

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: P1345527

Luminaire Tested: P3A13R359735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345527
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: P3A13R359735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

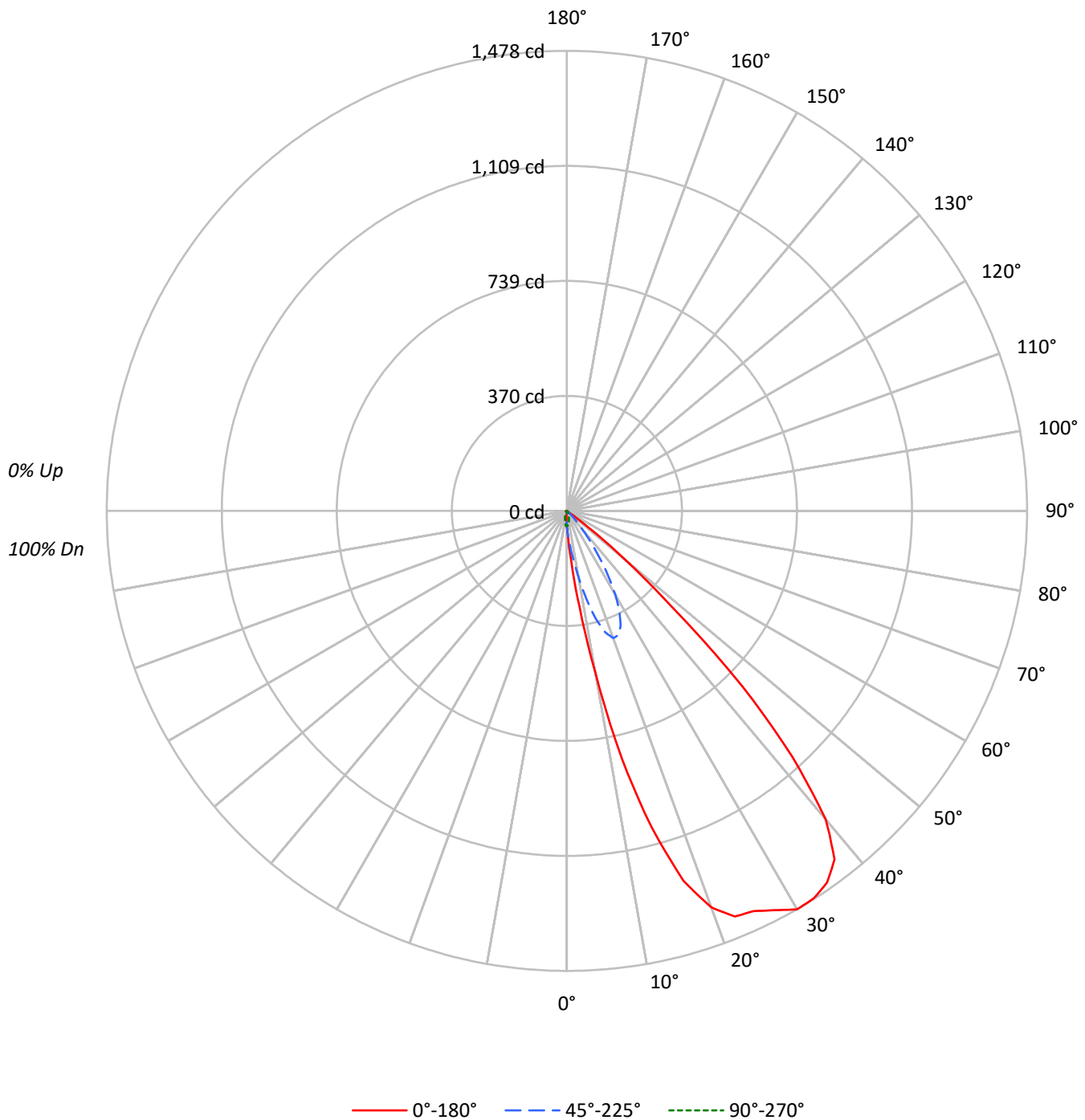
Lumens per Lamp: N/A
Luminaire Lumens: 465.0 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	10701	10701	10701	10701	10701
5°	36474	23707	10015	4226	3126
10°	117388	48051	7905	1581	1024
15°	239184	81499	5585	568	386
20°	316264	101485	3594	187	187
25°	343181	98667	2008	97	194
30°	374361	78645	836	101	203
35°	390081	48934	214	107	214
40°	370151	21383	115	229	372
45°	247095	8528	124	403	651
50°	82863	1433	273	580	853
55°	4626	153	306	803	1109
60°	351	175	570	921	1272
65°	415	208	675	1090	1505
70°	256	256	833	1346	1603
75°	339	339	1101	1440	1779
80°	0	505	1642	1642	1642
85°	0	1006	3271	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 247095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	1.8
10°-20°	66.8	14.4
20°-30°	141.0	30.3
30°-40°	159.9	34.4
40°-50°	78.7	16.9
50°-60°	6.8	1.5
60°-70°	1.4	0.3
70°-80°	1.3	0.3
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°	216.2	46.5
0°-40°	376.1	80.9
0°-60°	461.7	99.3
0°-90°	465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	465.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	166	108	46	19	14	27
15°	1054	359	25	2	2	300
25°	1418	408	8	0	1	660
35°	1457	183	1	0	1	898
45°	797	28	0	1	2	589
55°	12	0	1	2	3	47
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
2.5°	84.7	86.8	86.0	85.6	85.2	83.5	79.7	79.3	75.6	73.0	60.5
5°	165.7	162.4	163.2	158.6	152.8	144.4	139.0	127.3	117.7	107.7	70.5
7.5°	312.2	307.6	298.9	285.5	271.7	253.8	226.7	204.9	179.9	156.1	78.5
10°	527.2	524.7	513.4	479.2	449.1	401.1	356.1	308.5	261.7	215.8	83.9
12.5°	814.4	797.3	776.8	731.3	672.0	611.9	523.0	440.8	366.1	289.3	84.3
15°	1053.6	1042.7	1013.9	954.6	883.2	796.4	690.8	580.2	467.5	359.0	80.1
17.5°	1246.0	1229.3	1192.1	1134.1	1051.9	939.2	815.6	680.8	543.5	408.6	73.0
20°	1355.3	1346.6	1318.2	1260.2	1170.4	1047.3	906.6	749.7	591.1	434.9	63.9
