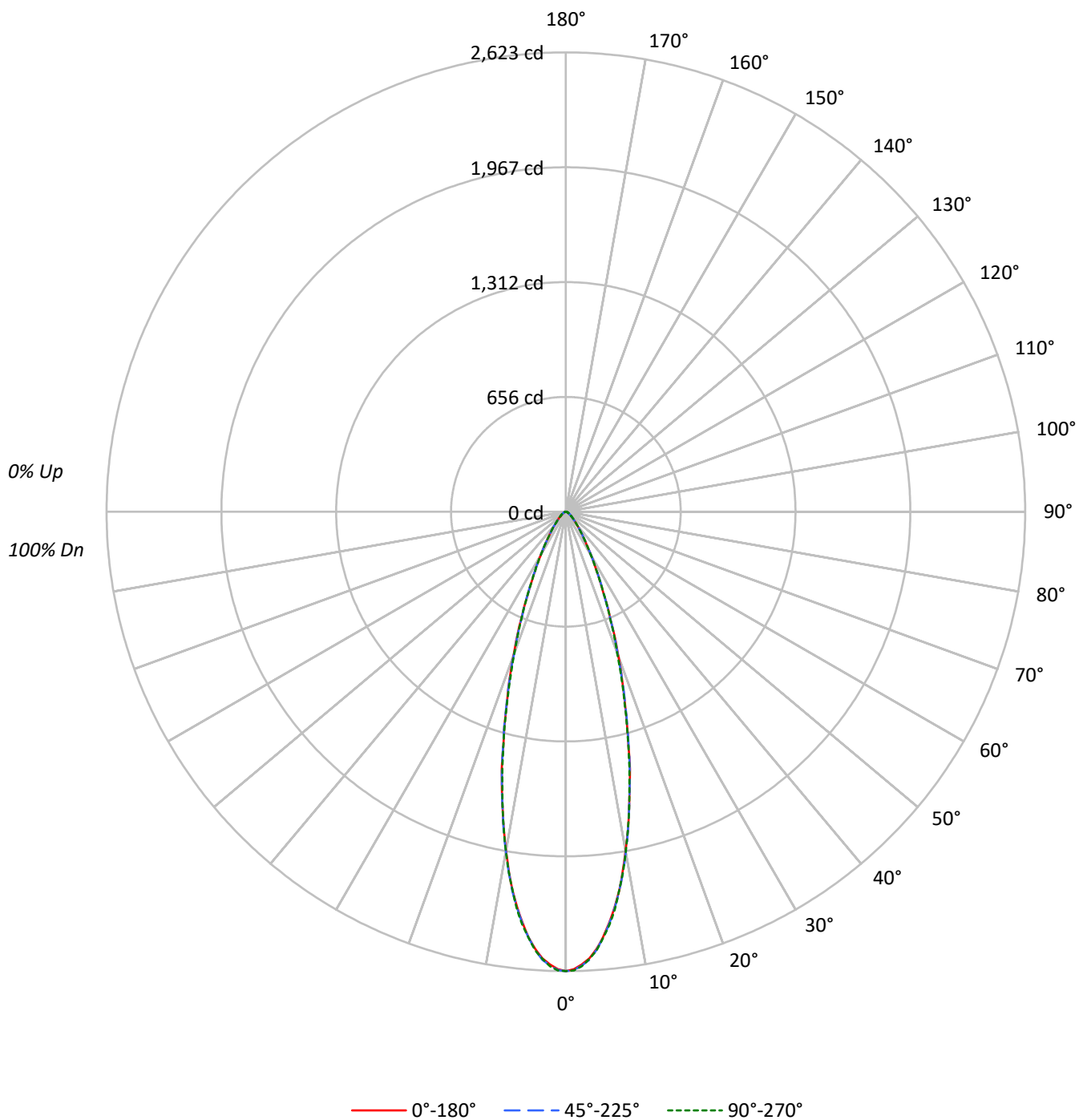
Lumens per Lamp: N/A
Luminaire Lumens: 1051.0 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	73		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°	451740	451740	451740
5°	421656	422070	422295
10°	343918	345002	345002
15°	245659	246961	245659
20°	160769	159193	156939
25°	95583	96058	95583
30°	57572	57572	57333
35°	35090	35342	35090
40°	22347	22617	22617
45°	15539	15539	15539
50°	11173	11494	11494
55°	8828	8828	9218
60°	7199	7612	7612
65°	6479	6479	6479
70°	5539	5539	6194
75°	4924	4924	5723
80°	4860	4860	4860
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15539 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	20.7
10°-20°	379.9	36.2
20°-30°	238.9	22.7
30°-40°	109.3	10.4
40°-50°	51.0	4.9
50°-60°	27.4	2.6
60°-70°	16.2	1.5
70°-80°	8.4	0.8
80°-90°	1.9	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°	836.8	79.6
0°-40°	946.0	90.0
0°-60°	1024.5	97.5
0°-90°	1051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2623	2623	2623	2623	2623	
5°	2439	2444	2441	2444	2443	218
15°	1378	1386	1385	1388	1378	380
25°	503	509	506	506	503	239
35°	167	167	168	168	167	109
45°	64	64	64	64	64	51
55°	29	29	29	31	31	27
65°	16	16	16	16	16	16
75°	7	7	7	9	9	8
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°	2623.0	2623.0	2623.0	2623.0	2623.0
1°	2612.0	2614.4	2616.9	2620.6	2619.3
2°	2587.4	2592.3	2593.6	2598.5	2597.2
3°	2554.3	2553.1	2562.9	2562.9	2556.8
