

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: P1344587

Luminaire Tested: P3A13R259840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R259840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

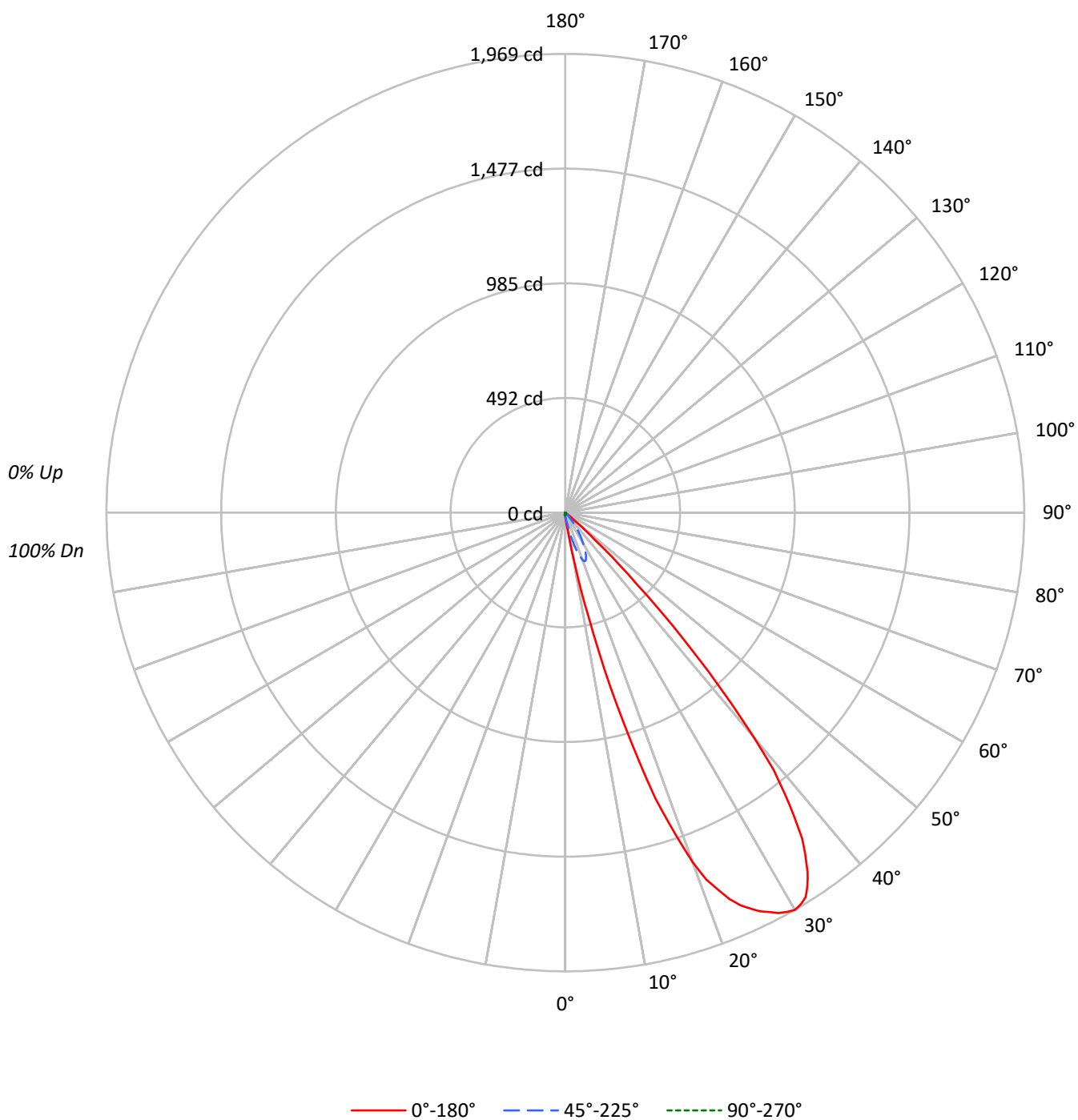
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3706	3706	3706	3706	3706
5°	9311	6868	3478	1783	1365
10°	40681	11712	2872	824	579
15°	193440	31555	1998	341	250
20°	372386	50521	1283	93	93
25°	453510	50955	702	0	0
30°	498634	38993	279	0	0
35°	480508	24788	107	0	0
40°	359044	10734	0	0	115
45°	132913	2853	124	124	341
50°	15692	375	239	239	512
55°	1529	0	268	421	688
60°	175	0	482	658	789
65°	208	208	778	934	1141
70°	256	256	962	962	1410
75°	339	339	932	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	45.9	11.7
20°-30°	144.2	36.6
30°-40°	151.8	38.5
40°-50°	44.6	11.3
50°-60°	2.4	0.6
60°-70°	1.2	0.3
70°-80°	1.0	0.3
80°-90°	0.5	0.1
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°	192.6	48.9
0°-40°	344.4	87.4
0°-60°	391.3	99.3
0°-90°	394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	42	31	16	8	6	8
15°	852	139	9	2	1	269
25°	1874	211	3	0	0	860
35°	1795	93	0	0	0	1083
45°	429	9	0	0	1	390
55°	4	0	1	1	2	10
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	26.1	26.5	25.4	26.1	25.4	25.0	24.6	22.8	19.9	16.9	14.0
5°	42.3	42.3	40.4	40.1	39.3	37.9	36.4	31.2	22.4	15.8	11.0
7.5°	66.2	65.8	65.1	63.2	59.6	55.9	52.2	40.8	24.6	14.7	8.5
10°	182.7	180.1	176.8	157.0	134.5	114.7	97.4	52.6	26.5	12.9	6.2
12.5°	454.0	439.3	404.4	364.7	313.9	260.6	208.4	85.7	27.2	10.7	4.4
15°	852.1	821.6	767.2	687.8	584.1	467.6	368.3	139.0	26.5	8.8	3.3
17.5°	1286.6	1257.2	1181.9	1061.3	908.7	729.7	554.0	184.2	24.6	7.4	2.2
20°	1595.8	1564.5	1494.0	1366.0	1201.0	962.4	729.3	216.5	23.2	5.5	1.1
21°	1686.2	1655.0	1580.3	1456.8	1283.3	1044.0	785.6	222.0	22.1	4.8	0.7
22°	1743.6	1725.2	1645.0	1525.2	1348.4	1109.4	833.7	224.6	21.3	4.4	0.7
23°	1801.3	1773.7	1698.7	1572.3	1398.0	1158.0	869.4	222.8	20.6	3.7	0.4