22.5°	1410.4	1404.2	1383.3	1337.0	1253.1	1129.1	968.0	785.6	604.8	432.0	54.3
25°	1418.4	1416.7	1398.8	1363.7	1293.6	1170.8	994.7	792.3	593.6	407.8	45.1
27.5°	1445.9	1440.1	1418.8	1383.7	1313.2	1177.9	985.5	769.3	557.2	365.2	37.6
30°	1478.5	1474.3	1453.0	1416.7	1333.2	1171.3	953.0	718.4	499.2	310.6	28.0
32.5°	1476.0	1474.3	1456.4	1418.0	1319.0	1132.0	894.9	642.0	420.3	245.0	17.5
35°	1457.2	1451.3	1428.8	1369.5	1238.0	1031.0	784.7	538.5	332.7	182.8	11.3
37.5°	1412.1	1399.6	1361.6	1261.0	1093.2	875.3	639.1	415.7	235.4	122.3	7.1
40°	1293.1	1277.3	1200.9	1079.4	903.7	689.6	475.4	285.9	155.3	74.7	2.9
42.5°	1072.8	1040.6	964.2	839.4	674.5	487.5	312.2	185.3	91.4	45.1	0.8
45°	796.8	772.2	692.1	579.0	442.0	312.6	189.1	100.2	50.5	27.5	0.4
47.5°	464.2	449.1	407.8	333.5	244.2	164.0	96.8	53.8	29.6	13.4	0.4
50°	242.9	224.2	192.8	146.1	107.7	75.6	47.2	28.8	14.6	4.2	0.4
52.5°	85.2	83.9	76.4	57.6	46.8	33.8	23.0	12.5	4.2	0.8	0.4
55°	12.1	12.1	11.3	12.5	13.4	12.1	7.9	3.3	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.3	1.7	1.7	1.3	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
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	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	48.8	48.8	48.8	48.8	48.8
2.5°	48.4	38.8	30.9	27.1	25.9
5°	45.5	29.2	19.2	15.0	14.2
7.5°	40.5	20.9	11.7	8.3	7.9
10°	35.5	15.0	7.1	5.0	4.6
12.5°	29.6	10.4	4.6	2.9	2.5
15°	24.6	7.1	2.5	2.1	1.7
17.5°	19.6	4.6	1.7	1.3	1.7
20°	15.4	2.9	0.8	0.8	0.8
22.5°	11.7	1.7	0.8	0.8	0.8
25°	8.3	0.8	0.4	0.4	0.8
27.5°	5.8	0.4	0.4	0.4	0.8
30°	3.3	0.4	0.4	0.4	0.8
32.5°	1.7	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.3
40°	0.4	0.4	0.8	1.3	1.3
42.5°	0.4	0.4	0.8	1.3	1.7
45°	0.4	0.8	1.3	1.7	2.1
47.5°	0.8	0.8	1.7	2.1	2.5
50°	0.8	1.3	1.7	2.5	2.5
52.5°	0.8	1.3	2.1	2.5	2.9
55°	0.8	1.7	2.1	2.9	2.9
57.5°	1.3	1.7	2.1	2.9	2.9
60°	1.3	1.7	2.1	2.9	2.9
62.5°	1.3	1.7	2.1	2.9	2.9
65°	1.3	1.7	2.1	2.9	2.9
67.5°	1.3	1.7	2.1	2.5	2.9
70°	1.3	1.7	2.1	2.5	2.5
72.5°	1.7	1.7	2.1	2.5	2.5
75°	1.3	1.7	1.7	2.1	2.1
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	0.8	0.8	1.3	1.3
85°	1.3	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)