

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: P1317108

Luminaire Tested: P3SQAS13R259830DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317108
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: P3SQAS13R259830DE010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

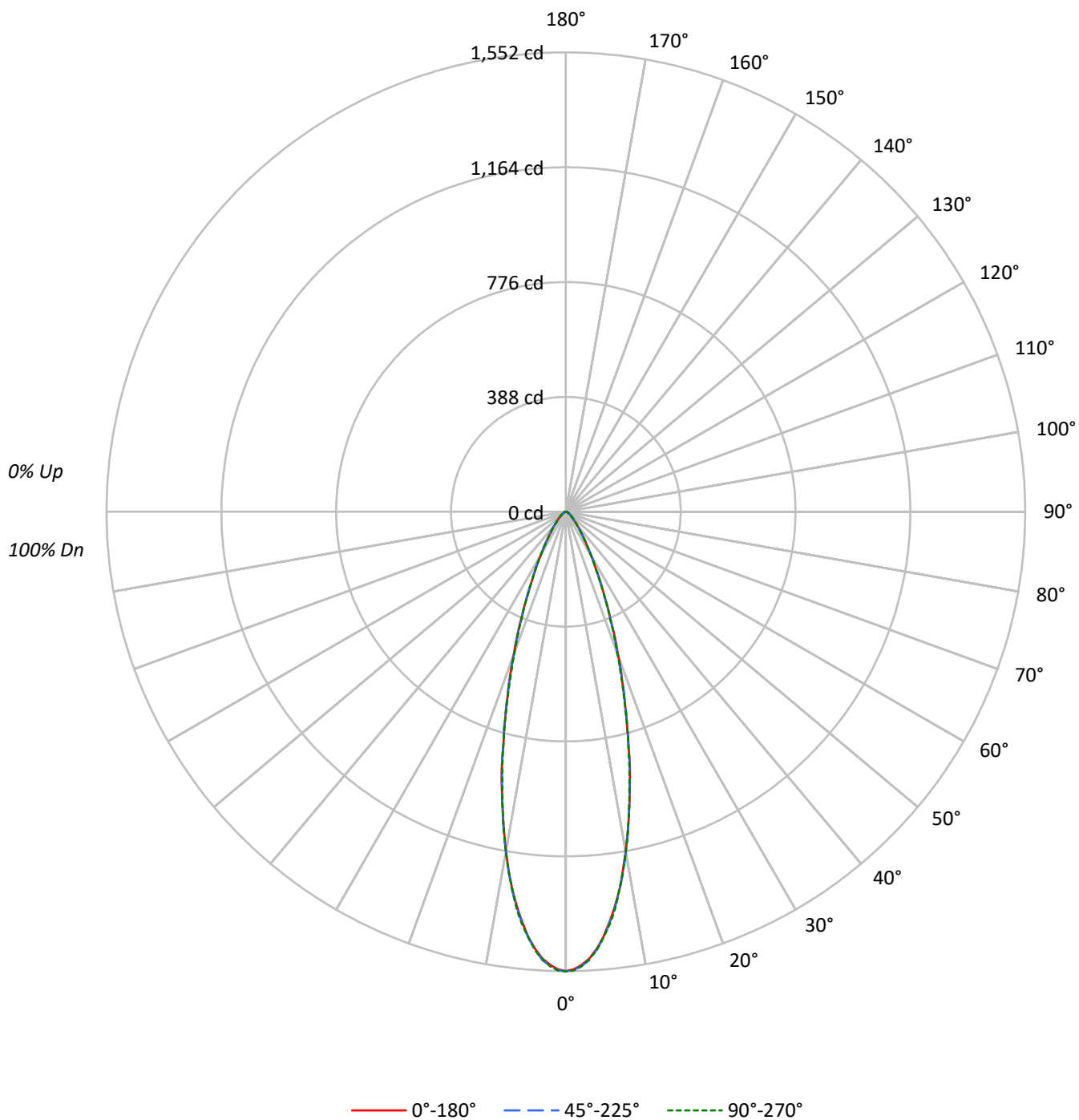
Lumens per Lamp: N/A
Luminaire Lumens: 622.0 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1317108

