

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: P1311382

Luminaire Tested: P3SQAS13R559050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

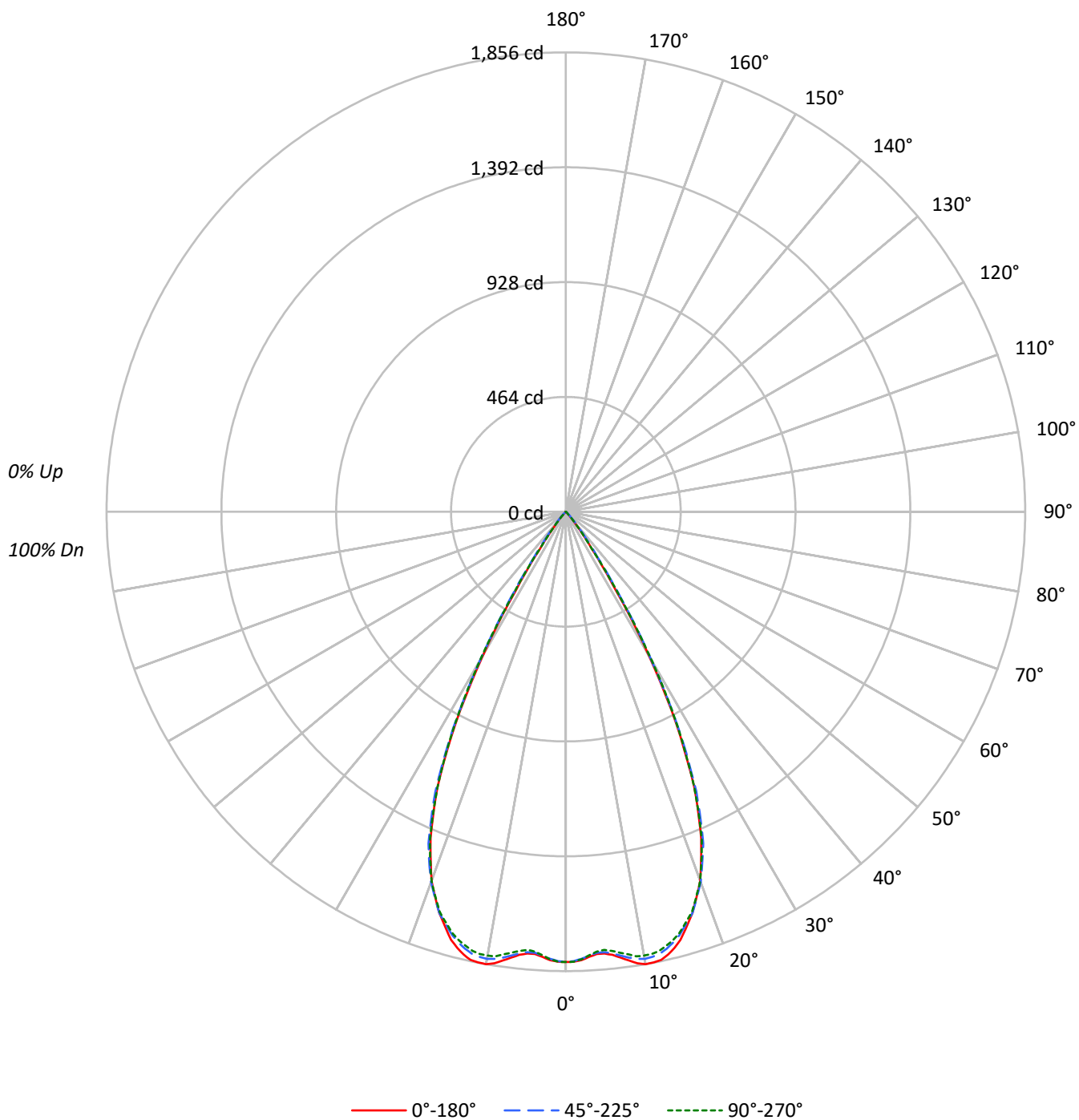
Lumens per Lamp: N/A
Luminaire Lumens: 1383.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1311382

CATALOG NUMBER: P3SQAS13R559050DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311382

CATALOG NUMBER: P3SQAS13R559050DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	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	99	94	91	103	97	93	90	95	91	89		92	90	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	313290	313290	313290
5°	309715	308799	307140
10°	324629	320729	318490
15°	319225	315819	314696
20°	290785	291940	290968
25°	233277	236906	233277
30°	133896	137277	138331
35°	38180	46002	39295
40°	9780	14096	10027
45°	1023	4920	779
50°	0	857	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: 4920 cd/sqm

TEST NUMBER: P1311382

CATALOG NUMBER: P3SQAS13R559050DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	12.5
10°-20°	492.9	35.6
20°-30°	542.9	39.3
30°-40°	162.1	11.7
40°-50°	12.4	0.9
50°-60°	0.1	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°	1208.4	87.4
0°-40°	1370.5	99.1
0°-60°	1383.0	100.0
0°-90°	1383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1819	1819	1819	1819	1819	
5°	1792	1788	1786	1779	1777	174
15°	1790	1778	1771	1764	1765	496
25°	1228	1228	1247	1245	1228	537
35°	182	193	219	200	187	150
45°	4	11	20	11	3	8
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: P1311382

CATALOG NUMBER: P3SQAS13R559050DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1819.1	1819.1	1819.1	1819.1	1819.1
1°	1818.1	1818.1	1815.9	1814.9	1818.1
2°	1812.8	1812.8	1807.4	1806.4	1809.6
3°	1801.1	1800.0	1795.8	1792.6	1794.7
4°	1791.5	1789.4	1786.2	1780.9	1782.0
5°	1791.5	1788.3	1786.2	1778.8	1776.6
6°	1800.0	1797.9	1793.6	1786.2	1784.1
7°	1814.9	1810.6	1806.4	1796.8	1794.7
8°	1830.8	1827.6	1819.1	1809.6	1805.3
9°	1846.7	1839.3	1828.7	1819.1	1818.1
10°	1856.3	1845.7	1834.0	1822.3	1821.2
11°	1855.2	1845.7	1831.9	1821.2	1820.2
12°	1851.0	1837.2	1825.5	1812.8	1813.8
13°	1836.1	1823.4	1811.7	1802.1	1800.0
14°	1815.9	1804.3	1793.6	1784.1	1785.1
15°	1790.4	1777.7	1771.3	1763.9	1765.0
17.5°	1700.2	1697.0	1700.2	1691.7	1694.9
20°	1586.6	1583.4	1592.9	1588.7	1587.6
22.5°	1428.3	1432.6	1450.6	1445.3	1435.8
25°	1227.6	1227.6	1246.7	1244.6	1227.6
27.5°	966.4	973.8	985.5	990.8	978.1
30°	673.3	690.3	690.3	700.9	695.6
32.5°	375.9	412.0	420.5	425.8	404.6
35°	181.6	193.3	218.8	199.6	186.9
37.5°	87.1	92.4	117.9	95.6	89.2
40°	43.5	49.9	62.7	52.0	44.6
42.5°	18.1	26.5	32.9	26.5	18.1
45°	4.2	10.6	20.2	10.6	3.2
47.5°	0.0	1.1	9.6	2.1	0.0
50°	0.0	0.0	3.2	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: P1311382
CATALOG NUMBER: P3SQAS13R559050DE010 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)