4°	2502.8	2505.2	2507.7	2510.1	2511.4
5°	2439.0	2443.9	2441.4	2443.9	2442.7
6°	2360.5	2367.8	2366.6	2369.1	2372.7
7°	2277.0	2281.9	2281.9	2279.5	2289.3
8°	2186.2	2182.6	2188.7	2186.2	2185.0
9°	2078.3	2085.6	2086.9	2080.7	2083.2
10°	1966.6	1971.6	1972.8	1976.5	1972.8
11°	1856.2	1856.2	1858.7	1864.8	1855.0
12°	1736.0	1747.0	1736.0	1740.9	1736.0
13°	1621.9	1624.4	1621.9	1620.7	1612.1
14°	1513.9	1505.3	1507.8	1498.0	1499.2
15°	1377.8	1386.3	1385.1	1387.6	1377.8
17.5°	1107.8	1112.8	1111.5	1109.1	1096.8
20°	877.2	877.2	868.6	863.7	856.3
22.5°	669.9	667.4	663.7	660.0	662.5
25°	503.0	509.1	505.5	505.5	503.0
27.5°	380.3	387.7	381.6	377.9	380.3
30°	289.5	292.0	289.5	288.3	288.3
32.5°	218.4	219.6	218.4	218.4	218.4
35°	166.9	166.9	168.1	168.1	166.9
37.5°	128.8	128.8	128.8	128.8	130.0
40°	99.4	100.6	100.6	100.6	100.6
42.5°	78.5	79.7	79.7	79.7	79.7
45°	63.8	63.8	63.8	63.8	63.8
47.5°	51.5	51.5	51.5	51.5	52.8
50°	41.7	42.9	42.9	42.9	42.9
52.5°	35.6	35.6	35.6	35.6	35.6
55°	29.4	29.4	29.4	30.7	30.7
57.5°	24.5	24.5	25.8	25.8	25.8
60°	20.9	22.1	22.1	22.1	22.1
62.5°	18.4	18.4	19.6	19.6	19.6
65°	15.9	15.9	15.9	15.9	15.9
67.5°	13.5	13.5	13.5	13.5	14.7
70°	11.0	11.0	11.0	12.3	12.3
72.5°	9.8	9.8	9.8	9.8	9.8
75°	7.4	7.4	7.4	8.6	8.6
77.5°	6.1	6.1	6.1	6.1	6.1
80°	4.9	4.9	4.9	4.9	4.9
82.5°	2.5	2.5	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2
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)