

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: P1309291

Luminaire Tested: P3SQAS17R309035DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309035DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

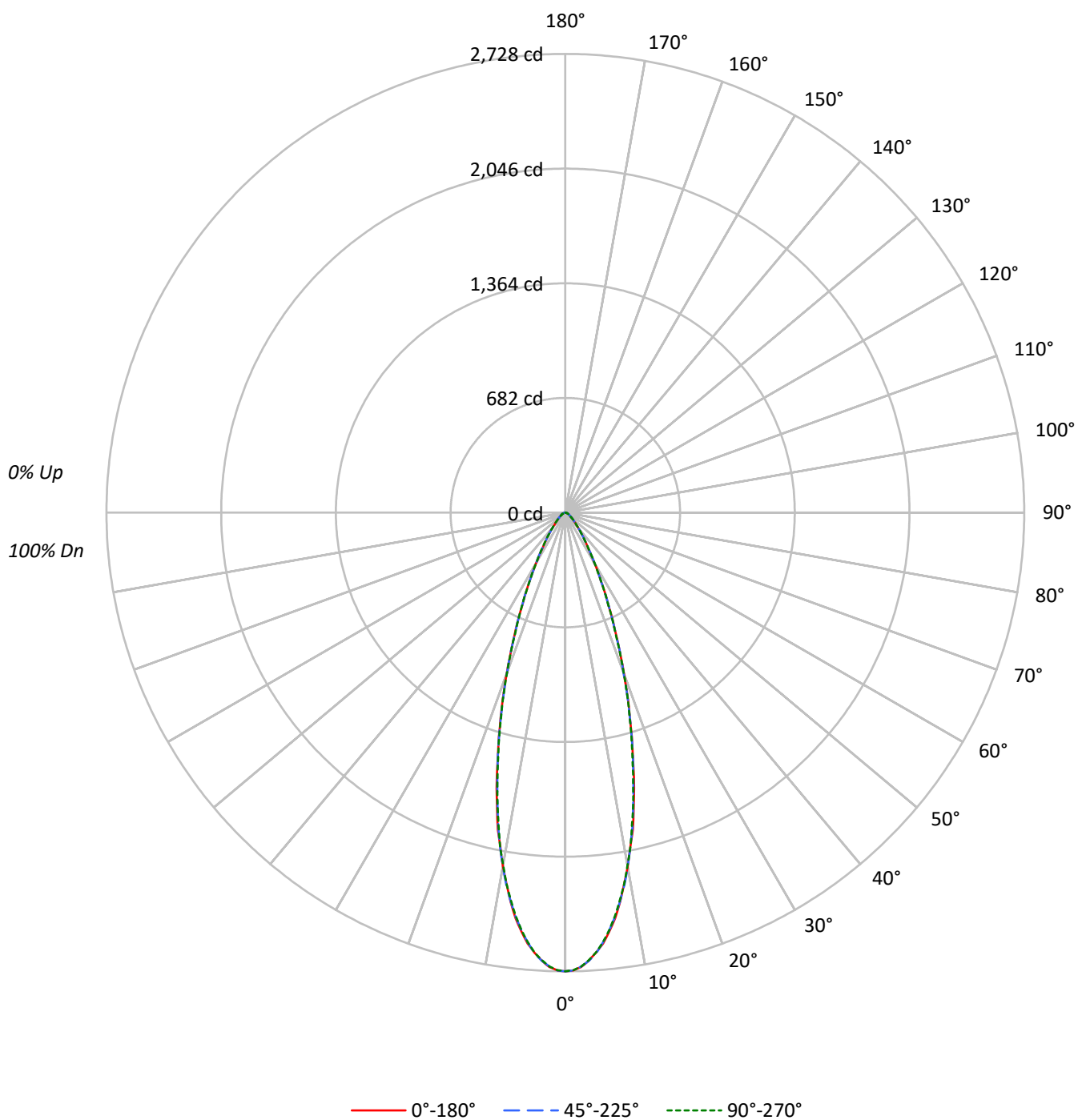
Lumens per Lamp: N/A
Luminaire Lumens: 1198.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	469806	469806	469806
5°	444787	443629	443404
10°	373665	373665	372266
15°	278394	277681	276041
20°	186318	185347	185603
25°	114852	114605	115099
30°	69066	69066	69325
35°	42364	42364	42638
40°	26821	26821	27406
45°	18413	18730	18730
50°	13504	13504	13504
55°	10359	10749	10749
60°	8680	8680	9128
65°	7580	7580	7580
70°	6697	7352	7352
75°	6188	6188	6188
80°	5256	5256	5256
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 18730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	19.3
10°-20°	427.0	35.6
20°-30°	283.8	23.7
30°-40°	131.2	11.0
40°-50°	60.9	5.1
50°-60°	32.6	2.7
60°-70°	19.0	1.6
70°-80°	10.1	0.8
80°-90°	2.2	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°	942.1	78.6
0°-40°	1073.3	89.6
0°-60°	1166.8	97.4
0°-90°	1198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2728	2728	2728	2728	2728	
5°	2573	2568	2566	2573	2565	231
15°	1561	1567	1557	1557	1548	428
25°	604	603	603	603	606	284
35°	202	200	202	203	203	131
45°	76	76	77	77	77	60
55°	34	36	36	36	36	32
65°	19	19	19	19	19	19
75°	9	9	9	9	9	10
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°	2727.9	2727.9	2727.9	2727.9	2727.9
