

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: P1337431

Luminaire Tested: P3A05R259740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

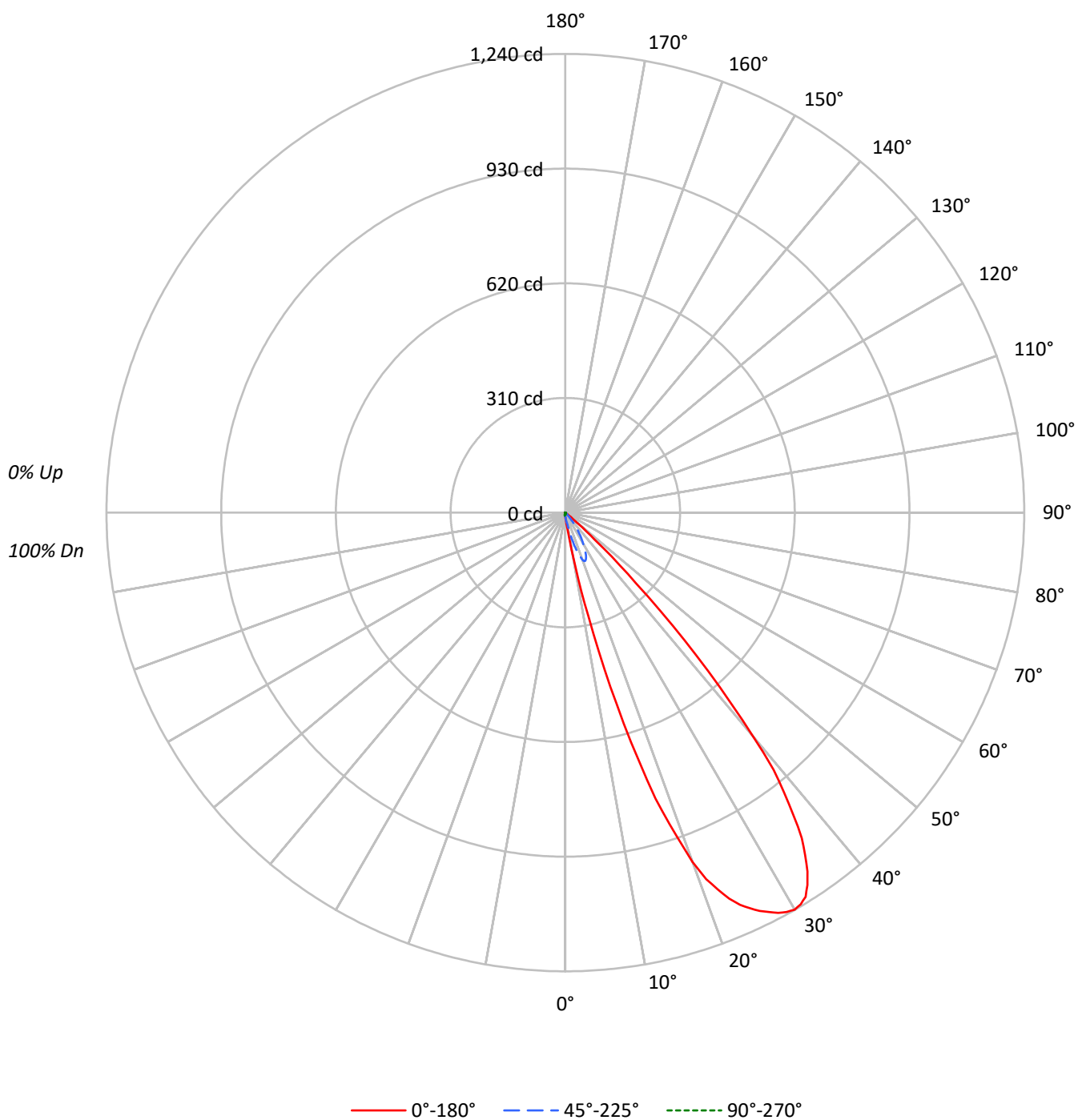
Lumens per Lamp: N/A
Luminaire Lumens: 248.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2324	2324	2324	2324	2324
5°	5855	4336	2179	1123	858
10°	25606	7370	1804	512	356
15°	121771	19864	1271	204	159
20°	234404	31806	817	47	47
25°	285452	32082	460	0	0
30°	313846	24561	177	0	0
35°	302466	15606	54	0	0
40°	225995	6756	0	0	57
45°	83668	1799	62	62	217
50°	9859	239	171	171	307
55°	956	0	191	268	459
60°	88	0	307	395	526
65°	104	104	467	623	726
70°	128	128	577	577	898
75°	169	169	593	593	763
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 83668 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	28.9	11.7
20°-30°	90.8	36.6
30°-40°	95.5	38.5
40°-50°	28.1	11.3
50°-60°	1.5	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.3
80°-90°	0.3	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°	121.2	48.9
0°-40°	216.7	87.4
0°-60°	246.3	99.3
0°-90°	248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	27	20	10	5	4	5
15°	536	88	6	1	1	169
25°	1180	133	2	0	0	541
35°	1130	58	0	0	0	682
45°	270	6	0	0	1	245
55°	2	0	0	1	1	6
65°	0	0	1	1	1	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°	45°	67.5°	90°	112.5°
0°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	16.4	16.7	16.0	16.4	16.0	15.7	15.5	14.3	12.5	10.6	8.8
5°	26.6	26.6	25.5	25.2	24.8	23.8	22.9	19.7	14.1	9.9	6.9
7.5°	41.6	41.4	41.0	39.8	37.5	35.2	32.9	25.7	15.5	9.3	5.3
10°	115.0	113.4	111.3	98.8	84.7	72.2	61.3	33.1	16.7	8.1	3.9
12.5°	285.8	276.5	254.5	229.5	197.6	164.1	131.2	53.9	17.1	6.7	2.8
15°	536.4	517.2	482.9	432.9	367.7	294.3	231.8	87.5	16.7	5.6	2.1
17.5°	809.9	791.3	743.9	668.0	572.0	459.3	348.7	115.9	15.5	4.6	1.4
20°	1004.5	984.8	940.4	859.8	755.9	605.8	459.1	136.3	14.6	3.5	0.7
21°	1061.4	1041.7	994.7	917.0	807.8	657.1	494.5	139.8	13.9	3.0	0.5
22°	1097.5	1085.9	1035.5	960.0	848.7	698.3	524.8	141.4	13.4	2.8	0.5
23°	1133.8	1116.4	1069.2	989.6	880.0	728.9	547.2	140.2	13.0	2.3	0.2
24°	1160.6	1146.1	1091.2	1012.6	901.7	747.6	560.4	137.2	12.3	2.1	0.2
