

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: P1345481

Luminaire Tested: P3A13R359050DE010 E3A301LI

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345481
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: P3A13R359050DE010 E3A301LI
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3A301LI TRIM
Light Source: -
Ballast/Driver: -

Summary

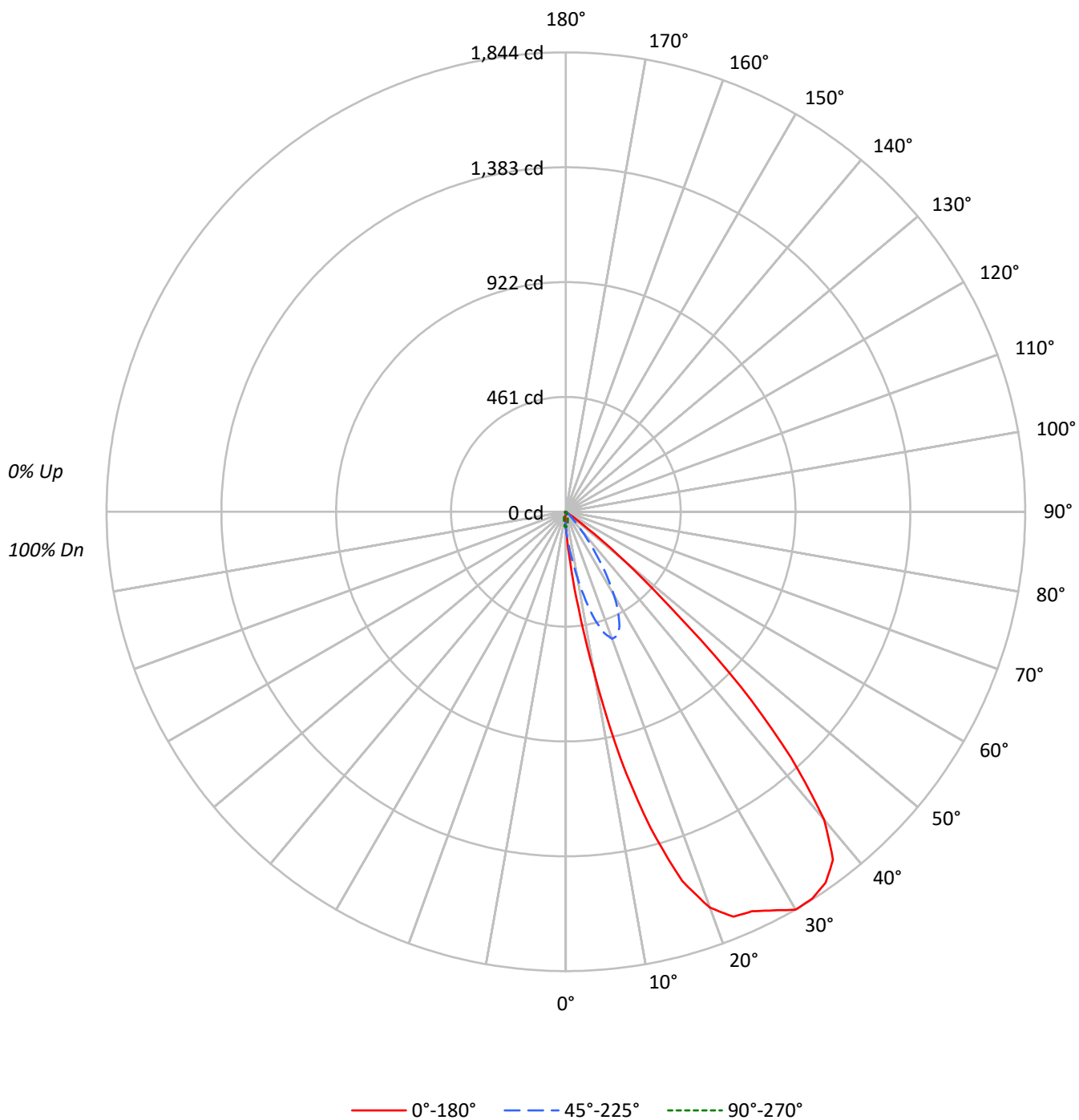
Lumens per Lamp: N/A
Luminaire Lumens: 580.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1345481

CATALOG NUMBER: P3A13R359050DE010 E3A301LI

Luminous Intensity Polar Plot



TEST NUMBER: P1345481

CATALOG NUMBER: P3A13R359050DE010 E3A301LI

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	51	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°	13354	13354	13354	13354	13354
5°	45498	29562	12503	5261	3896
10°	146423	59941	9864	1982	1269
15°	298322	101658	6969	704	477
20°	394484	126594	4504	233	233
25°	428033	123080	2516	121	242
30°	466933	98091	1063	127	253
35°	486557	61034	268	134	268
40°	461722	26679	143	286	458
45°	308218	10668	155	496	806
50°	103365	1774	341	716	1058
55°	5773	191	382	994	1376
60°	439	219	702	1140	1579
65°	519	259	830	1349	1868
70°	321	321	1026	1667	1988
75°	424	424	1356	1779	2203
80°	0	631	2020	2020	2020
85°	0	1258	4026	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 308218 cd/sqm

