

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: P1337312

Luminaire Tested: P3A05R259030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337312
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: P3A05R259030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

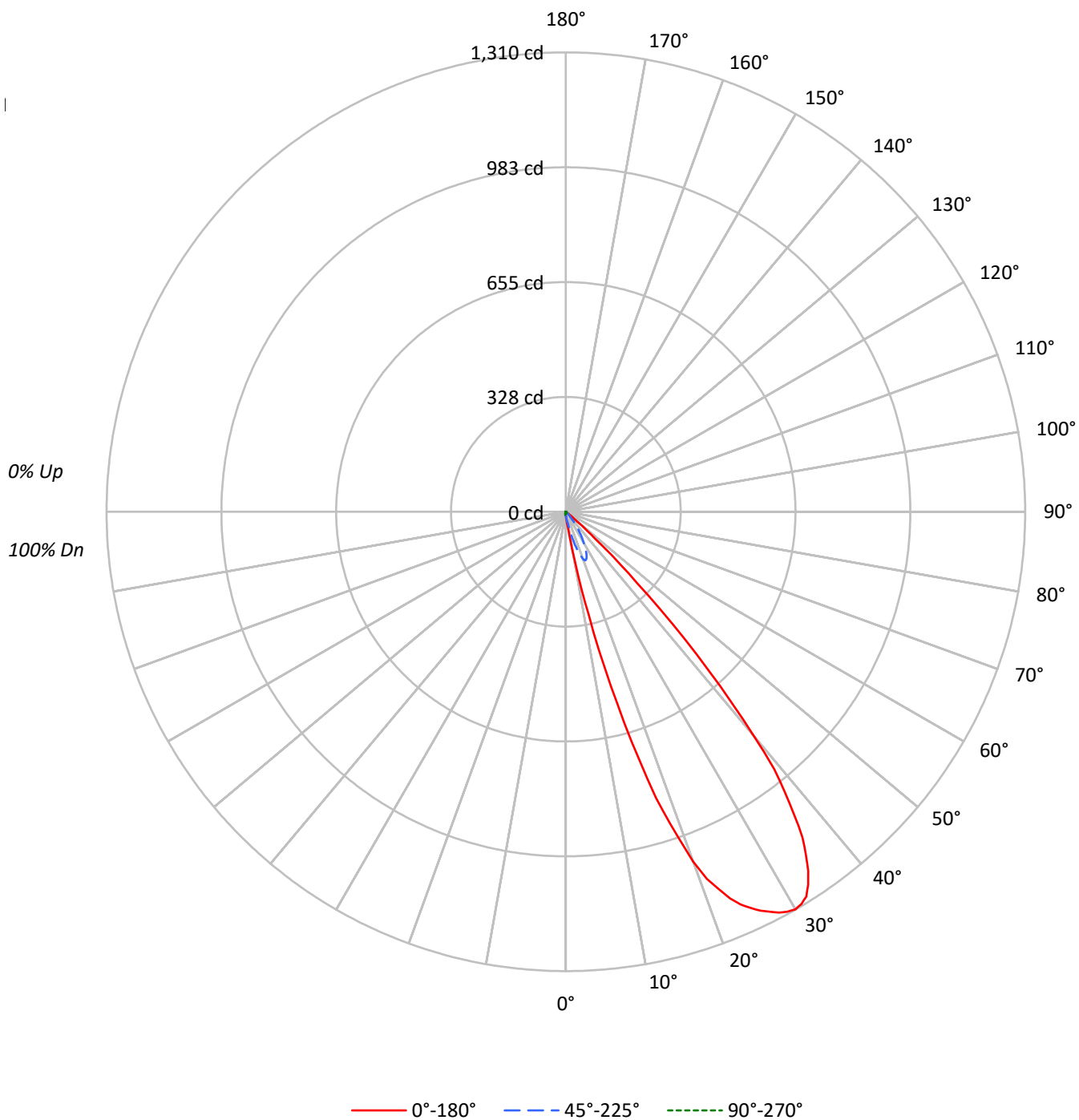
Lumens per Lamp: N/A
Luminaire Lumens: 261.9 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	104	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2456	2456	2456	2456	2456
5°	6185	4578	2311	1189	924
10°	27054	7793	1915	534	379
15°	128627	20976	1339	227	159
20°	247635	33603	863	47	47
25°	301566	33897	484	0	0
30°	331570	25928	177	0	0
35°	319518	16490	54	0	0
40°	238762	7128	0	0	57
45°	88381	1892	62	62	217
50°	10439	239	171	171	341
55°	1032	0	191	268	459
60°	88	0	307	439	526
65°	104	104	519	623	778
70°	128	128	641	641	962
75°	169	169	593	593	847
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.6
10°-20°	30.5	11.7
20°-30°	95.9	36.6
30°-40°	100.9	38.5
40°-50°	29.6	11.3
50°-60°	1.6	0.6
60°-70°	0.8	0.3
70°-80°	0.6	0.2
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°	128.1	48.9
0°-40°	229.0	87.4
0°-60°	260.2	99.3
0°-90°	261.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	28	21	10	5	4	5
15°	567	92	6	1	1	179
25°	1246	140	2	0	0	572
35°	1194	62	0	0	0	720
45°	285	6	0	0	1	259
55°	3	0	0	1	1	7
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°	45°	67.5°	90°	112.5°
0°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
2.5°	17.4	17.6	16.9	17.4	16.9	16.6	16.4	15.2	13.2	11.2	9.3
5°	28.1	28.1	26.9	26.6	26.2	25.2	24.2	20.8	14.9	10.5	7.3
7.5°	44.0	43.8	43.3	42.0	39.6	37.2	34.7	27.1	16.4	9.8	5.6
10°	121.5	119.8	117.6	104.4	89.5	76.3	64.8	35.0	17.6	8.6	4.2
12.5°	301.9	292.1	268.9	242.5	208.8	173.3	138.6	57.0	18.1	7.1	2.9
15°	566.6	546.3	510.2	457.4	388.4	310.9	244.9	92.4	17.6	5.9	2.2
17.5°	855.6	836.0	785.9	705.7	604.3	485.2	368.4	122.5	16.4	4.9	1.5
20°	1061.2	1040.4	993.4	908.4	798.6	640.0	485.0	144.0	15.4	3.7	0.7
21°	1121.3	1100.5	1050.9	968.8	853.4	694.2	522.4	147.6	14.7	3.2	0.5
22°	1159.4	1147.2	1093.9	1014.2	896.6	737.7	554.4	149.4	14.2	2.9	0.5
23°	1197.8	1179.5	1129.6	1045.5	929.6	770.0	578.1	148.1	13.7	2.4	0.2
