

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: P1308540

Luminaire Tested: P3SQAS24R709030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

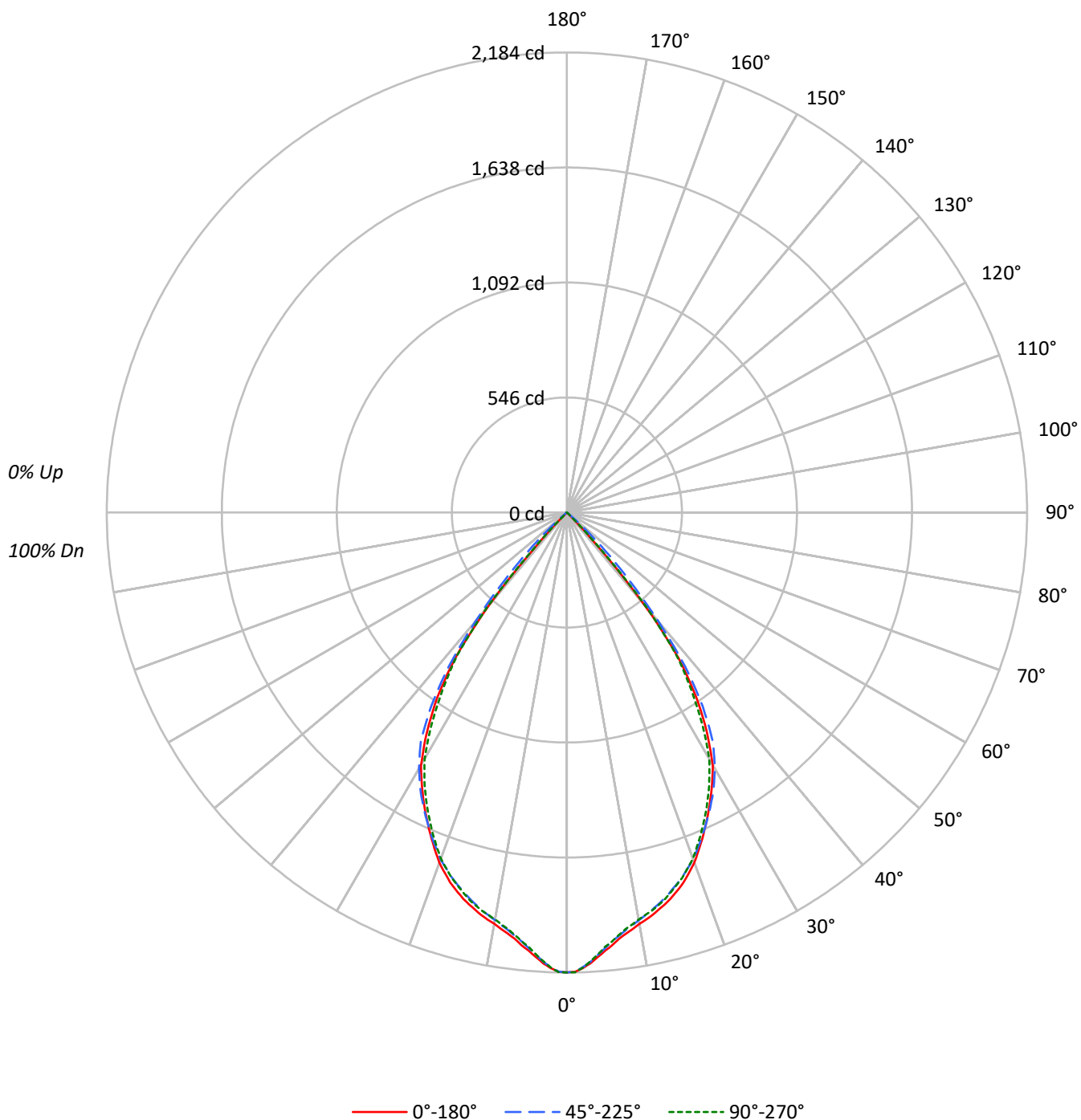
Lumens per Lamp: N/A
Luminaire Lumens: 2259.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1308540

CATALOG NUMBER: P3SQAS24R709030D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308540

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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	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	376048	376048	376048
5°	360974	358986	358001
10°	346768	343761	343096
15°	338570	333792	334487
20°	324214	321062	320366
25°	300945	301667	296955
30°	275429	279227	268588
35°	225320	236168	216489
40°	129699	151169	133139
45°	1851	62814	6503
50°	0	6645	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: 62814 cd/sqm

TEST NUMBER: P1308540

CATALOG NUMBER: P3SQAS24R709030D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	8.6
10°-20°	527.9	23.4
20°-30°	725.2	32.1
30°-40°	657.5	29.1
40°-50°	152.8	6.8
50°-60°	0.8	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°	1447.9	64.1
0°-40°	2105.4	93.2
0°-60°	2259.0	100.0
0°-90°	2259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	2088	2082	2076	2073	2071	196
15°	1899	1886	1872	1872	1876	533
25°	1584	1591	1588	1572	1563	727
35°	1072	1087	1123	1076	1030	644
45°	8	86	258	111	27	92
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: P1308540

CATALOG NUMBER: P3SQAS24R709030D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2183.5	2183.5	2183.5	2183.5	2183.5
1°	2181.6	2177.8	2179.7	2181.6	2183.5
2°	2164.4	2160.6	2160.6	2162.5	2162.5
3°	2143.4	2135.8	2135.8	2133.8	2133.8
4°	2114.7	2109.0	2105.2	2103.3	2103.3
5°	2088.0	2082.3	2076.5	2072.7	2070.8
6°	2065.1	2055.5	2047.9	2046.0	2047.9
7°	2038.3	2032.6	2025.0	2019.2	2021.1
8°	2019.2	2011.6	2002.0	1998.2	1998.2
9°	2002.0	1994.4	1984.8	1977.2	1981.0
10°	1982.9	1975.3	1965.7	1960.0	1961.9
11°	1969.6	1960.0	1948.5	1944.7	1946.6
12°	1954.3	1942.8	1931.4	1929.4	1933.3
13°	1935.2	1923.7	1912.3	1912.3	1916.1
14°	1918.0	1904.6	1893.1	1893.1	1898.9
15°	1898.9	1885.5	1872.1	1872.1	1876.0
17.5°	1841.6	1830.1	1816.7	1816.7	1818.6
20°	1769.0	1763.2	1751.8	1746.1	1748.0
22.5°	1677.3	1677.3	1671.5	1662.0	1658.2
25°	1583.7	1591.3	1587.5	1572.2	1562.7
27.5°	1486.2	1499.6	1501.5	1478.6	1461.4
30°	1385.0	1396.5	1404.1	1377.4	1350.6
32.5°	1236.0	1270.4	1289.5	1253.2	1197.8
35°	1071.7	1087.0	1123.3	1075.5	1029.7
37.5°	871.1	890.2	920.8	882.6	855.8
40°	576.9	653.3	672.4	653.3	592.2
42.5°	208.2	366.8	441.3	374.4	244.5
45°	7.6	86.0	257.9	110.8	26.7
47.5°	0.0	1.9	116.5	3.8	0.0
50°	0.0	0.0	24.8	0.0	0.0
52.5°	0.0	0.0	1.9	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: P1308540
CATALOG NUMBER: P3SQAS24R709030D010 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)