

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: P1345015

Luminaire Tested: P3A13R309735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

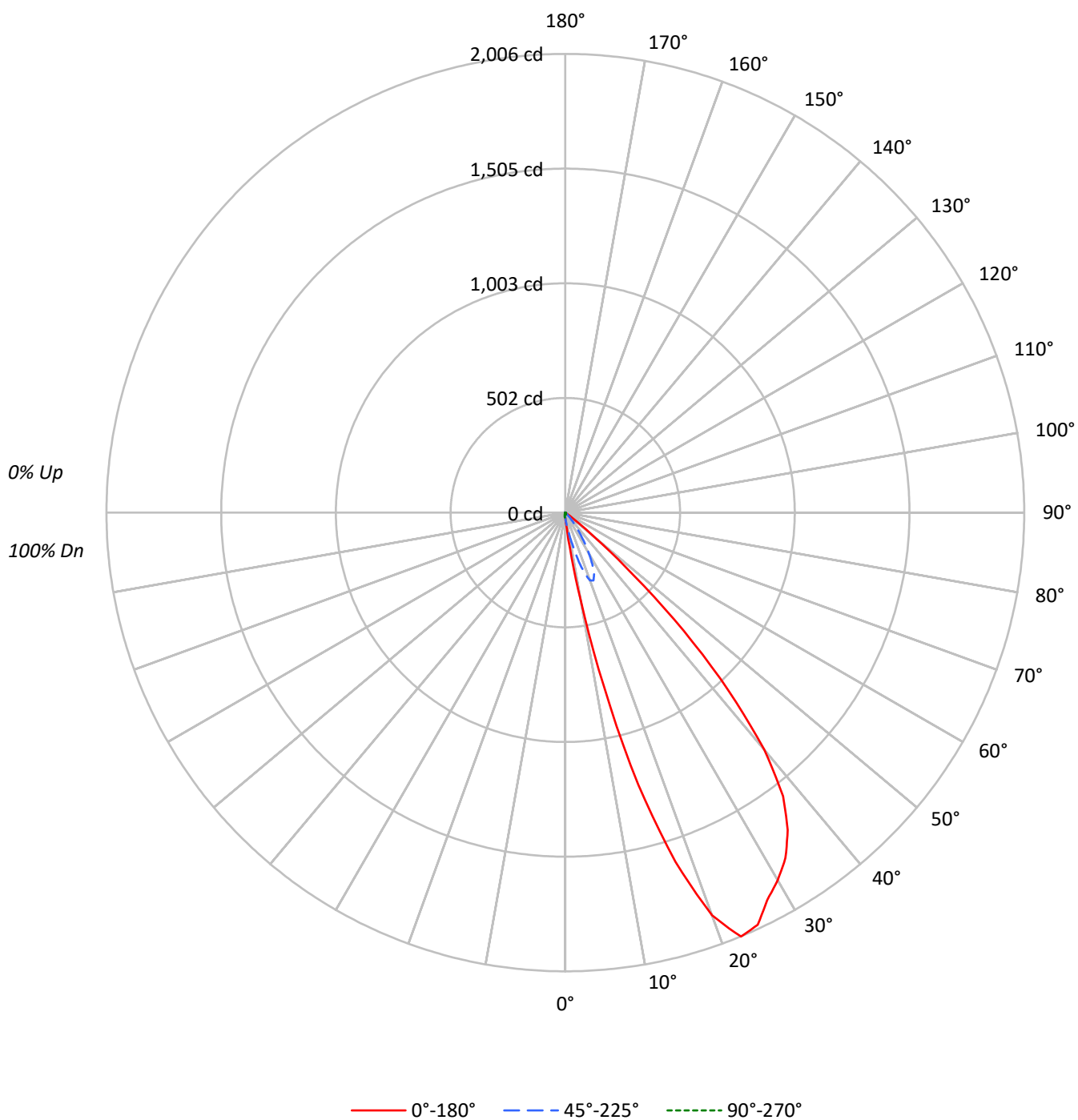
Lumens per Lamp: N/A
Luminaire Lumens: 473.0 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4934	4934	4934	4934	4934
5°	14836	9905	4667	2091	1717
10°	85948	20975	3652	957	668
15°	279548	47583	2543	204	91
20°	437421	73623	1610	0	0
25°	481237	71956	847	0	0
30°	470047	51881	329	0	0
35°	453658	29500	107	0	0
40°	386868	12509	0	0	0
45°	227062	4683	124	0	124
50°	55128	887	136	136	443
55°	4779	0	344	497	650
60°	175	0	395	570	965
65°	208	208	675	675	1141
70°	256	256	833	833	1090
75°	0	339	1101	1101	1101
80°	0	505	1642	1137	1137
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 227062 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.9
10°-20°	65.0	13.7
20°-30°	165.2	34.9
30°-40°	164.7	34.8
40°-50°	66.7	14.1
50°-60°	4.6	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
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°	234.3	49.5
0°-40°	399.0	84.4
0°-60°	470.3	99.4
0°-90°	473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	67	45	21	10	8	16
15°	1231	210	11	1	0	358
25°	1989	297	4	0	0	898
35°	1695	110	0	0	0	1039
45°	732	15	0	0	0	559
55°	12	0	1	1	2	33
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	37.2	37.6	37.6	36.7	36.3	36.3	35.0	34.6	33.3	32.0	27.7
5°	67.4	66.1	64.4	64.4	60.5	58.3	55.3	51.9	49.3	45.0	32.0
7.5°	153.0	142.6	139.6	135.7	121.0	109.4	96.0	84.3	73.5	64.4	35.4
10°	386.0	365.7	348.8	314.7	271.9	230.8	192.8	148.7	118.4	94.2	38.0
12.5°	777.6	750.3	717.9	655.7	575.7	473.3	382.5	285.7	200.5	138.7	38.9
15°	1231.4	1185.1	1134.6	1055.5	924.5	777.6	613.7	459.4	322.0	209.6	38.0
17.5°	1601.4	1583.2	1508.4	1400.4	1240.0	1050.7	848.9	637.9	434.4	274.5	35.4
20°	1874.5	1862.0	1771.6	1656.7	1476.0	1259.0	1002.7	749.5	512.6	315.5	31.6
22.5°	2006.3	2004.2	1938.9	1821.3	1629.9	1383.9	1101.7	813.9	536.8	321.1	26.4
