

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: P1345548

Luminaire Tested: P3A13R359740DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R359740DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

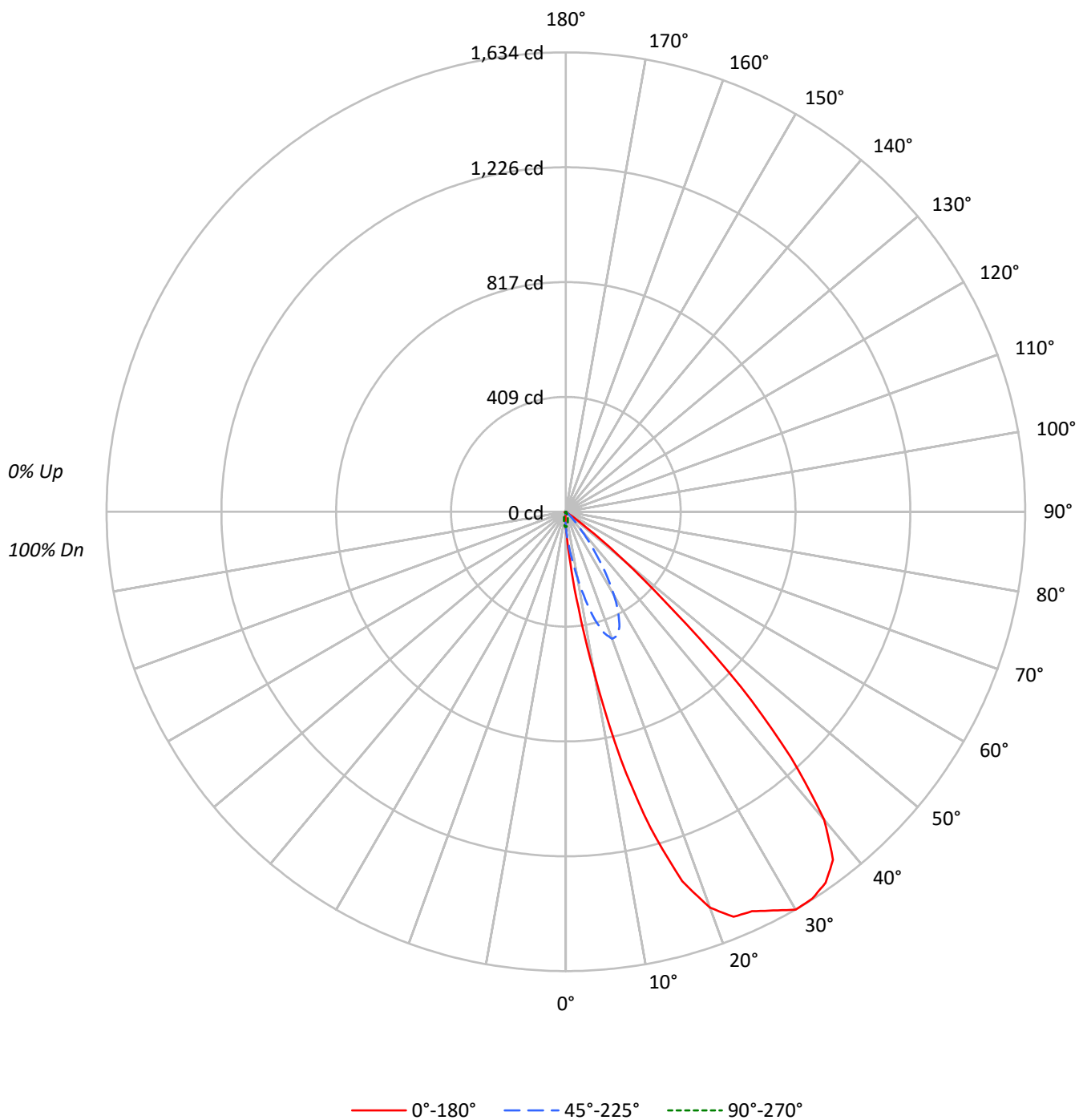
Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1345548

CATALOG NUMBER: P3A13R359740DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1345548

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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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11841	11841	11841	11841	11841
5°	40326	26194	11072	4667	3456
10°	129746	53105	8728	1737	1136
15°	264383	90080	6175	636	409
20°	349610	112196	3990	210	210
25°	379328	109071	2226	121	218
30°	413811	86925	937	127	228
35°	431172	54101	241	134	241
40°	409167	23644	143	258	401
45°	273145	9458	155	434	713
50°	91596	1569	307	614	955
55°	5123	191	344	879	1223
60°	395	219	614	1009	1403
65°	467	259	726	1193	1660
70°	321	321	898	1475	1795
75°	424	424	1186	1525	1949
80°	0	631	1768	1768	1768
85°	0	1258	3522	1258	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 273145 cd/sqm

TEST NUMBER: P1345548

CATALOG NUMBER: P3A13R359740DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	1.8
10°-20°	73.8	14.4
20°-30°	155.8	30.3
30°-40°	176.8	34.4
40°-50°	87.0	16.9
50°-60°	7.5	1.5
60°-70°	1.5	0.3
70°-80°	1.4	0.3
80°-90°	0.7	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°	239.0	46.5
0°-40°	415.8	80.9
0°-60°	510.3	99.3
0°-90°	514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	183	119	50	21	16	30
15°	1165	397	27	3	2	331
25°	1568	451	9	0	1	730
35°	1611	202	1	0	1	993
45°	881	30	0	1	2	651
55°	13	0	1	2	3	52
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1345548