1°	2722.5	2719.9	2722.5	2726.5	2721.2
2°	2704.0	2701.3	2701.3	2706.6	2701.3
3°	2668.2	2670.9	2669.5	2674.8	2665.6
4°	2623.1	2621.8	2627.1	2629.8	2621.8
5°	2572.8	2567.5	2566.1	2572.8	2564.8
6°	2503.8	2499.9	2497.2	2505.2	2494.6
7°	2429.6	2427.0	2423.0	2425.6	2417.7
8°	2338.2	2336.8	2334.2	2336.8	2327.6
9°	2236.1	2236.1	2241.4	2240.1	2234.8
10°	2136.7	2139.3	2136.7	2139.3	2128.7
11°	2025.3	2025.3	2028.0	2026.7	2028.0
12°	1928.6	1918.0	1915.3	1912.7	1904.7
13°	1804.0	1796.0	1793.4	1796.0	1792.1
14°	1690.0	1684.7	1671.4	1674.1	1668.8
15°	1561.4	1566.7	1557.4	1557.4	1548.2
17.5°	1276.4	1271.1	1273.8	1275.1	1271.1
20°	1016.6	1014.0	1011.3	1008.7	1012.7
22.5°	790.0	791.3	788.7	786.0	783.4
25°	604.4	603.1	603.1	603.1	605.7
27.5°	458.6	458.6	458.6	459.9	459.9
30°	347.3	344.6	347.3	348.6	348.6
32.5°	259.8	262.4	263.8	263.8	263.8
35°	201.5	200.1	201.5	202.8	202.8
37.5°	153.8	153.8	155.1	155.1	156.4
40°	119.3	119.3	119.3	120.6	121.9
42.5°	94.1	94.1	95.4	95.4	96.8
45°	75.6	75.6	76.9	76.9	76.9
47.5°	61.0	61.0	62.3	62.3	62.3
50°	50.4	50.4	50.4	50.4	50.4
52.5°	42.4	41.1	42.4	42.4	42.4
55°	34.5	35.8	35.8	35.8	35.8
57.5°	29.2	30.5	30.5	30.5	30.5
60°	25.2	25.2	25.2	26.5	26.5
62.5°	21.2	22.5	22.5	22.5	22.5
65°	18.6	18.6	18.6	18.6	18.6
67.5°	15.9	15.9	15.9	15.9	17.2
70°	13.3	13.3	14.6	14.6	14.6
72.5°	11.9	11.9	11.9	11.9	11.9
75°	9.3	9.3	9.3	9.3	9.3
77.5°	6.6	6.6	8.0	8.0	6.6
80°	5.3	5.3	5.3	5.3	5.3
82.5°	4.0	4.0	4.0	4.0	4.0
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)