

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: P1305909

Luminaire Tested: P3SQAS13R259024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259024DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

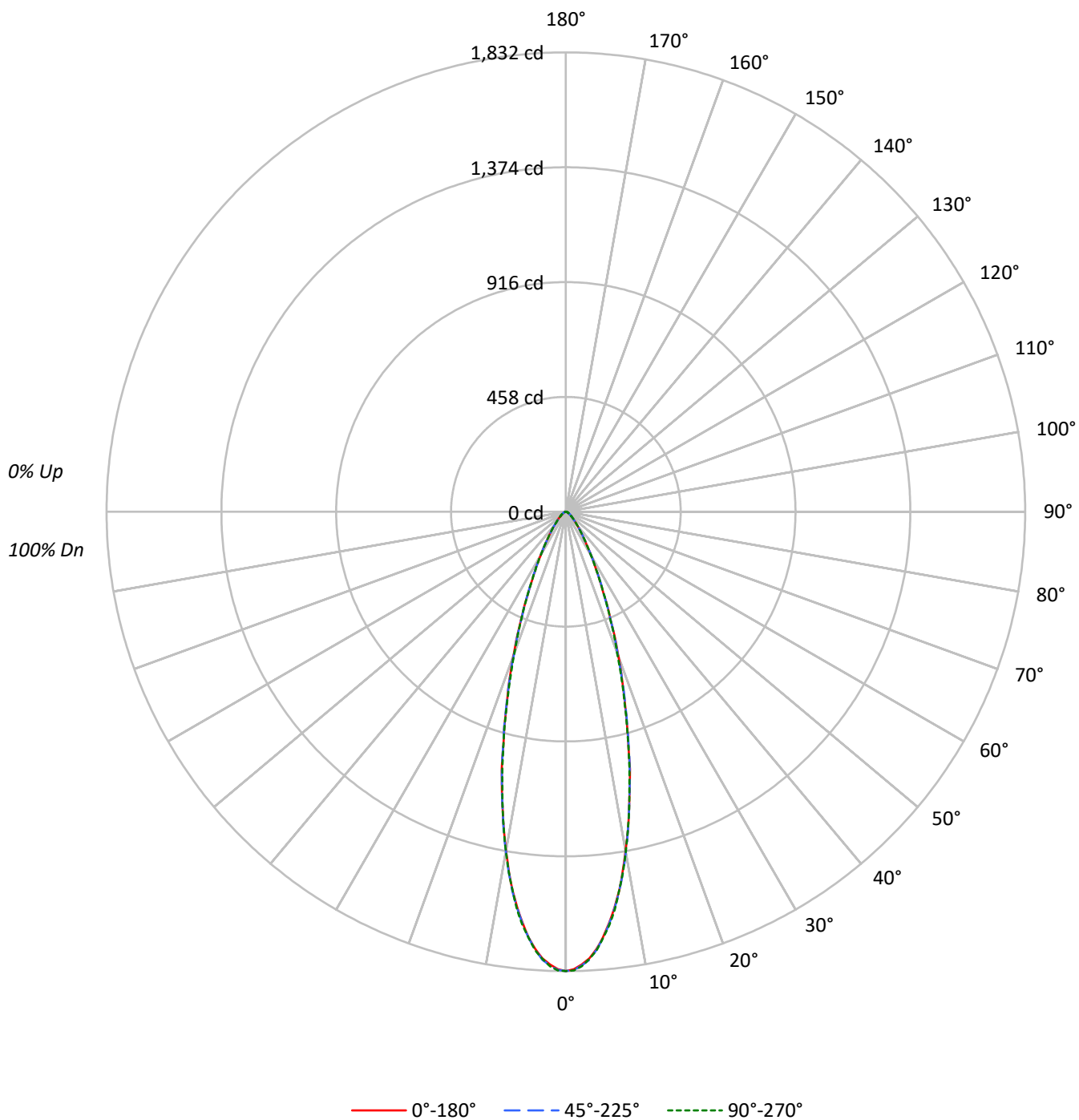
Lumens per Lamp: N/A
Luminaire Lumens: 734.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305909

