

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: P1345543

Luminaire Tested: P3A13R359740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345543
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 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

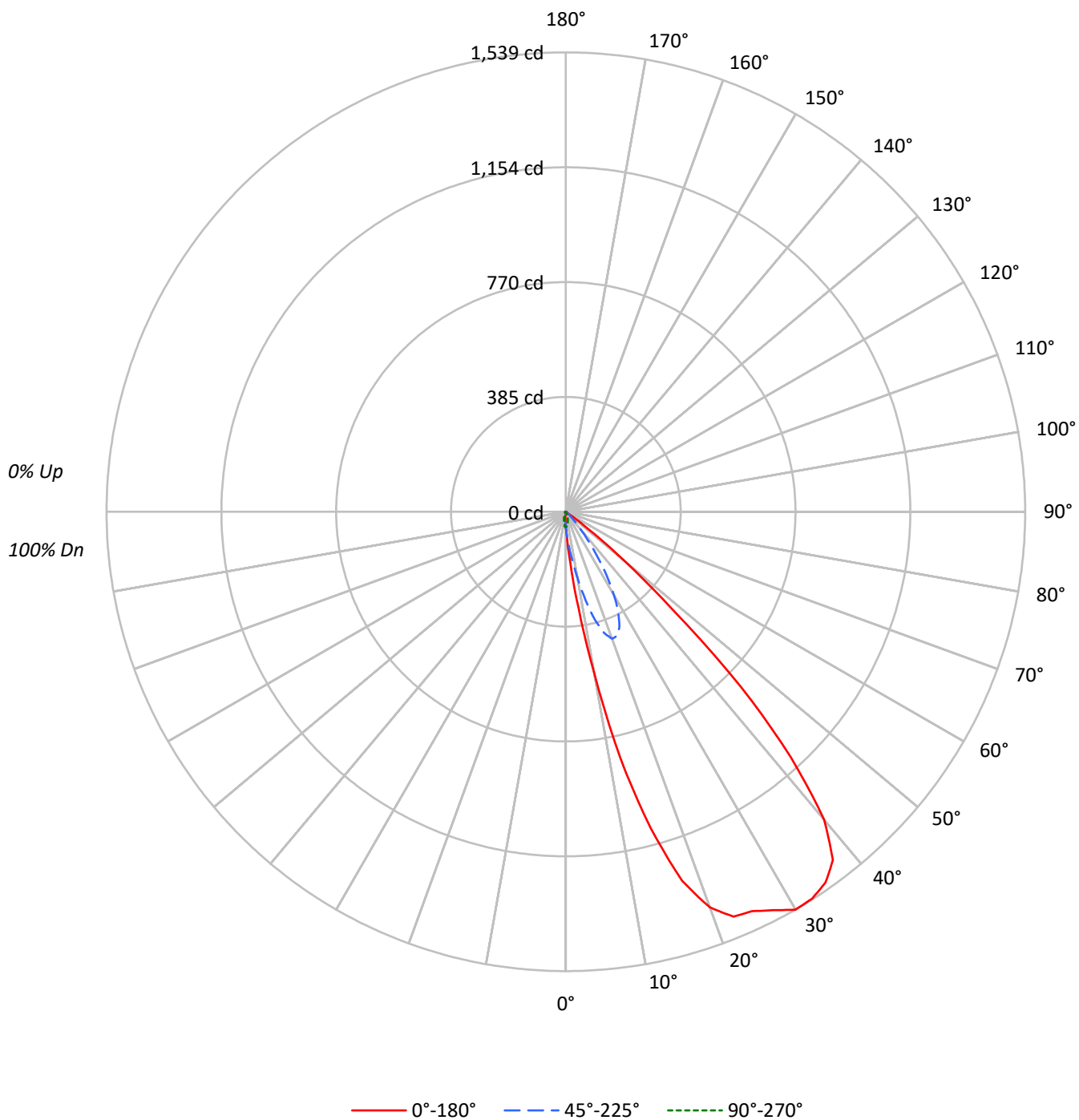
Lumens per Lamp: N/A
Luminaire Lumens: 484.0 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1345543

CATALOG NUMBER: P3A13R359740DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1345543

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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	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°	11139	11139	11139	11139	11139
5°	37970	24675	10434	4402	3258
10°	122175	50010	8216	1648	1069
15°	248946	84813	5812	590	386
20°	329192	105639	3757	210	210
25°	357190	102708	2105	97	218
30°	389655	81835	886	101	228
35°	406009	50942	241	107	241
40°	385293	22270	115	258	372
45°	257205	8900	124	403	682
50°	86274	1467	307	580	887
55°	4817	153	344	841	1147
60°	395	175	570	965	1316
65°	467	208	675	1141	1557
70°	256	256	833	1410	1667
75°	339	339	1101	1440	1864
80°	0	505	1642	1642	1642
85°	0	1006	3271	1006	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 257205 cd/sqm

TEST NUMBER: P1345543

CATALOG NUMBER: P3A13R359740DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	1.8
10°-20°	69.5	14.4
20°-30°	146.7	30.3
30°-40°	166.5	34.4
40°-50°	81.9	16.9
50°-60°	7.1	1.5
60°-70°	1.4	0.3
70°-80°	1.3	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°	225.1	46.5
0°-40°	391.5	80.9
0°-60°	480.5	99.3
0°-90°	484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	484.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	172	112	47	20	15	28
15°	1097	374	26	3	2	312
25°	1476	424	9	0	1	687
35°	1517	190	1	0	1	935
45°	829	29	0	1	2	613
55°	13	0	1	2	3	49
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: P1345543

