

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: P1345004

Luminaire Tested: P3A13R309730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

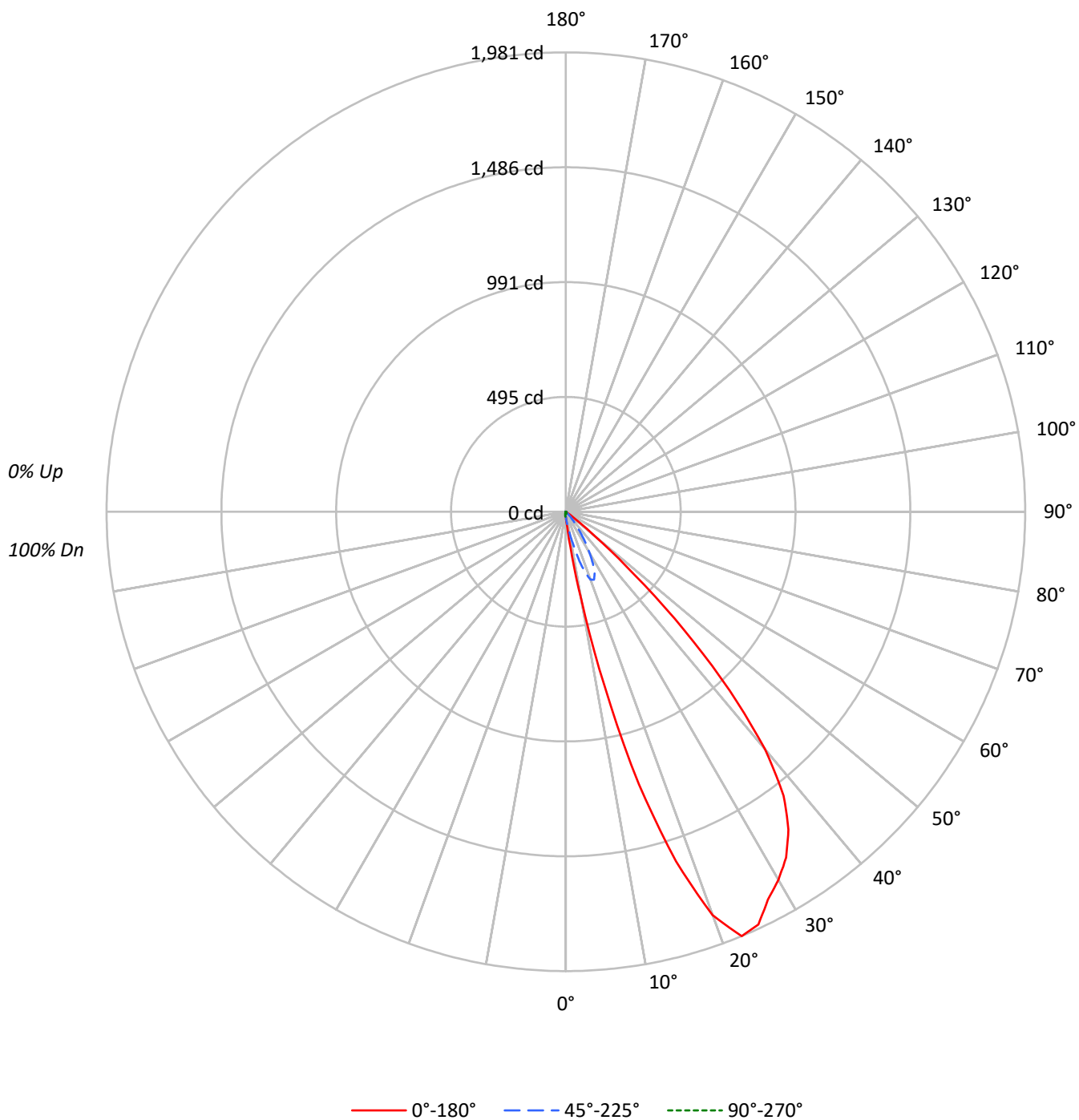
Lumens per Lamp: N/A
Luminaire Lumens: 467.0 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	87	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	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4868	4868	4868	4868	4868
5°	14660	9773	4600	2069	1695
10°	84857	20708	3607	957	668
15°	276006	46992	2520	204	91
20°	431868	72690	1587	0	0
25°	475140	71036	823	0	0
30°	464071	51223	329	0	0
35°	447903	29125	107	0	0
40°	381973	12337	0	0	0
45°	224178	4621	124	0	124
50°	54446	887	136	136	443
55°	4741	0	344	497	650
60°	175	0	395	570	921
65°	208	208	675	675	1090
70°	256	256	833	833	1090
75°	0	339	1101	1101	1101
80°	0	505	1642	1137	1137
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 224178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.9
10°-20°	64.2	13.7
20°-30°	163.1	34.9
30°-40°	162.6	34.8
40°-50°	65.9	14.1
50°-60°	4.6	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
80°-90°	0.6	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°	231.4	49.5
0°-40°	393.9	84.4
0°-60°	464.4	99.4
0°-90°	467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	67	44	21	9	8	15
15°	1216	207	11	1	0	354
25°	1964	294	3	0	0	887
35°	1673	109	0	0	0	1026
45°	723	15	0	0	0	551
55°	12	0	1	1	2	32
65°	0	0	1	1	2	0
75°	0	0	1	1	1	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°	35°	40°	45°	67.5°
0°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
2.5°	36.7	37.1	37.1	36.3	35.8	35.8	34.6	34.1	32.9	31.6	27.3
5°	66.6	65.3	63.6	63.6	59.7	57.6	54.6	51.2	48.6	44.4	31.6
7.5°	151.1	140.8	137.8	134.0	119.5	108.0	94.7	83.2	72.5	63.6	35.0
10°	381.1	361.0	344.4	310.7	268.4	227.9	190.3	146.8	116.9	93.0	37.6
12.5°	767.7	740.8	708.8	647.4	568.4	467.3	377.7	282.1	198.0	137.0	38.4
15°	1215.8	1170.1	1120.2	1042.1	912.8	767.7	606.0	453.6	317.9	207.0	37.6
17.5°	1581.0	1563.1	1489.3	1382.6	1224.3	1037.4	838.1	629.9	428.9	271.0	35.0
20°	1850.7	1838.4	1749.2	1635.7	1457.3	1243.1	990.0	740.0	506.1	311.5	31.2
22.5°	1980.9	1978.8	1914.3	1798.2	1609.2	1366.4	1087.7	803.5	530.0	317.1	26.0
25°	1963.8	1971.5	1934.8	1848.6	1667.2	1417.2	1116.8	803.5	512.5	293.6	21.8
27.5°	1886.2	1891.3	1868.2	1802.1	1633.1	1380.5	1076.2	751.9	461.7	252.2	17.9
30°	1832.8	1834.9	1806.4	1735.5	1556.3	1296.8	980.6	656.3	384.9	202.3	13.2
32.5°	1767.9	1767.5	1734.2	1653.2	1455.6	1179.5	859.4	542.4	295.7	153.6	7.7
35°	1673.2	1662.5	1617.3	1523.9	1305.4	1021.6	704.5	413.1	212.9	108.8	4.7
37.5°	1543.1	1515.3	1451.3	1326.3	1094.6	801.0	522.3	290.2	145.5	72.1	3.0
40°	1334.4	1304.9	1217.9	1066.0	827.9	576.5	352.1	189.0	91.7	43.1	1.7
42.5°	1046.3	1026.3	908.9	757.4	546.6	367.8	211.7	111.8	51.6	24.8	0.4
45°	722.9	696.9	604.7	476.2	328.2	204.0	118.6	58.5	29.4	14.9	0.0
47.5°	399.0	367.0	313.6	246.7	165.1	107.1	59.7	31.6	16.6	7.3	0.0
50°	159.6	158.3	125.9	89.6	63.2	48.6	29.9	17.1	8.5	2.6	0.4
52.5°	55.9	55.9	48.2	39.3	30.7	22.2	14.9	8.1	3.0	0.9	0.4
55°	12.4	13.7	12.8	11.9	11.5	9.8	6.4	3.0	0.9	0.0	0.4
57.5°	1.3	1.3	1.3	1.7	2.1	2.1	1.7	0.9	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.9
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
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):

