

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: P1345415

Luminaire Tested: P3A13R359030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345415
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: P3A13R359030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

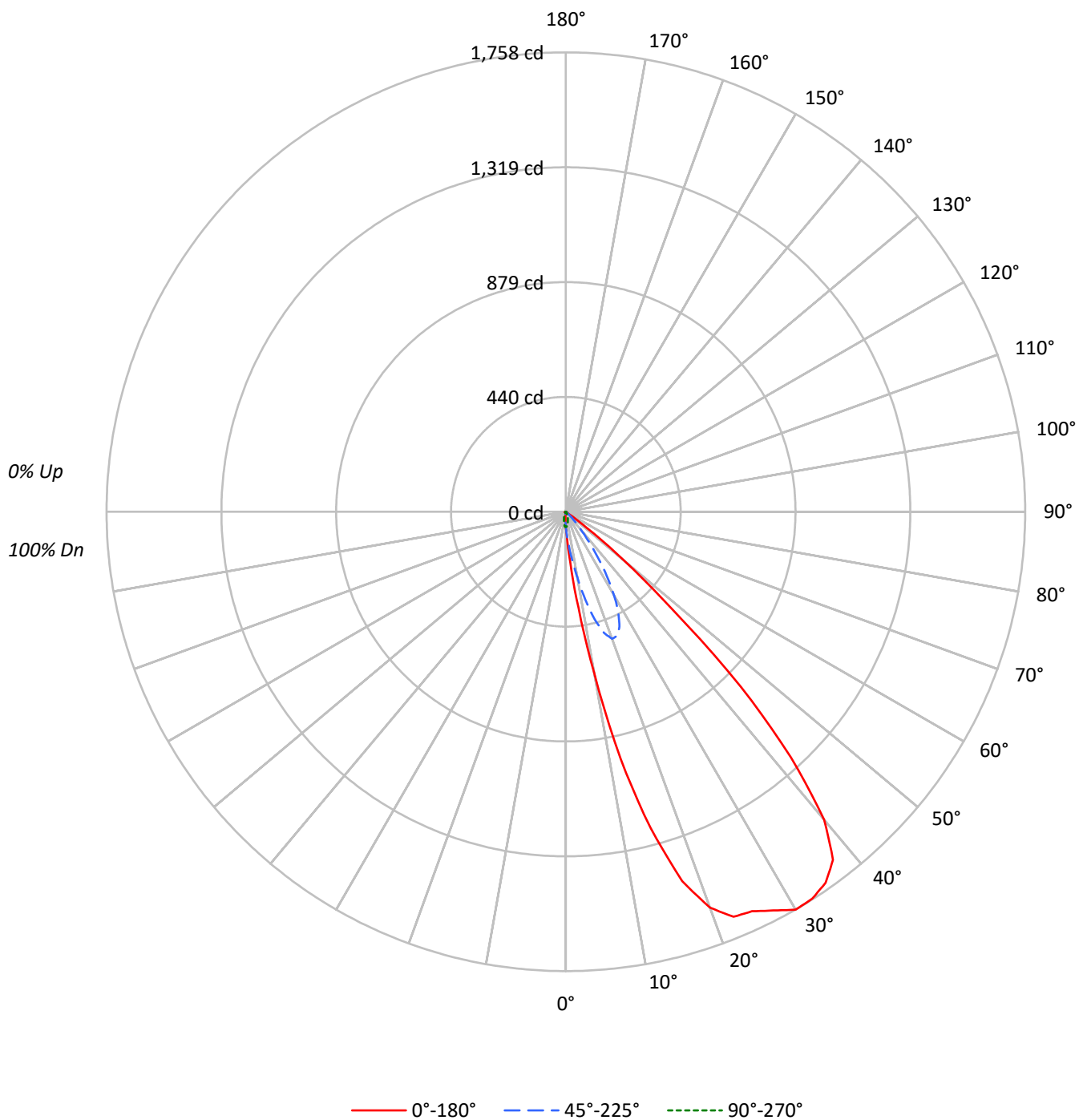
Lumens per Lamp: N/A
Luminaire Lumens: 553.0 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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	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°	12740	12740	12740	12740	12740
5°	43385	28197	11908	5019	3720
10°	139610	57135	9396	1870	1225
15°	284428	96913	6652	681	454
20°	376119	120714	4294	233	233
25°	408120	117345	2395	121	242
30°	445208	93508	1013	127	253
35°	463911	58196	268	134	268
40°	440225	25448	143	286	429
45°	293860	10172	155	465	775
50°	98555	1706	341	682	1023
55°	5505	191	382	956	1338
60°	439	219	658	1096	1535
65°	519	259	778	1297	1816
70°	321	321	962	1603	1923
75°	424	424	1271	1694	2118
80°	0	631	1894	1894	1894
85°	0	1258	3774	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 293860 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	1.8
10°-20°	79.4	14.4
20°-30°	167.6	30.3
30°-40°	190.2	34.4
40°-50°	93.6	16.9
50°-60°	8.1	1.5
60°-70°	1.7	0.3
70°-80°	1.5	0.3
80°-90°	0.8	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°	257.1	46.5
0°-40°	447.3	80.9
0°-60°	549.1	99.3
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	58	58	58	58	58	
5°	197	128	54	23	17	32
15°	1253	427	29	3	2	356
25°	1687	485	10	0	1	785
35°	1733	217	1	0	1	1068
45°	948	33	0	2	2	700
55°	14	0	1	2	4	56
65°	1	0	2	2	4	1
75°	0	0	2	2	2	0
85°	0	0	2	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°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
2.5°	100.8	103.3	102.3	101.8	101.3	99.3	94.8	94.3	89.8	86.9	72.0
5°	197.1	193.1	194.1	188.6	181.7	171.8	165.3	151.4	140.0	128.1	83.9
7.5°	371.3	365.9	355.4	339.5	323.2	301.8	269.5	243.7	214.0	185.7	93.3
10°	627.0	624.0	610.6	569.9	534.1	477.0	423.4	366.8	311.2	256.6	99.8
12.5°	968.5	948.1	923.8	869.7	799.2	727.7	622.0	524.2	435.3	344.0	100.3
