

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: P1313548

Luminaire Tested: P3SQAS17R259730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313548
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: P3SQAS17R259730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

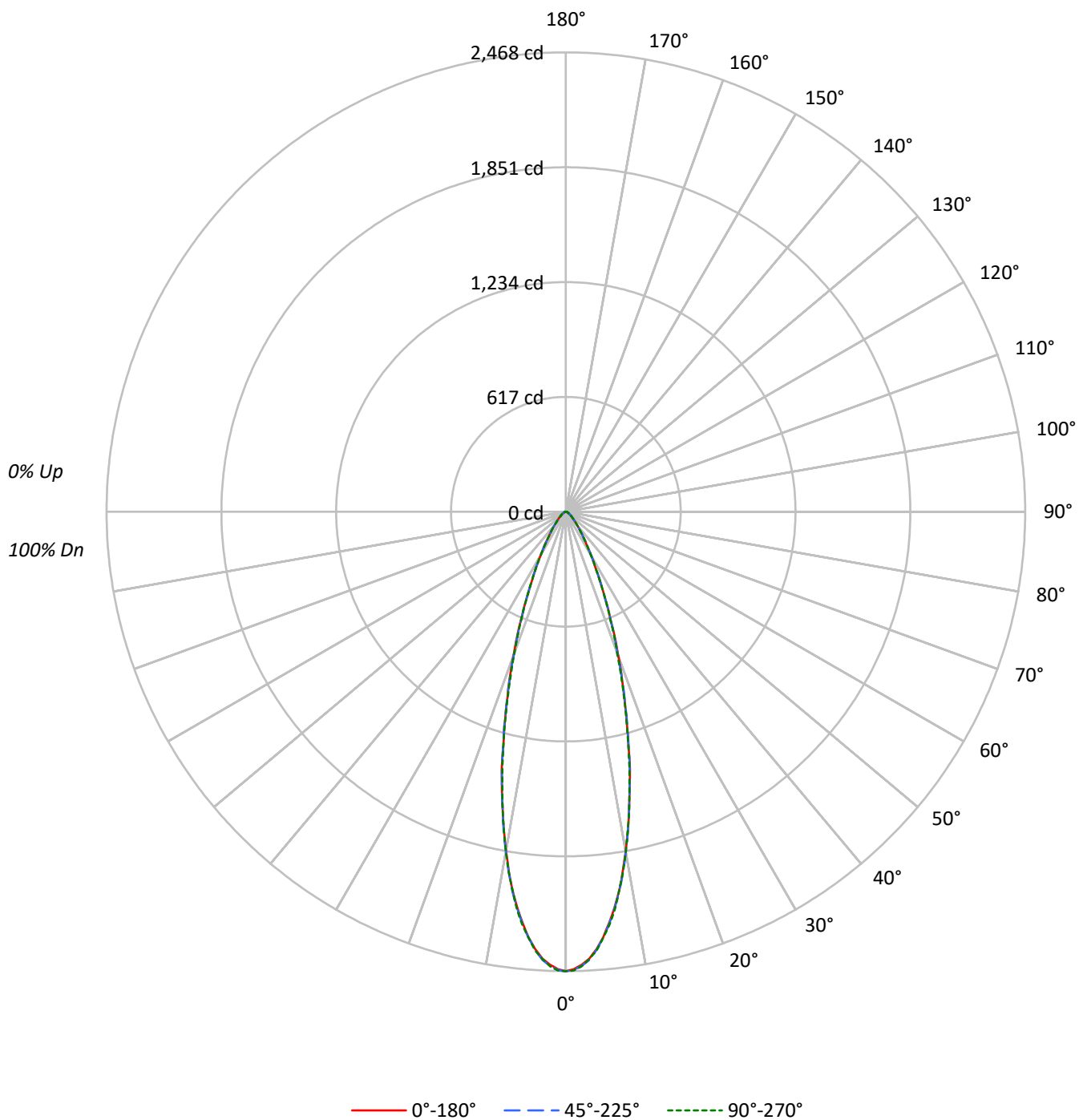
Lumens per Lamp: N/A
Luminaire Lumens: 989.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	425097	425097	425097
5°	396778	397176	397383
10°	323632	324646	324646
15°	231163	232394	231163
20°	151294	149809	147683
25°	89940	90377	89940
30°	54191	54191	53952
35°	33008	33261	33008
40°	21021	21291	21291
45°	14614	14614	14614
50°	10530	10824	10824
55°	8317	8317	8678
60°	6751	7164	7164
65°	6113	6113	6113
70°	5237	5237	5791
75°	4591	4591	5390
80°	4562	4562	4562
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	20.7
10°-20°	357.5	36.2
20°-30°	224.8	22.7
30°-40°	102.8	10.4
40°-50°	48.0	4.9
50°-60°	25.8	2.6
60°-70°	15.2	1.5
70°-80°	7.9	0.8
80°-90°	1.8	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°	787.4	79.6
0°-40°	890.2	90.0
0°-60°	964.1	97.5
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2295	2300	2297	2300	2299	205
15°	1296	1305	1303	1306	1296	358
25°	473	479	476	476	473	225
35°	157	157	158	158	157	103
45°	60	60	60	60	60	48
55°	28	28	28	29	29	25
65°	15	15	15	15	15	15
75°	7	7	7	8	8	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°	2468.3	2468.3	2468.3	2468.3	2468.3
1°	2457.9	2460.2	2462.5	2466.0	2464.8