CATALOG NUMBER: P3A13R359740DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
2.5°	93.7	96.0	95.0	94.6	94.1	92.3	88.1	87.7	83.5	80.7	66.9
5°	183.2	179.5	180.4	175.3	168.9	159.6	153.6	140.7	130.1	119.0	78.0
7.5°	345.1	340.1	330.4	315.6	300.4	280.5	250.5	226.5	198.9	172.6	86.7
10°	582.7	580.0	567.5	529.7	496.5	443.4	393.6	341.0	289.3	238.5	92.7
12.5°	900.2	881.3	858.7	808.4	742.9	676.4	578.1	487.2	404.6	319.7	93.2
15°	1164.6	1152.6	1120.7	1055.2	976.3	880.3	763.6	641.3	516.8	396.8	88.6
17.5°	1377.3	1358.8	1317.8	1253.6	1162.7	1038.1	901.6	752.5	600.7	451.7	80.7
20°	1498.2	1488.5	1457.1	1393.0	1293.8	1157.6	1002.2	828.7	653.3	480.8	70.6
22.5°	1559.1	1552.1	1529.1	1477.9	1385.1	1248.1	1070.0	868.4	668.6	477.5	60.0
25°	1567.8	1566.0	1546.1	1507.4	1429.9	1294.2	1099.5	875.7	656.1	450.8	49.8
27.5°	1598.3	1591.8	1568.3	1529.5	1451.6	1302.1	1089.4	850.4	616.0	403.7	41.5
30°	1634.3	1629.7	1606.1	1566.0	1473.7	1294.7	1053.4	794.1	551.8	343.3	30.9
32.5°	1631.5	1629.7	1609.8	1567.4	1458.0	1251.3	989.2	709.6	464.6	270.8	19.4
35°	1610.7	1604.3	1579.4	1513.8	1368.5	1139.7	867.4	595.2	367.7	202.1	12.5
37.5°	1560.9	1547.1	1505.1	1393.9	1208.4	967.6	706.4	459.6	260.2	135.2	7.8
40°	1429.4	1411.9	1327.4	1193.2	998.9	762.2	525.5	316.1	171.6	82.6	3.2
42.5°	1185.8	1150.3	1065.8	927.9	745.6	538.9	345.1	204.9	101.0	49.8	0.9
45°	880.8	853.6	765.0	640.0	488.6	345.6	209.0	110.7	55.8	30.5	0.5
47.5°	513.1	496.5	450.8	368.7	269.9	181.3	107.0	59.5	32.8	14.8	0.5
50°	268.5	247.8	213.2	161.5	119.0	83.5	52.1	31.8	16.1	4.6	0.5
52.5°	94.1	92.7	84.4	63.7	51.7	37.4	25.4	13.8	4.6	0.9	0.5
55°	13.4	13.4	12.5	13.8	14.8	13.4	8.8	3.7	0.9	0.5	0.5
57.5°	0.9	0.9	0.9	1.4	1.8	1.8	1.4	0.5	0.5	0.5	0.9
60°	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
62.5°	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
65°	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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

TEST NUMBER: P1345548

CATALOG NUMBER: P3A13R359740DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	54.0	54.0	54.0	54.0	54.0
2.5°	53.5	42.9	34.1	30.0	28.6
5°	50.3	32.3	21.2	16.6	15.7
7.5°	44.8	23.1	12.9	9.2	8.8
10°	39.2	16.6	7.8	5.5	5.1
12.5°	32.8	11.5	5.1	3.2	2.8
15°	27.2	7.8	2.8	2.3	1.8
17.5°	21.7	5.1	1.8	1.4	1.8
20°	17.1	3.2	0.9	0.9	0.9
22.5°	12.9	1.8	0.9	0.9	0.9
25°	9.2	0.9	0.5	0.5	0.9
27.5°	6.5	0.5	0.5	0.5	0.9
30°	3.7	0.5	0.5	0.5	0.9
32.5°	1.8	0.5	0.5	0.9	0.9
35°	0.9	0.5	0.5	0.9	0.9
37.5°	0.5	0.5	0.5	0.9	1.4
40°	0.5	0.5	0.9	1.4	1.4
42.5°	0.5	0.5	0.9	1.4	1.8
45°	0.5	0.9	1.4	1.8	2.3
47.5°	0.9	0.9	1.8	2.3	2.8
50°	0.9	1.4	1.8	2.8	2.8
52.5°	0.9	1.4	2.3	2.8	3.2
55°	0.9	1.8	2.3	3.2	3.2
57.5°	1.4	1.8	2.3	3.2	3.2
60°	1.4	1.8	2.3	3.2	3.2
62.5°	1.4	1.8	2.3	3.2	3.2
65°	1.4	1.8	2.3	3.2	3.2
67.5°	1.4	1.8	2.3	2.8	3.2
70°	1.4	1.8	2.3	2.8	2.8
72.5°	1.8	1.8	2.3	2.8	2.8
75°	1.4	1.8	1.8	2.3	2.3
77.5°	1.4	1.4	1.4	1.8	1.8
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	0.9	0.9	1.4	1.4
85°	1.4	0.9	0.5	0.9	0.9
87.5°	0.9	0.9	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)