15°	1252.9	1240.0	1205.8	1135.3	1050.4	947.1	821.6	690.0	556.0	426.9	95.3
17.5°	1481.8	1461.9	1417.7	1348.7	1250.9	1116.9	970.0	809.6	646.3	486.0	86.9
20°	1611.8	1601.4	1567.7	1498.7	1391.9	1245.5	1078.2	891.5	702.9	517.3	76.0
22.5°	1677.4	1669.9	1645.1	1590.0	1490.2	1342.8	1151.2	934.2	719.3	513.8	64.5
25°	1686.8	1684.8	1663.5	1621.8	1538.4	1392.4	1182.9	942.2	705.9	485.0	53.6
27.5°	1719.6	1712.6	1687.3	1645.6	1561.7	1400.9	1172.0	914.9	662.7	434.4	44.7
30°	1758.3	1753.3	1728.0	1684.8	1585.5	1392.9	1133.3	854.3	593.7	369.3	33.3
32.5°	1755.3	1753.3	1732.0	1686.3	1568.6	1346.3	1064.3	763.5	499.9	291.4	20.8
35°	1733.0	1726.0	1699.2	1628.7	1472.3	1226.1	933.2	640.4	395.6	217.4	13.4
37.5°	1679.3	1664.5	1619.3	1499.6	1300.1	1041.0	760.0	494.4	280.0	145.4	8.4
40°	1537.9	1519.0	1428.2	1283.7	1074.7	820.1	565.4	340.0	184.7	88.9	3.5
42.5°	1275.8	1237.5	1146.7	998.3	802.2	579.8	371.3	220.4	108.7	53.6	1.0
45°	947.6	918.4	823.0	688.5	525.7	371.8	224.9	119.1	60.1	32.8	0.5
47.5°	552.0	534.1	485.0	396.6	290.4	195.1	115.2	64.0	35.2	15.9	0.5
50°	288.9	266.6	229.3	173.7	128.1	89.8	56.1	34.3	17.4	5.0	0.5
52.5°	101.3	99.8	90.8	68.5	55.6	40.2	27.3	14.9	5.0	1.0	0.5
55°	14.4	14.4	13.4	14.9	15.9	14.4	9.4	4.0	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.0	2.0	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	58.1	58.1	58.1	58.1	58.1
2.5°	57.6	46.2	36.7	32.3	30.8
5°	54.1	34.7	22.8	17.9	16.9
7.5°	48.2	24.8	13.9	9.9	9.4
10°	42.2	17.9	8.4	6.0	5.5
12.5°	35.2	12.4	5.5	3.5	3.0
15°	29.3	8.4	3.0	2.5	2.0
17.5°	23.3	5.5	2.0	1.5	2.0
20°	18.4	3.5	1.0	1.0	1.0
22.5°	13.9	2.0	1.0	1.0	1.0
25°	9.9	1.0	0.5	0.5	1.0
27.5°	6.9	0.5	0.5	0.5	1.0
30°	4.0	0.5	0.5	0.5	1.0
32.5°	2.0	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.0
45°	0.5	1.0	1.5	2.0	2.5
47.5°	1.0	1.0	2.0	2.5	3.0
50°	1.0	1.5	2.0	3.0	3.0
52.5°	1.0	1.5	2.5	3.0	3.5
55°	1.0	2.0	2.5	3.5	3.5
57.5°	1.5	2.0	2.5	3.5	3.5
60°	1.5	2.0	2.5	3.5	3.5
62.5°	1.5	2.0	2.5	3.5	3.5
65°	1.5	2.0	2.5	3.5	3.5
67.5°	1.5	2.0	2.5	3.0	3.5
70°	1.5	2.0	2.5	3.0	3.0
72.5°	2.0	2.0	2.5	3.0	3.0
75°	1.5	2.0	2.0	2.5	2.5
77.5°	1.5	1.5	1.5	2.0	2.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)