

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: P1315564

Luminaire Tested: P3SQAS17R559740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

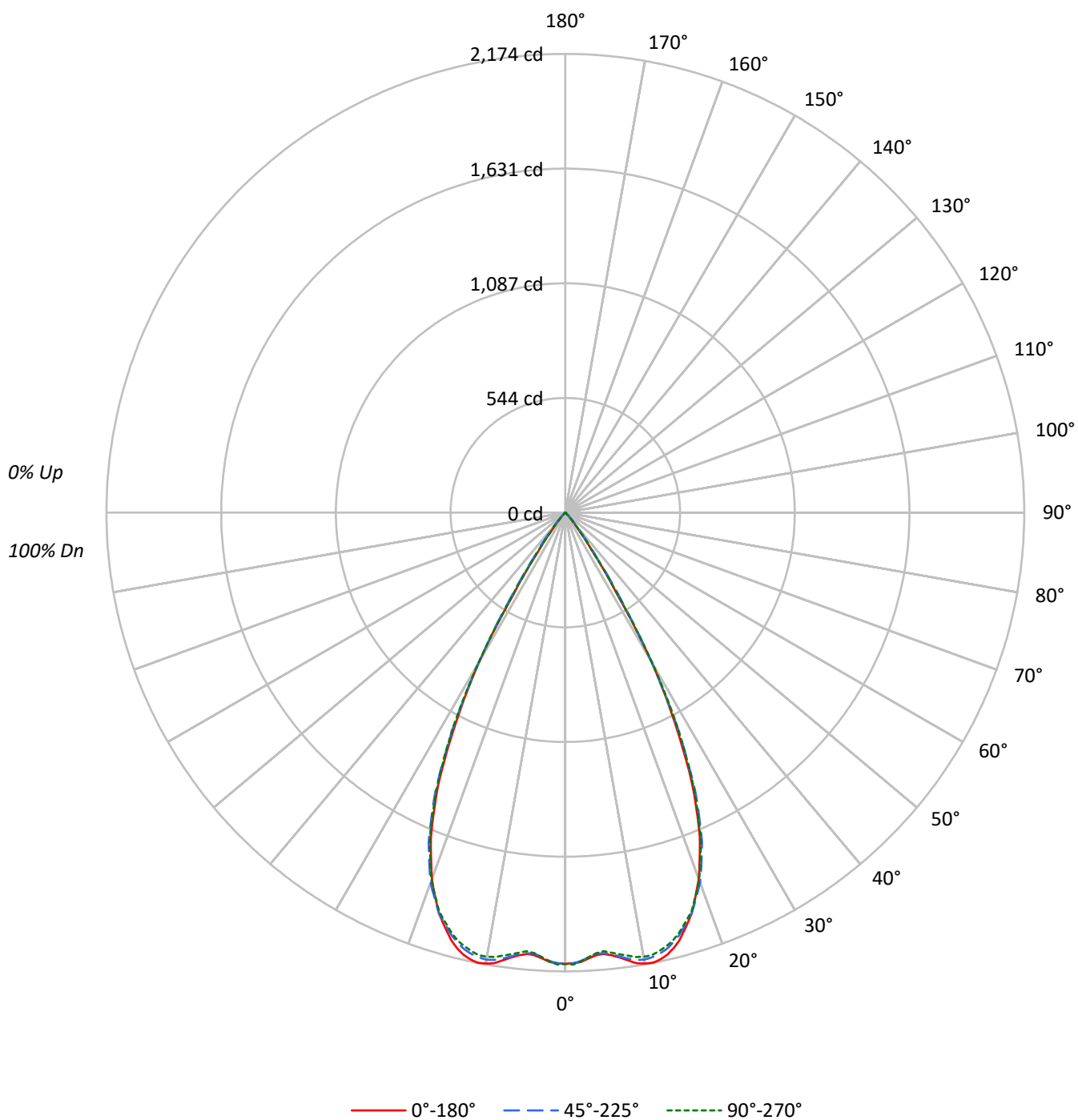
Lumens per Lamp: N/A
Luminaire Lumens: 1639.9 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	368315	368315	368315
5°	363032	362392	360663
10°	379453	376183	373787
15°	373534	370200	368631
20°	338711	342139	339610
25°	270845	276527	273923
30°	162433	162433	164422
35°	46927	55589	48504
40°	13467	18233	13467
45°	3044	6990	3044
50°	1340	2331	991
55°	1111	1111	1111
60°	1274	1274	1274
65°	1019	1019	1019
70°	1259	1259	1259
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6990 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	12.4
10°-20°	578.0	35.2
20°-30°	636.8	38.8
30°-40°	194.8	11.9
40°-50°	19.3	1.2
50°-60°	3.5	0.2
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.5	0.0
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°	1417.5	86.4
0°-40°	1612.2	98.3
0°-60°	1635.1	99.7
0°-90°	1639.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2139	2139	2139	2139	2139	
5°	2100	2100	2096	2090	2086	204
15°	2095	2091	2076	2068	2068	581
25°	1425	1439	1455	1469	1442	628
35°	223	234	264	243	231	183
45°	12	19	29	19	12	15
55°	4	4	4	4	4	3
65°	2	2	2	2	2	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2138.6	2138.6	2138.6	2138.6	2138.6
1°	2136.1	2137.4	2136.1	2133.6	2142.3
2°	2131.1	2129.9	2126.1	2124.9	2128.6
3°	2114.9	2114.9	2109.9	2107.4	2108.7
4°	2102.4	2102.4	2095.0	2092.5	2093.7
5°	2099.9	2099.9	2096.2	2090.0	2086.2
6°	2109.9	2112.4	2103.7	2097.5	2097.5
7°	2124.9	2126.1	2119.9	2111.2	2108.7
8°	2143.6	2144.8	2134.9	2124.9	2119.9
9°	2162.3	2159.8	2146.1	2136.1	2132.4
10°	2169.8	2168.5	2151.1	2141.1	2137.4
11°	2173.5	2167.3	2147.3	2138.6	2137.4
12°	2164.8	2159.8	2138.6	2129.9	2126.1
13°	2149.8	2142.3	2124.9	2116.2	2111.2
14°	2126.1	2118.6	2102.4	2092.5	2093.7
15°	2095.0	2091.2	2076.3	2067.5	2067.5
17.5°	1991.5	1994.0	1990.2	1986.5	1984.0
20°	1848.1	1858.0	1866.8	1861.8	1853.0
22.5°	1664.7	1682.2	1692.2	1694.7	1678.5
25°	1425.3	1439.0	1455.2	1469.0	1441.5
27.5°	1127.3	1139.8	1154.7	1163.4	1159.7
30°	816.8	818.0	816.8	833.0	826.8
32.5°	453.9	491.3	497.6	508.8	468.9
35°	223.2	234.4	264.4	243.2	230.7
37.5°	107.2	114.7	143.4	117.2	112.2
40°	59.9	64.8	81.1	67.3	59.9
42.5°	28.7	37.4	43.6	38.7	28.7
45°	12.5	18.7	28.7	18.7	12.5
47.5°	5.0	7.5	17.5	7.5	5.0
50°	5.0	3.7	8.7	3.7	3.7
52.5°	3.7	3.7	5.0	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	2.5	3.7	3.7	3.7	2.5
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5
72.5°	1.2	2.5	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0
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)