	90°	112.5°	135°	157.5°	180°
0°	22.2	22.2	22.2	22.2	22.2
2.5°	22.2	17.5	14.5	12.8	12.4
5°	20.9	13.2	9.4	8.1	7.7
7.5°	18.8	9.8	6.4	5.1	4.7
10°	16.2	7.3	4.3	3.0	3.0
12.5°	13.7	5.5	2.6	1.3	0.9
15°	11.1	3.4	0.9	0.4	0.4
17.5°	8.5	2.1	0.0	0.0	0.0
20°	6.8	0.9	0.0	0.0	0.0
22.5°	5.1	0.4	0.0	0.0	0.0
25°	3.4	0.0	0.0	0.0	0.0
27.5°	2.1	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.9	0.9
50°	0.4	0.4	0.4	0.9	1.3
52.5°	0.9	0.4	0.9	1.3	1.3
55°	0.9	0.9	1.3	1.7	1.7
57.5°	0.9	0.9	1.3	1.7	1.7
60°	0.9	0.9	1.3	1.7	2.1
62.5°	1.3	1.3	1.3	1.7	1.7
65°	1.3	1.3	1.3	1.7	2.1
67.5°	1.3	1.3	1.3	1.7	2.1
70°	1.3	1.3	1.3	1.7	1.7
72.5°	1.7	1.3	1.3	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	0.9	1.3	1.3
80°	1.3	0.9	0.9	0.9	0.9
82.5°	1.3	0.9	0.9	0.9	0.9
85°	1.3	0.9	0.4	0.4	0.4
87.5°	1.3	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)