

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: P1317327

Luminaire Tested: P3SQAS17R559830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317327
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: P3SQAS17R559830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

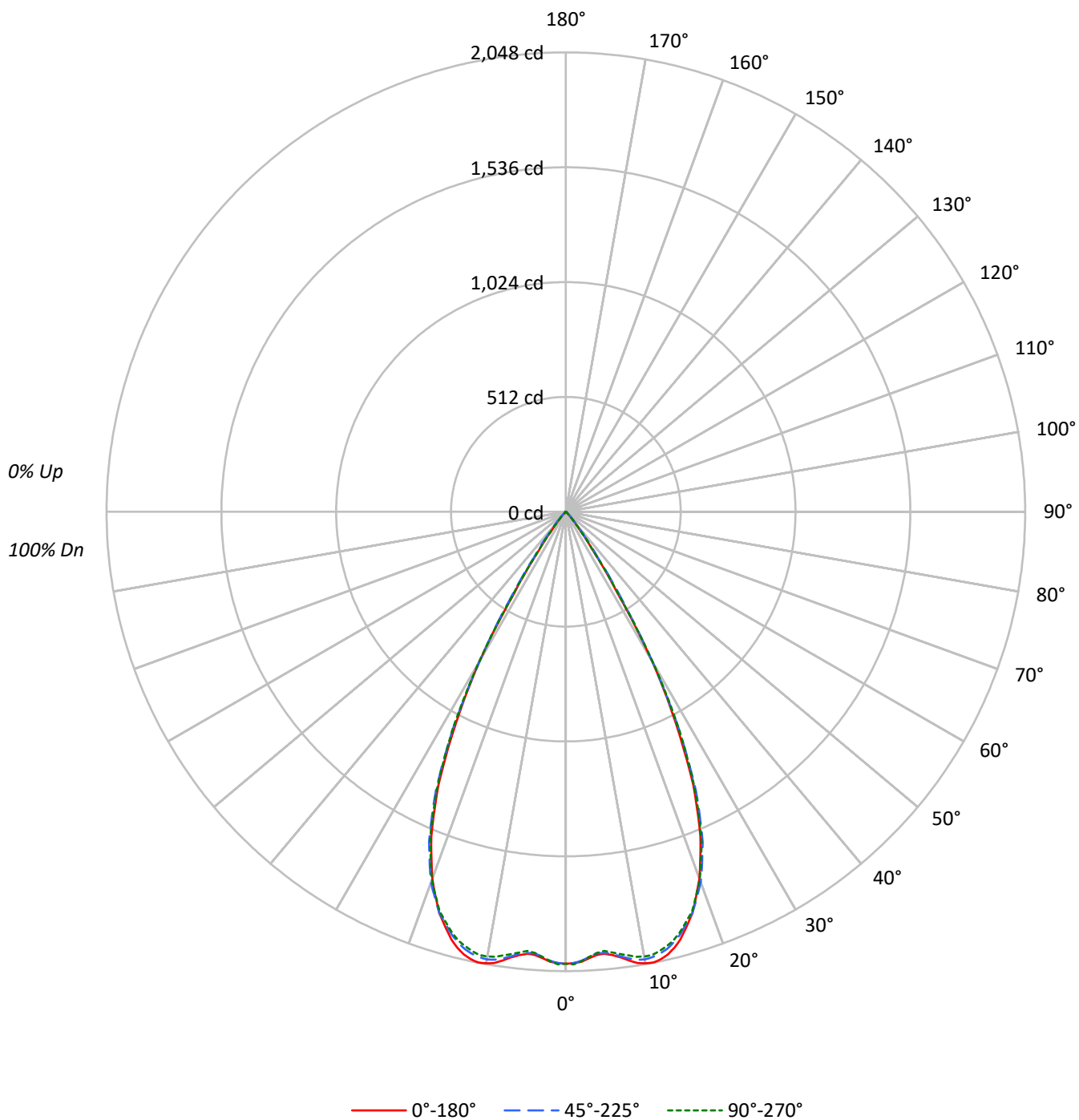
Lumens per Lamp: N/A
Luminaire Lumens: 1544.9 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	346977	346977	346977
5°	342009	341404	339779
10°	357471	354393	352120
15°	351889	348751	347289
20°	319083	322308	319944
25°	255168	260508	258056
30°	153027	153027	154896
35°	44215	52351	45686
40°	12680	17176	12680
45°	2850	6576	2850
50°	1259	2197	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	937	937	937
70°	1158	1158	1158
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	12.4
10°-20°	544.5	35.2
20°-30°	599.9	38.8
30°-40°	183.5	11.9
40°-50°	18.1	1.2
50°-60°	3.3	0.2
60°-70°	2.6	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°	1335.4	86.4
0°-40°	1518.8	98.3
0°-60°	1540.3	99.7
0°-90°	1544.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2015	2015	2015	2015	2015	
5°	1978	1978	1975	1969	1965	192
15°	1974	1970	1956	1948	1948	547
25°	1343	1356	1371	1384	1358	592
35°	210	221	249	229	217	172
45°	12	18	27	18	12	14
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
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°	2014.7	2014.7	2014.7	2014.7	2014.7
1°	2012.4	2013.5	2012.4	2010.0	2018.2
2°	2007.7	2006.5	2003.0	2001.8	2005.3
3°	1992.4	1992.4	1987.7	1985.4	1986.5
4°	1980.7	1980.7	1973.6	1971.3	1972.4
5°	1978.3	1978.3	1974.8	1968.9	1965.4
6°	1987.7	1990.0	1981.8	1976.0	1976.0
7°	2001.8	2003.0	1997.1	1988.9	1986.5
8°	2019.4	2020.6	2011.2	2001.8	1997.1
9°	2037.0	2034.7	2021.8	2012.4	2008.8
10°	2044.1	2042.9	2026.5	2017.1	2013.5
11°	2047.6	2041.7	2022.9	2014.7	2013.5
12°	2039.4	2034.7	2014.7	2006.5	2003.0
13°	2025.3	2018.2	2001.8	1993.6	1988.9
14°	2003.0	1995.9	1980.7	1971.3	1972.4
15°	1973.6	1970.1	1956.0	1947.8	1947.8
17.5°	1876.1	1878.4	1874.9	1871.4	1869.0
20°	1741.0	1750.4	1758.6	1753.9	1745.7
22.5°	1568.3	1584.8	1594.2	1596.5	1581.2
25°	1342.8	1355.7	1370.9	1383.9	1358.0
27.5°	1062.0	1073.7	1087.8	1096.1	1092.5
30°	769.5	770.6	769.5	784.7	778.9
32.5°	427.6	462.9	468.7	479.3	441.7
35°	210.3	220.9	249.0	229.1	217.3
37.5°	101.0	108.1	135.1	110.4	105.7
40°	56.4	61.1	76.4	63.4	56.4
42.5°	27.0	35.2	41.1	36.4	27.0
45°	11.7	17.6	27.0	17.6	11.7
47.5°	4.7	7.0	16.4	7.0	4.7
50°	4.7	3.5	8.2	3.5	3.5
52.5°	3.5	3.5	4.7	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5
62.5°	2.3	3.5	3.5	3.5	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.2	2.3	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)