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305909

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPHL1MW

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	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	315495	315495	315495
5°	294467	294779	294917
10°	240197	240949	240949
15°	171558	172468	171558
20°	112275	111175	109617
25°	66756	67079	66756
30°	40211	40211	40052
35°	24494	24683	24494
40°	15603	15805	15805
45°	10863	10863	10863
50°	7797	8038	8038
55°	6185	6185	6426
60°	5029	5304	5304
65°	4523	4523	4523
70°	3877	3877	4330
75°	3394	3394	3993
80°	3372	3372	3372
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10863 cd/sqm

TEST NUMBER: P1305909

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	20.7
10°-20°	265.3	36.1
20°-30°	166.8	22.7
30°-40°	76.3	10.4
40°-50°	35.7	4.9
50°-60°	19.2	2.6
60°-70°	11.3	1.5
70°-80°	5.9	0.8
80°-90°	1.3	0.2
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°	584.4	79.6
0°-40°	660.7	90.0
0°-60°	715.5	97.5
0°-90°	734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1832	1832	1832	1832	1832	
5°	1703	1707	1705	1707	1706	152
15°	962	968	967	969	962	265
25°	351	356	353	353	351	167
35°	116	116	117	117	116	76
45°	45	45	45	45	45	35
55°	21	21	21	21	21	19
65°	11	11	11	11	11	11
75°	5	5	5	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1305909

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1831.9	1831.9	1831.9	1831.9	1831.9
1°	1824.2	1825.9	1827.6	1830.2	1829.3
2°	1807.0	1810.4	1811.3	1814.7	1813.9
3°	1783.9	1783.0	1789.9	1789.9	1785.6
4°	1747.9	1749.6	1751.3	1753.0	1753.9
5°	1703.3	1706.8	1705.1	1706.8	1705.9
6°	1648.5	1653.6	1652.8	1654.5	1657.1
7°	1590.2	1593.7	1593.7	1592.0	1598.8
8°	1526.8	1524.3	1528.6	1526.8	1526.0
9°	1451.4	1456.6	1457.4	1453.2	1454.9
10°	1373.5	1376.9	1377.8	1380.3	1377.8
11°	1296.4	1296.4	1298.1	1302.4	1295.5
12°	1212.4	1220.1	1212.4	1215.8	1212.4
13°	1132.7	1134.4	1132.7	1131.8	1125.9
14°	1057.3	1051.3	1053.0	1046.2	1047.0
15°	962.2	968.2	967.3	969.1	962.2
17.5°	773.7	777.1	776.3	774.6	766.0
20°	612.6	612.6	606.6	603.2	598.1
22.5°	467.8	466.1	463.5	461.0	462.7
25°	351.3	355.6	353.0	353.0	351.3
27.5°	265.6	270.8	266.5	263.9	265.6
30°	202.2	203.9	202.2	201.4	201.4
32.5°	152.5	153.4	152.5	152.5	152.5
35°	116.5	116.5	117.4	117.4	116.5
37.5°	90.0	90.0	90.0	90.0	90.8
40°	69.4	70.3	70.3	70.3	70.3
42.5°	54.8	55.7	55.7	55.7	55.7
45°	44.6	44.6	44.6	44.6	44.6
47.5°	36.0	36.0	36.0	36.0	36.8
50°	29.1	30.0	30.0	30.0	30.0
52.5°	24.8	24.8	24.8	24.8	24.8
55°	20.6	20.6	20.6	21.4	21.4
57.5°	17.1	17.1	18.0	18.0	18.0
60°	14.6	15.4	15.4	15.4	15.4
62.5°	12.9	12.9	13.7	13.7	13.7
65°	11.1	11.1	11.1	11.1	11.1
67.5°	9.4	9.4	9.4	9.4	10.3
70°	7.7	7.7	7.7	8.6	8.6
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.1	5.1	5.1	6.0	6.0
77.5°	4.3	4.3	4.3	4.3	4.3
80°	3.4	3.4	3.4	3.4	3.4
82.5°	1.7	1.7	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1305909

CATALOG NUMBER: P3SQAS13R259024DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)