25°	1989.0	1996.8	1959.7	1872.3	1688.7	1435.4	1131.1	813.9	519.1	297.4	22.0
27.5°	1910.4	1915.6	1892.2	1825.2	1654.1	1398.2	1090.0	761.6	467.7	255.4	18.2
30°	1856.4	1858.5	1829.6	1757.8	1576.3	1313.5	993.2	664.7	389.9	204.9	13.4
32.5°	1790.7	1790.2	1756.5	1674.4	1474.3	1194.6	870.5	549.3	299.5	155.6	7.8
35°	1694.7	1683.9	1638.1	1543.4	1322.1	1034.7	713.6	418.4	215.7	110.2	4.8
37.5°	1562.9	1534.8	1470.0	1343.3	1108.6	811.3	529.0	293.9	147.4	73.0	3.0
40°	1351.5	1321.7	1233.5	1079.7	838.5	583.9	356.6	191.5	92.9	43.7	1.7
42.5°	1059.8	1039.5	920.6	767.2	553.7	372.6	214.4	113.2	52.3	25.1	0.4
45°	732.2	705.8	612.4	482.4	332.4	206.6	120.2	59.2	29.8	15.1	0.0
47.5°	404.1	371.7	317.7	249.8	167.3	108.5	60.5	32.0	16.9	7.3	0.0
50°	161.6	160.4	127.5	90.8	64.0	49.3	30.3	17.3	8.6	2.6	0.4
52.5°	56.6	56.6	48.8	39.8	31.1	22.5	15.1	8.2	3.0	0.9	0.4
55°	12.5	13.8	13.0	12.1	11.7	9.9	6.5	3.0	0.9	0.0	0.4
57.5°	1.3	1.3	1.3	1.7	2.2	2.2	1.7	0.9	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.9
65°	0.4	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°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	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	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	22.5	22.5	22.5	22.5	22.5
2.5°	22.5	17.7	14.7	13.0	12.5
5°	21.2	13.4	9.5	8.2	7.8
7.5°	19.0	9.9	6.5	5.2	4.8
10°	16.4	7.3	4.3	3.0	3.0
12.5°	13.8	5.6	2.6	1.3	0.9
15°	11.2	3.5	0.9	0.4	0.4
17.5°	8.6	2.2	0.0	0.0	0.0
20°	6.9	0.9	0.0	0.0	0.0
22.5°	5.2	0.4	0.0	0.0	0.0
25°	3.5	0.0	0.0	0.0	0.0
27.5°	2.2	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.9	0.9
50°	0.4	0.4	0.4	0.9	1.3
52.5°	0.9	0.4	0.9	1.3	1.3
55°	0.9	0.9	1.3	1.7	1.7
57.5°	0.9	0.9	1.3	1.7	1.7
60°	0.9	0.9	1.3	1.7	2.2
62.5°	1.3	1.3	1.3	1.7	1.7
65°	1.3	1.3	1.3	1.7	2.2
67.5°	1.3	1.3	1.3	1.7	2.2
70°	1.3	1.3	1.3	1.7	1.7
72.5°	1.7	1.3	1.3	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	0.9	1.3	1.3
80°	1.3	0.9	0.9	0.9	0.9
82.5°	1.3	0.9	0.9	0.9	0.9
85°	1.3	0.9	0.4	0.4	0.4
87.5°	1.3	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)