

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: P1317985

Luminaire Tested: P3SQAS13R259835DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317985
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: P3SQAS13R259835DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

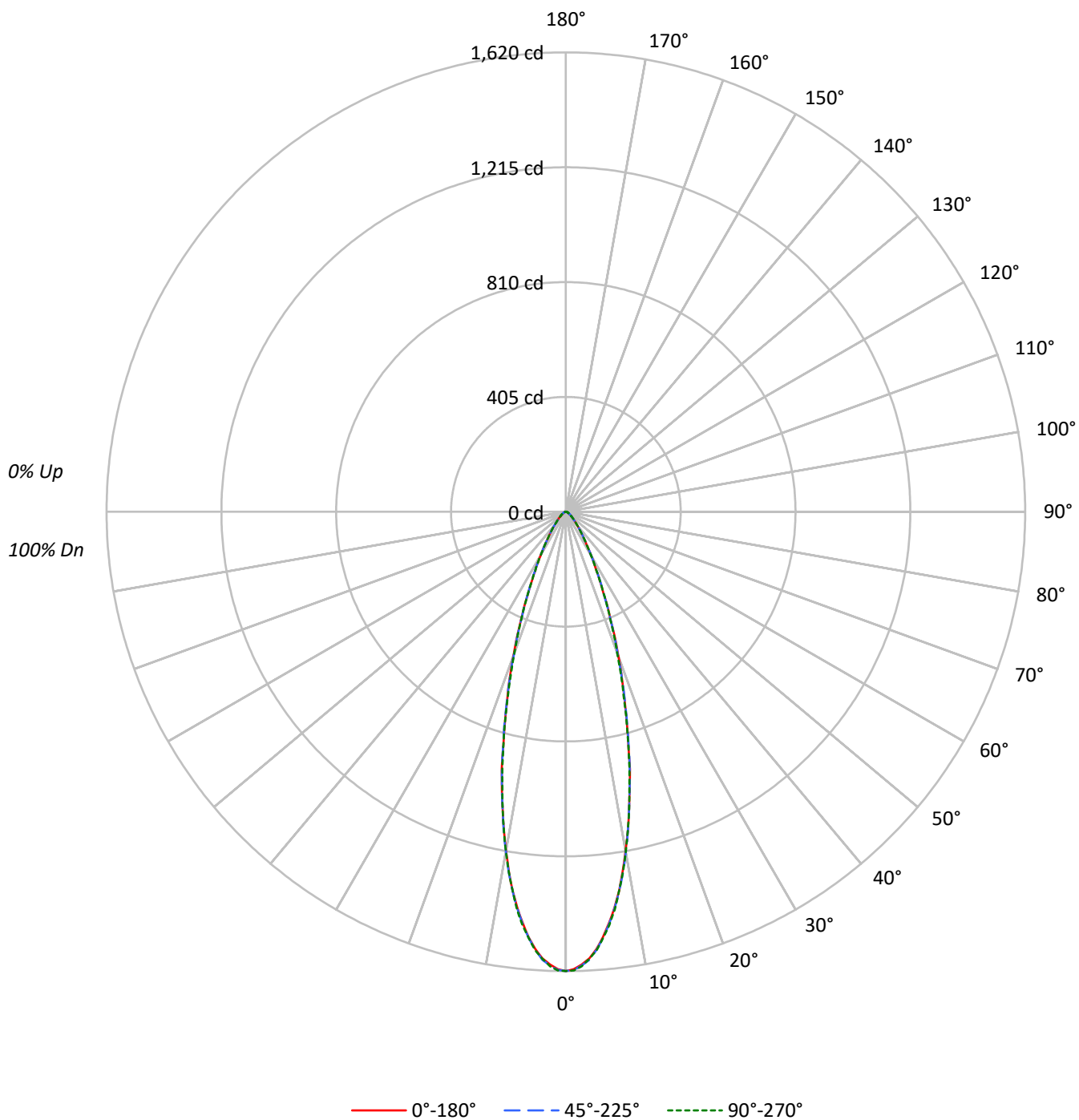
Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	90	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	85	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	72	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	69	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	66	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	278949	278949	278949
5°	260375	260635	260773
10°	212374	213038	213038
15°	151696	152498	151696
20°	99280	98309	96916
25°	59022	59307	59022
30°	35557	35557	35398
35°	21655	21823	21655
40°	13804	13961	13961
45°	9596	9596	9596
50°	6913	7100	7100
55°	5465	5465	5675
60°	4443	4684	4684
65°	3994	3994	3994
70°	3424	3424	3827
75°	2994	2994	3527
80°	2975	2975	2975
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9596 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	20.7
10°-20°	234.6	36.2
20°-30°	147.5	22.7
30°-40°	67.5	10.4
40°-50°	31.5	4.9
50°-60°	16.9	2.6
60°-70°	10.0	1.5
70°-80°	5.2	0.8
80°-90°	1.2	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°	516.7	79.6
0°-40°	584.2	90.0
0°-60°	632.6	97.5
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1506	1509	1508	1509	1508	134
15°	851	856	855	857	851	235
25°	311	314	312	312	311	148
35°	103	103	104	104	103	67
45°	39	39	39	39	39	31