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317108

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHL1MMS

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°	267341	267341	267341
5°	249536	249795	249916
10°	203542	204172	204172
15°	145384	146151	145384
20°	95138	94222	92884
25°	56571	56837	56571
30°	34086	34086	33926
35°	20751	20919	20751
40°	13219	13377	13377
45°	9207	9207	9207
50°	6618	6805	6805
55°	5225	5225	5465
60°	4237	4512	4512
65°	3831	3831	3831
70°	3273	3273	3676
75°	2928	2928	3394
80°	2876	2876	2876
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9207 cd/sqm

TEST NUMBER: P1317108

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	20.7
10°-20°	224.9	36.2
20°-30°	141.4	22.7
30°-40°	64.7	10.4
40°-50°	30.2	4.9
50°-60°	16.2	2.6
60°-70°	9.6	1.5
70°-80°	5.0	0.8
80°-90°	1.1	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°	495.2	79.6
0°-40°	559.9	90.0
0°-60°	606.3	97.5
0°-90°	622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1552	1552	1552	1552	1552	
5°	1443	1446	1445	1446	1446	129
15°	815	820	820	821	815	225
25°	298	301	299	299	298	142
35°	99	99	100	100	99	64
45°	38	38	38	38	38	30
55°	17	17	17	18	18	16
65°	9	9	9	9	9	9
75°	4	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1317108

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1552.3	1552.3	1552.3	1552.3	1552.3
1°	1545.8	1547.3	1548.7	1550.9	1550.2
2°	1531.3	1534.2	1534.9	1537.8	1537.1
3°	1511.7	1511.0	1516.8	1516.8	1513.1
4°	1481.2	1482.6	1484.1	1485.5	1486.3
5°	1443.4	1446.3	1444.9	1446.3	1445.6
6°	1397.0	1401.3	1400.6	1402.0	1404.2
7°	1347.6	1350.5	1350.5	1349.0	1354.9
8°	1293.9	1291.7	1295.3	1293.9	1293.1
9°	1230.0	1234.3	1235.0	1231.4	1232.9
10°	1163.9	1166.8	1167.5	1169.7	1167.5
11°	1098.5	1098.5	1100.0	1103.6	1097.8
12°	1027.4	1033.9	1027.4	1030.3	1027.4
13°	959.9	961.3	959.9	959.1	954.1
14°	896.0	890.9	892.3	886.5	887.3
15°	815.4	820.5	819.7	821.2	815.4
17.5°	655.6	658.5	657.8	656.4	649.1
20°	519.1	519.1	514.1	511.2	506.8
22.5°	396.4	395.0	392.8	390.6	392.1
25°	297.7	301.3	299.1	299.1	297.7
27.5°	225.1	229.4	225.8	223.6	225.1
30°	171.4	172.8	171.4	170.6	170.6
32.5°	129.2	130.0	129.2	129.2	129.2
35°	98.7	98.7	99.5	99.5	98.7
37.5°	76.2	76.2	76.2	76.2	77.0
40°	58.8	59.5	59.5	59.5	59.5
42.5°	46.5	47.2	47.2	47.2	47.2
45°	37.8	37.8	37.8	37.8	37.8
47.5°	30.5	30.5	30.5	30.5	31.2
50°	24.7	25.4	25.4	25.4	25.4
52.5°	21.1	21.1	21.1	21.1	21.1
55°	17.4	17.4	17.4	18.2	18.2
57.5°	14.5	14.5	15.2	15.2	15.2
60°	12.3	13.1	13.1	13.1	13.1
62.5°	10.9	10.9	11.6	11.6	11.6
65°	9.4	9.4	9.4	9.4	9.4
67.5°	8.0	8.0	8.0	8.0	8.7
70°	6.5	6.5	6.5	7.3	7.3
72.5°	5.8	5.8	5.8	5.8	5.8
75°	4.4	4.4	4.4	5.1	5.1
77.5°	3.6	3.6	3.6	3.6	3.6
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.5	1.5	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317108

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)