

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: P1339359

Luminaire Tested: P3A05R459030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R459030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

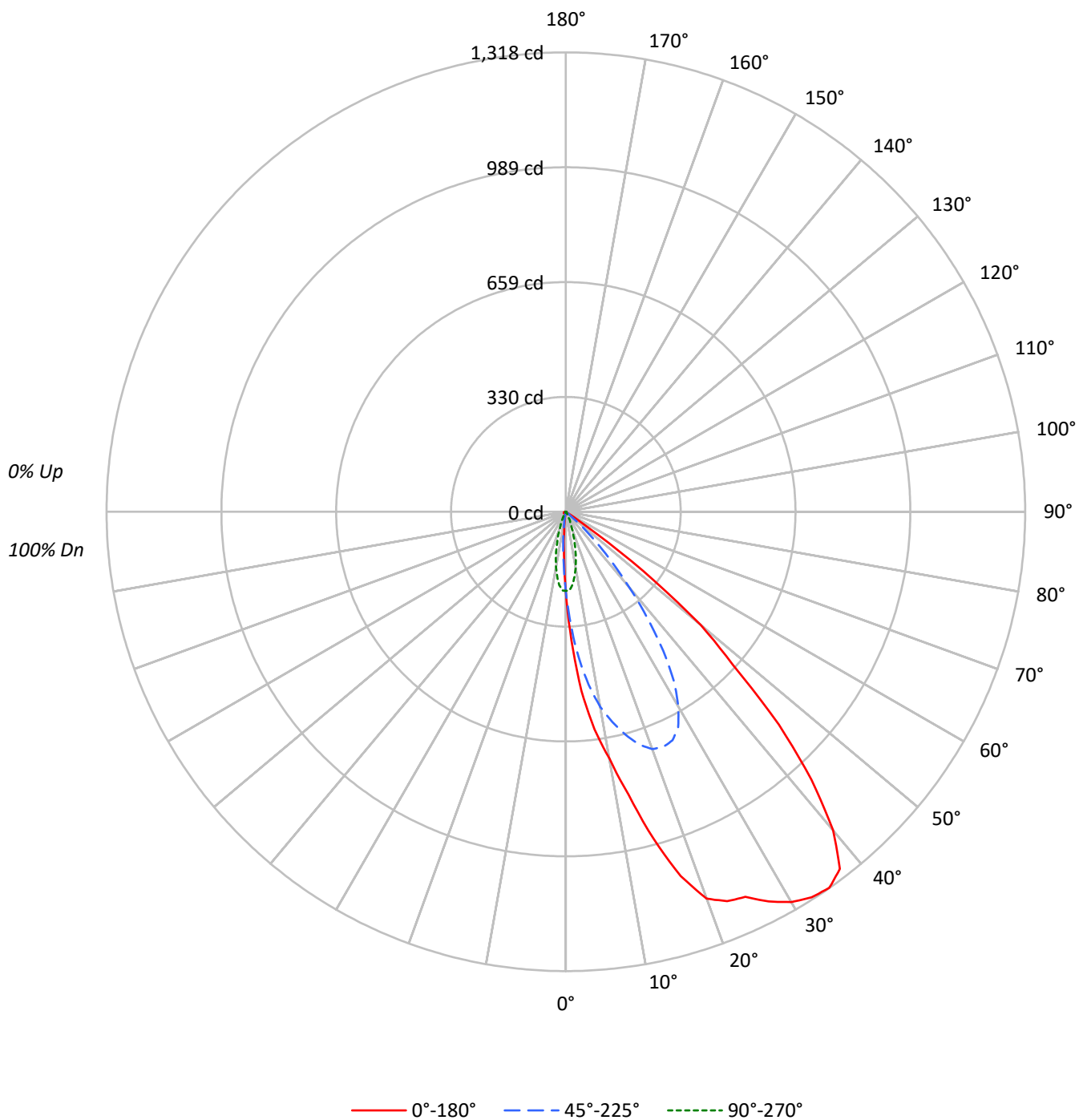
Lumens per Lamp: N/A
Luminaire Lumens: 597.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49821	49821	49821	49821	49821
5°	113537	92097	46599	18688	12745
10°	159984	126517	36027	4119	1893
15°	220455	150512	23019	1362	1135
20°	275661	169041	11994	933	933
25°	294985	175050	5565	726	847
30°	327417	163468	2532	760	886
35°	352711	130313	803	803	1071
40°	341297	80751	429	1002	1288
45°	267997	38081	465	1240	1551
50°	172208	4435	682	1535	2047
55°	26150	382	765	1912	2485
60°	439	439	877	2193	2631
65°	519	519	1038	2335	3113
70°	641	641	1282	2565	3526
75°	424	847	1694	2965	3813
80°	631	1263	1894	3157	4420
85°	0	1258	2516	3774	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 267997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	4.2
10°-20°	89.9	15.1
20°-30°	157.9	26.5
30°-40°	179.3	30.0
40°-50°	116.1	19.4
50°-60°	22.8	3.8
60°-70°	2.8	0.5
70°-80°	2.3	0.4
80°-90°	1.0	0.2
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°	272.7	45.7
0°-40°	452.0	75.7
0°-60°	590.9	99.0
0°-90°	597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	597.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	227	227	227	227	227	
5°	516	418	212	85	58	55
15°	971	663	101	6	5	280
25°	1219	724	23	3	4	572
35°	1318	487	3	3	4	810
45°	864	123	2	4	5	651
55°	68	1	2	5	6	131
65°	1	1	2	4	6	1
75°	0	1	2	4	4	1
85°	0	0	1	2	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	369.0	368.0	369.5	359.5	359.0	351.5	349.5	341.0	329.5	324.0	311.0
5°	515.8	510.8	510.8	498.8	494.8	486.3	471.8	453.8	438.9	418.4	396.4
7.5°	629.1	628.1	628.1	617.6	607.6	595.6	576.2	555.7	531.7	500.3	468.3
10°	718.5	720.0	715.5	706.0	691.5	678.5	655.5	630.6	601.1	568.2	525.7
12.5°	831.3	820.3	816.8	795.3	776.9	751.9	724.4	696.0	659.5	618.1	570.2
15°	971.1	957.1	943.1	914.7	883.7	845.3	802.3	760.4	713.5	663.0	603.1
17.5°	1095.9	1095.9	1077.4	1032.5	992.6	935.6	877.7	821.8	766.4	700.0	625.1
20°	1181.3	1176.8	1162.8	1129.9	1084.4	1020.0	944.6	866.2	799.3	724.4	637.6
22.5°	1209.2	1208.2	1208.7	1189.3	1152.8	1085.9	993.6	901.2	817.3	730.4	631.6
25°	1219.2	1221.2	1226.2	1218.7	1191.3	1124.4	1023.5	917.7	822.8	723.5	608.6