CATALOG NUMBER: P3A13R359740DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
2.5°	88.2	90.4	89.5	89.1	88.6	86.9	83.0	82.5	78.6	76.0	63.0
5°	172.5	169.0	169.9	165.1	159.0	150.3	144.7	132.5	122.5	112.1	73.4
7.5°	325.0	320.2	311.1	297.2	282.8	264.2	235.9	213.3	187.3	162.5	81.7
10°	548.7	546.1	534.4	498.8	467.5	417.5	370.6	321.1	272.4	224.6	87.3
12.5°	847.6	829.8	808.5	761.2	699.5	636.9	544.4	458.8	381.0	301.1	87.8
15°	1096.6	1085.3	1055.3	993.6	919.3	829.0	719.0	603.9	486.6	373.6	83.4
17.5°	1296.9	1279.5	1240.8	1180.5	1094.9	977.6	849.0	708.6	565.7	425.3	76.0
20°	1410.7	1401.6	1372.1	1311.7	1218.3	1090.1	943.7	780.3	615.2	452.7	66.5
22.5°	1468.1	1461.6	1439.8	1391.6	1304.3	1175.2	1007.5	817.7	629.5	449.7	56.5
25°	1476.3	1474.6	1455.9	1419.4	1346.4	1218.7	1035.3	824.6	617.8	424.5	46.9
27.5°	1505.0	1498.9	1476.8	1440.3	1366.8	1226.1	1025.8	800.7	580.0	380.2	39.1
30°	1538.9	1534.5	1512.4	1474.6	1387.7	1219.1	991.9	747.7	519.6	323.2	29.1
32.5°	1536.3	1534.5	1515.9	1475.9	1372.9	1178.3	931.5	668.2	437.5	255.0	18.2
35°	1516.7	1510.6	1487.2	1425.5	1288.6	1073.1	816.8	560.5	346.3	190.3	11.7
37.5°	1469.8	1456.8	1417.2	1312.5	1137.9	911.1	665.2	432.7	245.0	127.3	7.4
40°	1346.0	1329.5	1250.0	1123.5	940.6	717.7	494.9	297.6	161.6	77.8	3.0
42.5°	1116.6	1083.1	1003.6	873.7	702.1	507.5	325.0	192.9	95.1	46.9	0.9
45°	829.4	803.8	720.3	602.6	460.1	325.4	196.8	104.3	52.6	28.7	0.4
47.5°	483.1	467.5	424.5	347.1	254.2	170.7	100.8	56.0	30.8	13.9	0.4
50°	252.9	233.3	200.7	152.1	112.1	78.6	49.1	30.0	15.2	4.3	0.4
52.5°	88.6	87.3	79.5	60.0	48.7	35.2	23.9	13.0	4.3	0.9	0.4
55°	12.6	12.6	11.7	13.0	13.9	12.6	8.3	3.5	0.9	0.4	0.4
57.5°	0.9	0.9	0.9	1.3	1.7	1.7	1.3	0.4	0.4	0.4	0.9
60°	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
62.5°	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
65°	0.9	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	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

TEST NUMBER: P1345543

CATALOG NUMBER: P3A13R359740DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	50.8	50.8	50.8	50.8	50.8
2.5°	50.4	40.4	32.2	28.2	26.9
5°	47.4	30.4	20.0	15.6	14.8
7.5°	42.1	21.7	12.2	8.7	8.3
10°	36.9	15.6	7.4	5.2	4.8
12.5°	30.8	10.9	4.8	3.0	2.6
15°	25.6	7.4	2.6	2.2	1.7
17.5°	20.4	4.8	1.7	1.3	1.7
20°	16.1	3.0	0.9	0.9	0.9
22.5°	12.2	1.7	0.9	0.9	0.9
25°	8.7	0.9	0.4	0.4	0.9
27.5°	6.1	0.4	0.4	0.4	0.9
30°	3.5	0.4	0.4	0.4	0.9
32.5°	1.7	0.4	0.4	0.9	0.9
35°	0.9	0.4	0.4	0.9	0.9
37.5°	0.4	0.4	0.4	0.9	1.3
40°	0.4	0.4	0.9	1.3	1.3
42.5°	0.4	0.4	0.9	1.3	1.7
45°	0.4	0.9	1.3	1.7	2.2
47.5°	0.9	0.9	1.7	2.2	2.6
50°	0.9	1.3	1.7	2.6	2.6
52.5°	0.9	1.3	2.2	2.6	3.0
55°	0.9	1.7	2.2	3.0	3.0
57.5°	1.3	1.7	2.2	3.0	3.0
60°	1.3	1.7	2.2	3.0	3.0
62.5°	1.3	1.7	2.2	3.0	3.0
65°	1.3	1.7	2.2	3.0	3.0
67.5°	1.3	1.7	2.2	2.6	3.0
70°	1.3	1.7	2.2	2.6	2.6
72.5°	1.7	1.7	2.2	2.6	2.6
75°	1.3	1.7	1.7	2.2	2.2
77.5°	1.3	1.3	1.3	1.7	1.7
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	0.9	0.9	1.3	1.3
85°	1.3	0.9	0.4	0.9	0.9
87.5°	0.9	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)