55°	18	18	18	19	19	17
65°	10	10	10	10	10	10
75°	4	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1619.7	1619.7	1619.7	1619.7	1619.7
1°	1612.9	1614.4	1615.9	1618.2	1617.5
2°	1597.8	1600.8	1601.5	1604.6	1603.8
3°	1577.3	1576.5	1582.6	1582.6	1578.8
4°	1545.5	1547.0	1548.5	1550.0	1550.8
5°	1506.1	1509.1	1507.6	1509.1	1508.4
6°	1457.6	1462.1	1461.4	1462.9	1465.2
7°	1406.1	1409.1	1409.1	1407.6	1413.7
8°	1350.0	1347.8	1351.5	1350.0	1349.3
9°	1283.4	1287.9	1288.7	1284.9	1286.4
10°	1214.4	1217.4	1218.2	1220.5	1218.2
11°	1146.2	1146.2	1147.7	1151.5	1145.5
12°	1072.0	1078.8	1072.0	1075.0	1072.0
13°	1001.5	1003.0	1001.5	1000.8	995.5
14°	934.9	929.6	931.1	925.0	925.8
15°	850.8	856.1	855.3	856.8	850.8
17.5°	684.1	687.1	686.4	684.9	677.3
20°	541.7	541.7	536.4	533.3	528.8
22.5°	413.6	412.1	409.9	407.6	409.1
25°	310.6	314.4	312.1	312.1	310.6
27.5°	234.9	239.4	235.6	233.3	234.9
30°	178.8	180.3	178.8	178.0	178.0
32.5°	134.9	135.6	134.9	134.9	134.9
35°	103.0	103.0	103.8	103.8	103.0
37.5°	79.5	79.5	79.5	79.5	80.3
40°	61.4	62.1	62.1	62.1	62.1
42.5°	48.5	49.2	49.2	49.2	49.2
45°	39.4	39.4	39.4	39.4	39.4
47.5°	31.8	31.8	31.8	31.8	32.6
50°	25.8	26.5	26.5	26.5	26.5
52.5°	22.0	22.0	22.0	22.0	22.0
55°	18.2	18.2	18.2	18.9	18.9
57.5°	15.2	15.2	15.9	15.9	15.9
60°	12.9	13.6	13.6	13.6	13.6
62.5°	11.4	11.4	12.1	12.1	12.1
65°	9.8	9.8	9.8	9.8	9.8
67.5°	8.3	8.3	8.3	8.3	9.1
70°	6.8	6.8	6.8	7.6	7.6
72.5°	6.1	6.1	6.1	6.1	6.1
75°	4.5	4.5	4.5	5.3	5.3
77.5°	3.8	3.8	3.8	3.8	3.8
80°	3.0	3.0	3.0	3.0	3.0
82.5°	1.5	1.5	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)