27.5°	1260.7	1256.7	1262.2	1257.2	1226.2	1146.3	1029.5	913.7	810.8	698.0	567.7
30°	1293.1	1292.1	1301.6	1297.1	1256.7	1160.3	1024.0	898.7	781.4	645.6	503.3
32.5°	1311.6	1312.1	1314.6	1296.1	1236.2	1129.9	997.1	868.2	725.9	577.2	419.4
35°	1317.6	1314.6	1300.6	1255.2	1173.3	1059.5	930.6	795.8	650.6	486.8	331.5
37.5°	1291.6	1276.1	1240.2	1172.3	1077.4	971.1	845.8	704.5	547.2	384.4	247.1
40°	1192.3	1171.8	1126.4	1057.0	968.6	865.7	737.4	589.6	424.4	282.1	173.7
42.5°	1043.5	1033.0	985.6	925.2	850.3	746.4	614.1	464.3	314.0	194.7	110.8
45°	864.2	850.8	820.8	767.4	708.5	599.6	476.3	332.5	214.2	122.8	54.9
47.5°	648.1	649.1	628.6	588.1	530.2	439.4	326.0	223.2	134.3	63.4	12.5
50°	504.8	497.8	468.8	427.4	360.0	292.6	210.7	140.8	70.9	13.0	1.0
52.5°	279.6	284.1	268.6	255.1	220.2	174.7	124.3	71.4	15.0	1.5	1.0
55°	68.4	72.4	69.4	70.9	73.4	65.4	50.4	14.0	1.5	1.0	1.0
57.5°	1.5	1.5	1.5	1.5	2.5	3.5	3.5	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	304.6	295.1	277.6	225.7	181.2	146.3	125.3	123.3
5°	377.0	351.5	314.5	211.7	133.8	84.9	61.4	57.9
7.5°	434.4	398.4	341.5	188.7	91.4	43.4	24.0	20.0
10°	481.8	430.9	355.5	161.8	57.4	18.5	10.0	8.5
12.5°	514.3	452.8	358.0	131.8	33.0	9.0	6.5	6.0
15°	535.2	459.8	346.0	101.4	18.5	6.0	5.5	5.0
17.5°	543.7	453.8	323.0	73.4	10.0	4.5	4.5	4.5
20°	539.7	434.4	289.1	51.4	6.5	4.0	4.0	4.0
22.5°	520.7	400.9	246.6	34.5	4.5	3.5	3.5	3.5
25°	483.3	355.5	201.7	23.0	3.0	3.0	3.5	3.5
27.5°	427.4	299.6	154.3	15.5	2.5	3.0	3.5	3.5
30°	357.0	237.2	110.8	10.0	2.5	3.0	3.0	3.5
32.5°	283.6	172.7	72.9	6.0	2.0	3.0	3.5	4.0
35°	205.7	117.8	46.4	3.0	2.5	3.0	3.5	4.0
37.5°	144.3	76.9	27.0	2.0	2.5	3.0	4.0	4.0
40°	93.9	42.9	10.0	1.5	2.5	3.5	4.0	4.5
42.5°	48.9	15.0	2.0	1.5	2.5	3.5	4.5	5.0
45°	12.5	2.0	0.5	1.5	3.0	4.0	5.0	5.0
47.5°	1.5	0.5	0.5	2.0	3.0	4.5	5.0	5.5
50°	0.5	1.0	1.0	2.0	3.0	4.5	5.5	6.0
52.5°	1.0	1.0	1.0	2.0	3.5	4.5	6.0	6.5
55°	1.0	1.0	1.0	2.0	3.5	5.0	6.0	6.5
57.5°	1.0	1.0	1.0	2.0	3.5	5.0	6.0	6.0
60°	1.0	1.0	1.0	2.0	3.5	5.0	6.0	6.0
62.5°	1.0	1.0	1.5	2.0	3.5	4.5	6.0	6.0
65°	1.0	1.5	1.5	2.0	3.5	4.5	5.5	6.0
67.5°	1.0	1.0	1.5	2.0	3.5	4.5	5.5	6.0
70°	1.0	1.0	1.5	2.0	3.0	4.0	5.0	5.5
72.5°	1.0	1.0	1.5	2.0	3.0	4.0	4.5	5.0
75°	1.0	1.0	1.5	2.0	2.5	3.5	4.5	4.5
77.5°	1.0	1.0	1.5	1.5	2.5	3.0	4.0	4.0
80°	1.0	1.0	1.5	1.5	2.0	2.5	3.0	3.5
82.5°	1.0	1.0	1.0	1.5	1.5	2.0	2.5	2.5
85°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
87.5°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)