24°	1843.9	1820.8	1733.6	1608.6	1432.6	1187.7	890.3	218.0	19.5	3.3	0.4
25°	1874.4	1853.1	1762.3	1633.3	1455.7	1203.9	897.0	210.6	18.4	2.9	0.4
26°	1903.5	1880.3	1786.2	1647.6	1467.9	1209.1	890.7	202.6	17.3	2.6	0.0
27°	1924.4	1900.9	1802.7	1656.1	1468.6	1202.8	873.8	191.5	16.2	2.2	0.0
28°	1946.8	1919.6	1814.1	1660.8	1464.2	1188.1	849.5	179.8	15.4	1.8	0.0
29°	1960.4	1934.7	1825.9	1666.0	1455.0	1163.5	814.2	165.8	13.6	1.1	0.0
30°	1969.3	1938.8	1824.8	1660.5	1442.9	1137.0	772.0	154.0	11.8	1.1	0.0
31°	1961.9	1929.9	1813.0	1645.0	1423.4	1102.5	728.6	139.3	9.6	0.7	0.0
32°	1946.1	1908.2	1792.5	1618.2	1388.5	1058.0	683.7	127.2	7.0	0.7	0.0
33°	1907.5	1875.5	1755.3	1582.2	1342.9	997.7	625.3	115.4	4.8	0.4	0.0
34°	1859.0	1827.0	1704.6	1534.0	1281.8	919.8	554.4	103.3	4.0	0.4	0.0
35°	1795.0	1763.4	1647.2	1466.8	1201.0	826.0	481.2	92.6	3.3	0.4	0.0
36°	1727.8	1685.8	1574.8	1395.1	1092.5	719.4	402.9	80.5	2.6	0.4	0.0
37°	1628.9	1600.6	1477.4	1285.9	975.3	617.2	345.9	69.5	1.8	0.4	0.0
38°	1526.3	1500.2	1380.0	1176.0	844.4	516.1	289.7	58.8	1.5	0.0	0.0
39°	1420.4	1377.1	1258.3	1035.2	707.3	432.3	243.7	49.3	0.7	0.0	0.0
40°	1254.3	1221.2	1094.4	866.1	585.2	350.3	207.7	37.5	0.7	0.0	0.0
42.5°	831.5	800.6	667.6	469.8	311.0	204.8	137.1	14.7	0.0	0.4	0.0
45°	428.6	409.1	332.3	245.9	176.5	125.7	88.2	9.2	0.0	0.4	0.4
47.5°	170.2	166.9	150.7	130.1	100.4	74.6	48.2	4.0	0.0	0.4	0.4
50°	46.0	46.3	43.4	40.1	36.4	34.2	20.2	1.1	0.0	0.7	0.4
52.5°	19.5	19.9	19.1	18.0	16.2	12.1	8.1	0.4	0.4	0.7	0.7
55°	4.0	4.4	4.8	5.1	5.9	5.1	3.3	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	16.9	16.9	16.9
2.5°	11.8	10.7	10.3
5°	8.1	7.0	6.2
7.5°	5.5	4.4	4.0
10°	3.7	2.9	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.7	0.4	0.4
20°	0.4	0.4	0.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.5
50°	0.7	1.5	1.5
52.5°	1.1	1.5	1.8
55°	1.1	1.8	1.8
57.5°	1.5	1.8	2.2
60°	1.5	1.8	1.8
62.5°	1.5	2.2	2.2
65°	1.8	2.2	2.2
67.5°	1.8	2.2	2.2
70°	1.5	1.8	2.2
72.5°	1.5	1.8	1.8
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)