

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: P1345463

Luminaire Tested: P3A13R359040DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345463
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: P3A13R359040DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

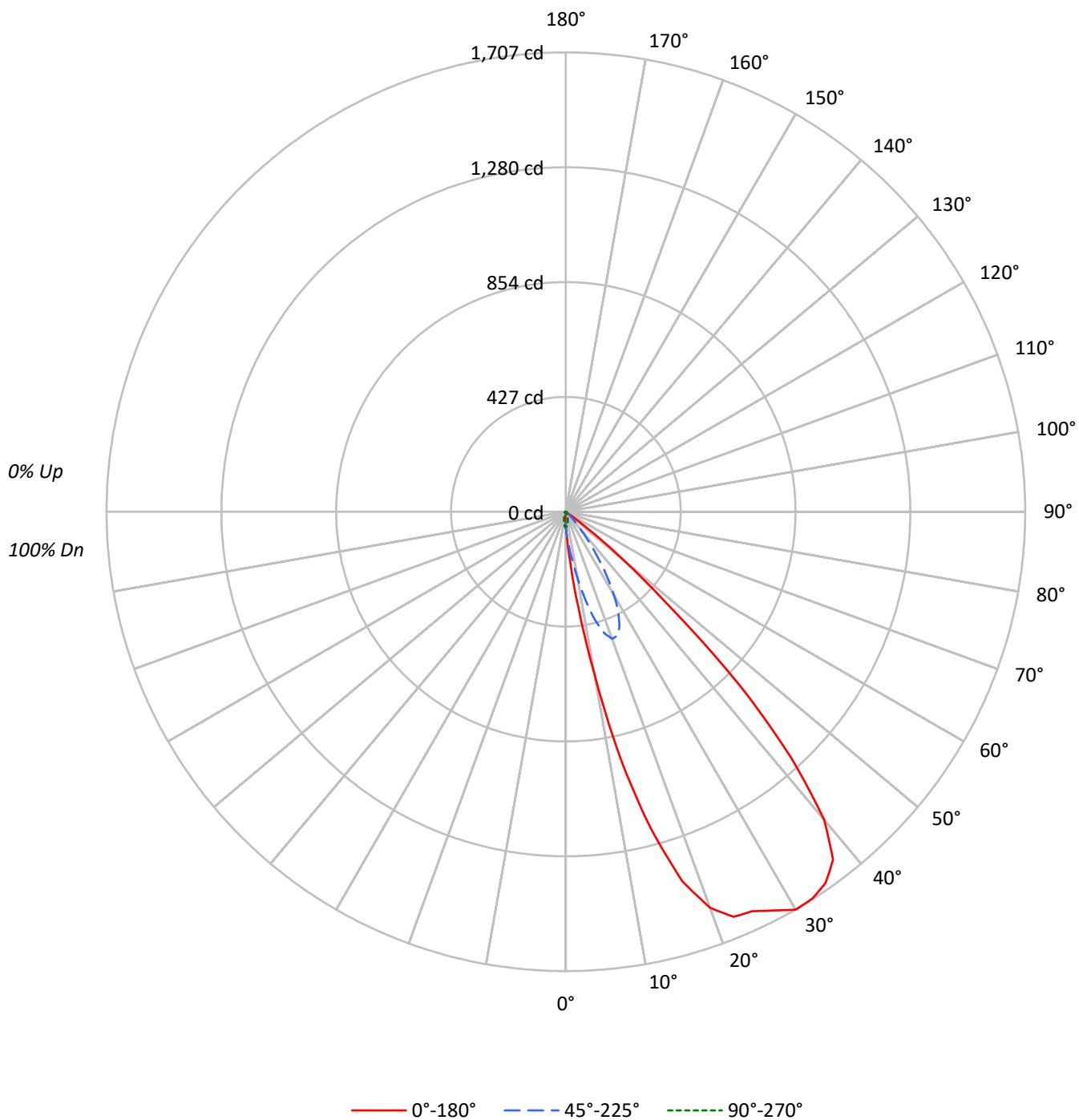
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1345463

CATALOG NUMBER: P3A13R359040DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1345463

CATALOG NUMBER: P3A13R359040DE010 E3A301GPH

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°	12367	12367	12367	12367	12367
5°	42131	27383	11556	4887	3610
10°	135557	55488	9129	1826	1180
15°	276210	94121	6447	658	431
20°	365245	117214	4154	233	233
25°	396313	113958	2323	121	242
30°	432320	90799	987	127	253
35°	450473	56510	268	134	268
40°	427487	24703	143	286	401
45°	285363	9861	155	434	744
50°	95724	1637	341	648	989
55°	5352	191	382	918	1300
60°	439	219	614	1053	1491
65°	519	259	726	1245	1764
70°	321	321	898	1539	1859
75°	424	424	1186	1610	2033
80°	0	631	1768	1768	1768
85°	0	1258	3522	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 285363 cd/sqm

