

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: P1318037

Luminaire Tested: P3SQAS13R459835DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459835DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

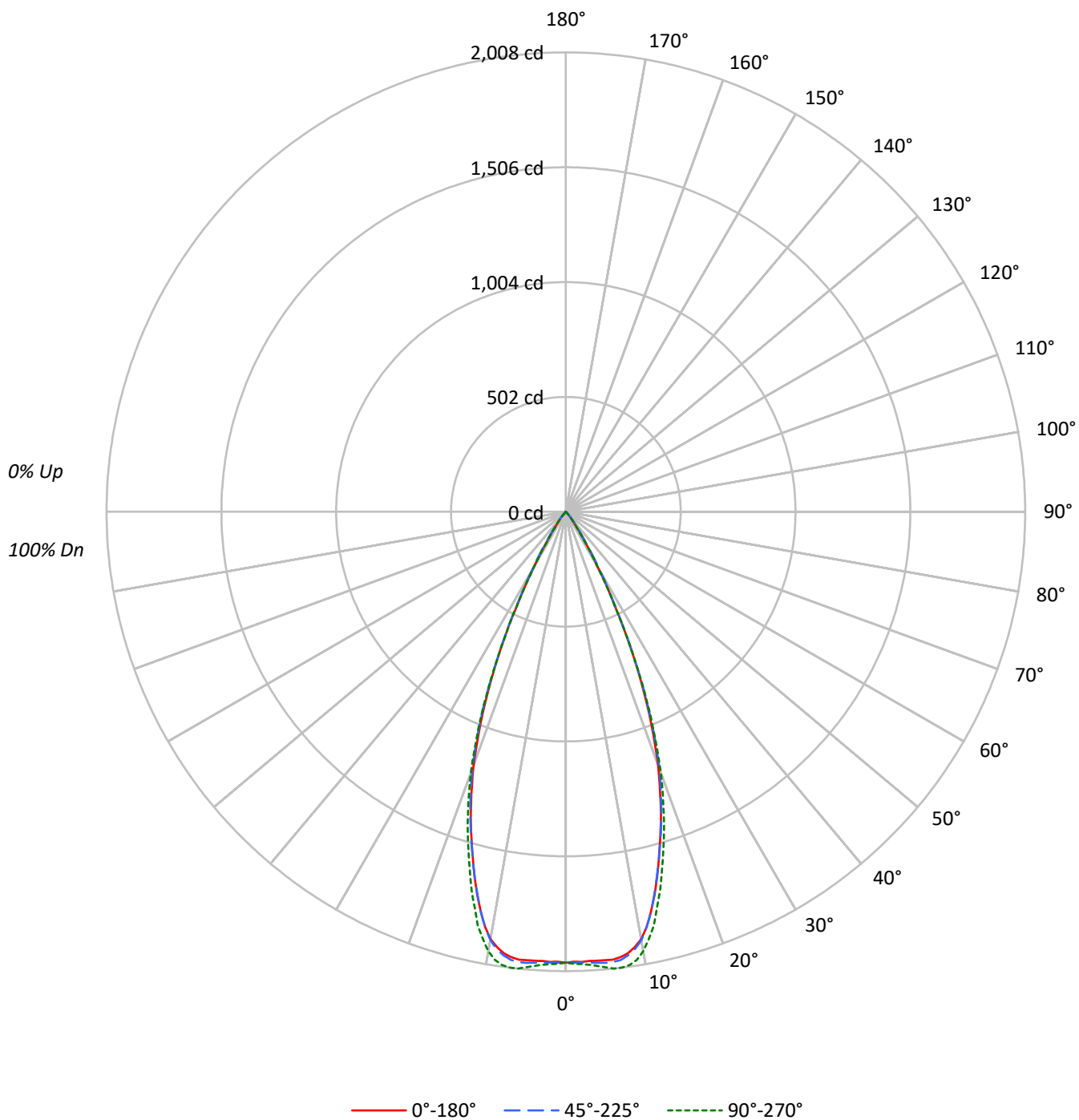
Lumens per Lamp: N/A
Luminaire Lumens: 1019.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

TEST NUMBER: P1318037

CATALOG NUMBER: P3SQAS13R459835DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1318037

CATALOG NUMBER: P3SQAS13R459835DE010 E3SQCD1MB

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	339434	339434	339434
5°	340212	342182	345588
10°	331694	332358	341102
15°	279839	279964	289146
20°	216009	219069	222680
25°	134007	134159	135014
30°	55285	58745	54370
35°	17198	21025	16567
40°	5283	7329	4946
45°	365	2777	365
50°	0	402	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2777 cd/sqm

TEST NUMBER: P1318037

CATALOG NUMBER: P3SQAS13R459835DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	18.4
10°-20°	436.1	42.8
20°-30°	319.9	31.4
30°-40°	68.8	6.7
40°-50°	6.5	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	943.7	92.6
0°-40°	1012.4	99.4
0°-60°	1019.0	100.0
0°-90°	1019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1971	1971	1971	1971	1971	
5°	1968	1973	1979	1993	1999	186
15°	1570	1566	1570	1595	1622	432
25°	705	703	706	706	710	316
35°	82	88	100	86	79	64
45°	2	4	11	4	2	4
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1318037

CATALOG NUMBER: P3SQAS13R459835DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.9	1970.9	1970.9	1970.9	1970.9
1°	1967.1	1971.7	1971.7	1974.7	1976.2
2°	1968.7	1971.7	1970.9	1976.2	1978.5
3°	1966.4	1971.7	1973.2	1979.3	1983.0
4°	1967.1	1971.7	1976.2	1985.3	1990.6
5°	1967.9	1973.2	1979.3	1992.9	1999.0
6°	1968.7	1972.4	1979.3	1996.7	2008.0
7°	1961.1	1966.4	1974.0	1995.9	2008.0
8°	1949.0	1952.0	1958.0	1986.8	2001.2
9°	1926.2	1925.5	1934.6	1966.4	1983.0
10°	1896.7	1887.6	1900.5	1932.3	1950.5
11°	1849.0	1839.1	1850.5	1884.6	1902.0
12°	1786.9	1786.9	1789.1	1819.4	1849.7
13°	1721.0	1713.4	1717.9	1752.0	1773.2
14°	1648.2	1640.7	1645.2	1671.0	1704.3
15°	1569.5	1566.4	1570.2	1595.2	1621.7
17.5°	1382.4	1375.6	1389.2	1414.2	1427.8
20°	1178.6	1190.0	1195.3	1211.2	1215.0
22.5°	944.6	956.7	964.3	966.5	968.8
25°	705.2	702.9	706.0	706.0	710.5
27.5°	463.6	463.6	471.9	466.6	461.3
30°	278.0	289.4	295.4	285.6	273.4
32.5°	151.5	162.9	172.7	158.3	147.7
35°	81.8	87.9	100.0	85.6	78.8
37.5°	44.7	50.0	57.6	48.5	44.7
40°	23.5	28.8	32.6	28.8	22.0
42.5°	7.6	14.4	18.9	14.4	6.8
45°	1.5	4.5	11.4	4.5	1.5
47.5°	0.0	0.8	5.3	0.8	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318037

CATALOG NUMBER: P3SQAS13R459835DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)