25°	1179.8	1166.4	1109.3	1028.1	916.3	757.8	564.6	132.6	11.6	1.9	0.2
26°	1198.1	1183.5	1124.3	1037.1	923.9	761.0	560.7	127.5	10.9	1.6	0.0
27°	1211.3	1196.5	1134.7	1042.4	924.4	757.1	550.0	120.6	10.2	1.4	0.0
28°	1225.4	1208.3	1141.9	1045.4	921.6	747.8	534.7	113.1	9.7	1.2	0.0
29°	1234.0	1217.8	1149.3	1048.6	915.8	732.3	512.5	104.4	8.6	0.7	0.0
30°	1239.5	1220.3	1148.6	1045.2	908.2	715.7	485.9	97.0	7.4	0.7	0.0
31°	1234.9	1214.8	1141.2	1035.5	895.9	693.9	458.6	87.7	6.0	0.5	0.0
32°	1225.0	1201.1	1128.2	1018.6	873.9	665.9	430.4	80.1	4.4	0.5	0.0
33°	1200.7	1180.5	1104.9	995.9	845.3	628.0	393.6	72.7	3.0	0.2	0.0
34°	1170.1	1150.0	1072.9	965.6	806.8	578.9	348.9	65.0	2.5	0.2	0.0
35°	1129.9	1110.0	1036.8	923.2	755.9	519.9	302.9	58.3	2.1	0.2	0.0
36°	1087.5	1061.1	991.3	878.1	687.7	452.8	253.6	50.7	1.6	0.2	0.0
37°	1025.3	1007.5	929.9	809.4	613.9	388.5	217.7	43.7	1.2	0.2	0.0
38°	960.7	944.3	868.6	740.2	531.5	324.9	182.3	37.0	0.9	0.0	0.0
39°	894.1	866.8	792.0	651.6	445.2	272.1	153.4	31.0	0.5	0.0	0.0
40°	789.5	768.7	688.8	545.1	368.4	220.5	130.7	23.6	0.5	0.0	0.0
42.5°	523.4	504.0	420.2	295.7	195.8	128.9	86.3	9.3	0.0	0.2	0.0
45°	269.8	257.5	209.2	154.8	111.1	79.1	55.5	5.8	0.0	0.2	0.2
47.5°	107.1	105.0	94.9	81.9	63.2	47.0	30.3	2.5	0.0	0.2	0.2
50°	28.9	29.2	27.3	25.2	22.9	21.5	12.7	0.7	0.0	0.5	0.2
52.5°	12.3	12.5	12.0	11.3	10.2	7.6	5.1	0.2	0.2	0.5	0.5
55°	2.5	2.8	3.0	3.2	3.7	3.2	2.1	0.0	0.2	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.0	0.2	0.5	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.7	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
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):

	135°	157.5°	180°
0°	10.6	10.6	10.6
2.5°	7.4	6.7	6.5
5°	5.1	4.4	3.9
7.5°	3.5	2.8	2.5
10°	2.3	1.9	1.6
12.5°	1.6	0.9	0.9
15°	0.9	0.7	0.7
17.5°	0.5	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.5
45°	0.2	0.5	0.7
47.5°	0.5	0.7	0.9
50°	0.5	0.9	0.9
52.5°	0.7	0.9	1.2
55°	0.7	1.2	1.2
57.5°	0.9	1.2	1.4
60°	0.9	1.2	1.2
62.5°	0.9	1.4	1.4
65°	1.2	1.4	1.4
67.5°	1.2	1.4	1.4
70°	0.9	1.2	1.4
72.5°	0.9	1.2	1.2
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.5	0.7	0.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)