24°	1226.2	1210.8	1152.8	1069.7	952.6	789.8	592.1	145.0	13.0	2.2	0.2
25°	1246.4	1232.3	1171.9	1086.1	968.0	800.6	596.5	140.1	12.2	2.0	0.2
26°	1265.8	1250.4	1187.8	1095.6	976.1	804.0	592.3	134.7	11.5	1.7	0.0
27°	1279.7	1264.0	1198.8	1101.2	976.6	799.8	581.1	127.4	10.8	1.5	0.0
28°	1294.6	1276.5	1206.4	1104.4	973.6	790.1	564.9	119.5	10.3	1.2	0.0
29°	1303.6	1286.5	1214.2	1107.8	967.5	773.7	541.5	110.2	9.0	0.7	0.0
30°	1309.5	1289.2	1213.4	1104.2	959.5	756.1	513.3	102.4	7.8	0.7	0.0
31°	1304.6	1283.4	1205.6	1093.9	946.5	733.1	484.5	92.6	6.4	0.5	0.0
32°	1294.1	1268.9	1191.9	1076.1	923.3	703.5	454.7	84.6	4.6	0.5	0.0
33°	1268.4	1247.2	1167.2	1052.1	893.0	663.4	415.8	76.8	3.2	0.2	0.0
34°	1236.2	1214.9	1133.5	1020.1	852.4	611.6	368.6	68.7	2.7	0.2	0.0
35°	1193.6	1172.6	1095.4	975.4	798.6	549.3	320.0	61.6	2.2	0.2	0.0
36°	1148.9	1121.0	1047.2	927.7	726.5	478.4	267.9	53.5	1.7	0.2	0.0
37°	1083.2	1064.3	982.4	855.1	648.5	410.4	230.0	46.2	1.2	0.2	0.0
38°	1015.0	997.6	917.7	782.0	561.5	343.2	192.6	39.1	1.0	0.0	0.0
39°	944.6	915.7	836.8	688.4	470.3	287.5	162.1	32.8	0.5	0.0	0.0
40°	834.1	812.1	727.7	575.9	389.2	233.0	138.1	24.9	0.5	0.0	0.0
42.5°	552.9	532.4	443.9	312.4	206.8	136.2	91.2	9.8	0.0	0.2	0.0
45°	285.0	272.1	221.0	163.5	117.3	83.6	58.7	6.1	0.0	0.2	0.2
47.5°	113.2	111.0	100.2	86.5	66.7	49.6	32.0	2.7	0.0	0.2	0.2
50°	30.6	30.8	28.8	26.6	24.2	22.7	13.4	0.7	0.0	0.5	0.2
52.5°	13.0	13.2	12.7	12.0	10.8	8.1	5.4	0.2	0.2	0.5	0.5
55°	2.7	2.9	3.2	3.4	3.9	3.4	2.2	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	1.0
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	1.0	1.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	1.0
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	1.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	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°	11.2	11.2	11.2
2.5°	7.8	7.1	6.8
5°	5.4	4.6	4.2
7.5°	3.7	2.9	2.7
10°	2.4	2.0	1.7
12.5°	1.7	1.0	1.0
15°	1.0	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	1.0
50°	0.5	1.0	1.0
52.5°	0.7	1.0	1.2
55°	0.7	1.2	1.2
57.5°	1.0	1.2	1.5
60°	1.0	1.2	1.2
62.5°	1.0	1.5	1.5
65°	1.2	1.5	1.5
67.5°	1.2	1.5	1.5
70°	1.0	1.2	1.5
72.5°	1.0	1.2	1.2
75°	0.7	1.0	1.0
77.5°	0.7	0.7	1.0
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)