2°	2434.8	2439.4	2440.6	2445.2	2444.0
3°	2403.6	2402.5	2411.7	2411.7	2405.9
4°	2355.1	2357.4	2359.8	2362.1	2363.2
5°	2295.1	2299.7	2297.4	2299.7	2298.6
6°	2221.2	2228.1	2227.0	2229.3	2232.8
7°	2142.7	2147.3	2147.3	2145.0	2154.3
8°	2057.3	2053.8	2059.6	2057.3	2056.1
9°	1955.7	1962.6	1963.8	1958.0	1960.3
10°	1850.6	1855.2	1856.4	1859.9	1856.4
11°	1746.7	1746.7	1749.0	1754.8	1745.6
12°	1633.6	1644.0	1633.6	1638.2	1633.6
13°	1526.2	1528.5	1526.2	1525.1	1517.0
14°	1424.6	1416.5	1418.9	1409.6	1410.8
15°	1296.5	1304.6	1303.4	1305.7	1296.5
17.5°	1042.5	1047.1	1046.0	1043.6	1032.1
20°	825.5	825.5	817.4	812.8	805.8
22.5°	630.3	628.0	624.6	621.1	623.4
25°	473.3	479.1	475.6	475.6	473.3
27.5°	357.9	364.8	359.0	355.6	357.9
30°	272.5	274.8	272.5	271.3	271.3
32.5°	205.5	206.7	205.5	205.5	205.5
35°	157.0	157.0	158.2	158.2	157.0
37.5°	121.2	121.2	121.2	121.2	122.4
40°	93.5	94.7	94.7	94.7	94.7
42.5°	73.9	75.0	75.0	75.0	75.0
45°	60.0	60.0	60.0	60.0	60.0
47.5°	48.5	48.5	48.5	48.5	49.6
50°	39.3	40.4	40.4	40.4	40.4
52.5°	33.5	33.5	33.5	33.5	33.5
55°	27.7	27.7	27.7	28.9	28.9
57.5°	23.1	23.1	24.2	24.2	24.2
60°	19.6	20.8	20.8	20.8	20.8
62.5°	17.3	17.3	18.5	18.5	18.5
65°	15.0	15.0	15.0	15.0	15.0
67.5°	12.7	12.7	12.7	12.7	13.9
70°	10.4	10.4	10.4	11.5	11.5
72.5°	9.2	9.2	9.2	9.2	9.2
75°	6.9	6.9	6.9	8.1	8.1
77.5°	5.8	5.8	5.8	5.8	5.8
80°	4.6	4.6	4.6	4.6	4.6
82.5°	2.3	2.3	3.5	3.5	3.5
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)