TEST NUMBER: P1345463

CATALOG NUMBER: P3A13R359040DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	1.8
10°-20°	77.1	14.4
20°-30°	162.8	30.3
30°-40°	184.7	34.4
40°-50°	90.9	16.9
50°-60°	7.9	1.5
60°-70°	1.6	0.3
70°-80°	1.5	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°	249.7	46.5
0°-40°	434.4	80.9
0°-60°	533.2	99.3
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	191	124	52	22	16	32
15°	1217	415	28	3	2	346
25°	1638	471	10	0	1	762
35°	1683	211	1	0	1	1037
45°	920	32	0	1	2	680
55°	14	0	1	2	3	55
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: P1345463

CATALOG NUMBER: P3A13R359040DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2.5°	97.9	100.3	99.3	98.8	98.3	96.4	92.1	91.6	87.3	84.4	69.9
5°	191.4	187.5	188.5	183.2	176.4	166.8	160.5	147.0	135.9	124.4	81.5
7.5°	360.6	355.3	345.1	329.7	313.8	293.1	261.8	236.7	207.8	180.3	90.6
10°	608.8	605.9	592.9	553.4	518.7	463.2	411.2	356.2	302.2	249.2	96.9
12.5°	940.5	920.7	897.1	844.5	776.1	706.7	604.0	509.0	422.8	334.1	97.4
15°	1216.7	1204.1	1170.9	1102.4	1020.0	919.7	797.8	670.0	539.9	414.6	92.6
17.5°	1438.9	1419.6	1376.7	1309.7	1214.8	1084.6	941.9	786.2	627.6	471.9	84.4
20°	1565.2	1555.1	1522.3	1455.3	1351.7	1209.5	1047.0	865.8	682.6	502.3	73.8
22.5°	1628.8	1621.6	1597.5	1544.0	1447.1	1303.9	1117.9	907.2	698.5	498.9	62.7
25°	1638.0	1636.1	1615.3	1574.8	1493.9	1352.1	1148.7	914.9	685.5	471.0	52.1
27.5°	1669.8	1663.1	1638.5	1598.0	1516.5	1360.3	1138.1	888.4	643.5	421.8	43.4
30°	1707.4	1702.6	1678.0	1636.1	1539.7	1352.6	1100.5	829.6	576.5	358.6	32.3
32.5°	1704.5	1702.6	1681.9	1637.5	1523.3	1307.3	1033.5	741.4	485.4	283.0	20.2
35°	1682.8	1676.1	1650.0	1581.6	1429.7	1190.7	906.2	621.8	384.2	211.1	13.0
37.5°	1630.8	1616.3	1572.4	1456.3	1262.5	1010.8	738.0	480.1	271.9	141.2	8.2
40°	1493.4	1475.1	1386.8	1246.6	1043.6	796.3	549.0	330.2	179.3	86.3	3.4
42.5°	1238.9	1201.7	1113.5	969.4	779.0	563.0	360.6	214.0	105.6	52.1	1.0
45°	920.2	891.8	799.2	668.6	510.5	361.1	218.4	115.7	58.3	31.8	0.5
47.5°	536.0	518.7	471.0	385.2	282.0	189.4	111.8	62.2	34.2	15.4	0.5
50°	280.6	258.9	222.7	168.7	124.4	87.3	54.5	33.3	16.9	4.8	0.5
52.5°	98.3	96.9	88.2	66.5	54.0	39.0	26.5	14.5	4.8	1.0	0.5
55°	14.0	14.0	13.0	14.5	15.4	14.0	9.2	3.9	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.4	1.9	1.9	1.4	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	1.4
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	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: P1345463

CATALOG NUMBER: P3A13R359040DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	56.4	56.4	56.4	56.4	56.4
2.5°	55.9	44.8	35.7	31.3	29.9
5°	52.5	33.7	22.2	17.4	16.4
7.5°	46.8	24.1	13.5	9.6	9.2
10°	41.0	17.4	8.2	5.8	5.3
12.5°	34.2	12.1	5.3	3.4	2.9
15°	28.4	8.2	2.9	2.4	1.9
17.5°	22.7	5.3	1.9	1.4	1.9
20°	17.8	3.4	1.0	1.0	1.0
22.5°	13.5	1.9	1.0	1.0	1.0
25°	9.6	1.0	0.5	0.5	1.0
27.5°	6.7	0.5	0.5	0.5	1.0
30°	3.9	0.5	0.5	0.5	1.0
32.5°	1.9	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	1.4
40°	0.5	0.5	1.0	1.4	1.4
42.5°	0.5	0.5	1.0	1.4	1.9
45°	0.5	1.0	1.4	1.9	2.4
47.5°	1.0	1.0	1.9	2.4	2.9
50°	1.0	1.4	1.9	2.9	2.9
52.5°	1.0	1.4	2.4	2.9	3.4
55°	1.0	1.9	2.4	3.4	3.4
57.5°	1.4	1.9	2.4	3.4	3.4
60°	1.4	1.9	2.4	3.4	3.4
62.5°	1.4	1.9	2.4	3.4	3.4
65°	1.4	1.9	2.4	3.4	3.4
67.5°	1.4	1.9	2.4	2.9	3.4
70°	1.4	1.9	2.4	2.9	2.9
72.5°	1.9	1.9	2.4	2.9	2.9
75°	1.4	1.9	1.9	2.4	2.4
77.5°	1.4	1.4	1.4	1.9	1.9
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.0	1.0	1.4	1.4
85°	1.4	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)