TEST NUMBER: P1345481

CATALOG NUMBER: P3A13R359050DE010 E3A301LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	1.8
10°-20°	83.3	14.4
20°-30°	175.8	30.3
30°-40°	199.5	34.4
40°-50°	98.2	16.9
50°-60°	8.5	1.5
60°-70°	1.7	0.3
70°-80°	1.6	0.3
80°-90°	0.8	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°	269.7	46.5
0°-40°	469.2	80.9
0°-60°	575.8	99.3
0°-90°	580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	207	134	57	24	18	34
15°	1314	448	31	3	2	374
25°	1769	509	10	0	1	823
35°	1818	228	1	0	1	1120
45°	994	34	0	2	3	734
55°	15	0	1	3	4	59
65°	1	0	2	3	4	1
75°	0	0	2	2	3	0
85°	0	0	2	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1345481

CATALOG NUMBER: P3A13R359050DE010 E3A301LI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
2.5°	105.7	108.3	107.3	106.7	106.2	104.1	99.4	98.9	94.2	91.1	75.5
5°	206.7	202.5	203.6	197.8	190.6	180.1	173.4	158.8	146.8	134.3	88.0
7.5°	389.4	383.7	372.8	356.1	338.9	316.6	282.7	255.6	224.4	194.7	97.9
10°	657.6	654.5	640.4	597.7	560.2	500.3	444.1	384.8	326.4	269.2	104.6
12.5°	1015.8	994.4	968.9	912.2	838.2	763.3	652.4	549.8	456.6	360.8	105.2
15°	1314.1	1300.6	1264.6	1190.7	1101.7	993.4	861.7	723.7	583.1	447.8	100.0
17.5°	1554.1	1533.3	1487.0	1414.6	1312.0	1171.5	1017.3	849.2	677.9	509.7	91.1
20°	1690.5	1679.6	1644.2	1571.8	1459.9	1306.3	1130.8	935.1	737.2	542.5	79.7
22.5°	1759.3	1751.4	1725.4	1667.6	1563.0	1408.3	1207.4	979.9	754.4	538.9	67.7
25°	1769.1	1767.1	1744.7	1700.9	1613.5	1460.4	1240.7	988.2	740.4	508.7	56.2
27.5°	1803.5	1796.2	1769.7	1725.9	1637.9	1469.3	1229.2	959.5	695.1	455.6	46.9
30°	1844.1	1838.9	1812.4	1767.1	1662.9	1460.9	1188.6	896.0	622.7	387.4	34.9
32.5°	1841.0	1838.9	1816.5	1768.6	1645.2	1412.0	1116.3	800.8	524.3	305.6	21.9
35°	1817.6	1810.3	1782.2	1708.2	1544.2	1286.0	978.8	671.6	415.0	228.0	14.1
37.5°	1761.3	1745.7	1698.3	1572.9	1363.6	1091.8	797.1	518.6	293.6	152.5	8.9
40°	1613.0	1593.2	1497.9	1346.4	1127.2	860.1	593.0	356.6	193.7	93.2	3.6
42.5°	1338.1	1298.0	1202.7	1047.0	841.4	608.1	389.4	231.2	114.0	56.2	1.0
45°	993.9	963.2	863.2	722.1	551.4	390.0	235.9	125.0	63.0	34.4	0.5
47.5°	579.0	560.2	508.7	416.0	304.6	204.6	120.8	67.2	37.0	16.7	0.5
50°	303.0	279.6	240.5	182.2	134.3	94.2	58.8	35.9	18.2	5.2	0.5
52.5°	106.2	104.6	95.3	71.8	58.3	42.2	28.6	15.6	5.2	1.0	0.5
55°	15.1	15.1	14.1	15.6	16.7	15.1	9.9	4.2	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.6	2.1	2.1	1.6	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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: P1345481

CATALOG NUMBER: P3A13R359050DE010 E3A301LI

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	60.9	60.9	60.9	60.9	60.9
2.5°	60.4	48.4	38.5	33.8	32.3
5°	56.8	36.4	23.9	18.7	17.7
7.5°	50.5	26.0	14.6	10.4	9.9
10°	44.3	18.7	8.9	6.2	5.7
12.5°	37.0	13.0	5.7	3.6	3.1
15°	30.7	8.9	3.1	2.6	2.1
17.5°	24.5	5.7	2.1	1.6	2.1
20°	19.3	3.6	1.0	1.0	1.0
22.5°	14.6	2.1	1.0	1.0	1.0
25°	10.4	1.0	0.5	0.5	1.0
27.5°	7.3	0.5	0.5	0.5	1.0
30°	4.2	0.5	0.5	0.5	1.0
32.5°	2.1	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.6
40°	0.5	0.5	1.0	1.6	1.6
42.5°	0.5	0.5	1.0	1.6	2.1
45°	0.5	1.0	1.6	2.1	2.6
47.5°	1.0	1.0	2.1	2.6	3.1
50°	1.0	1.6	2.1	3.1	3.1
52.5°	1.0	1.6	2.6	3.1	3.6
55°	1.0	2.1	2.6	3.6	3.6
57.5°	1.6	2.1	2.6	3.6	3.6
60°	1.6	2.1	2.6	3.6	3.6
62.5°	1.6	2.1	2.6	3.6	3.6
65°	1.6	2.1	2.6	3.6	3.6
67.5°	1.6	2.1	2.6	3.1	3.6
70°	1.6	2.1	2.6	3.1	3.1
72.5°	2.1	2.1	2.6	3.1	3.1
75°	1.6	2.1	2.1	2.6	2.6
77.5°	1.6	1.6	1.6	2.1	2.1
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.0	1.0	1.6	1.6
85°	1.6	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)