

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: P1344904

Luminaire Tested: P3A13R309030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344904
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: P3A13R309030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

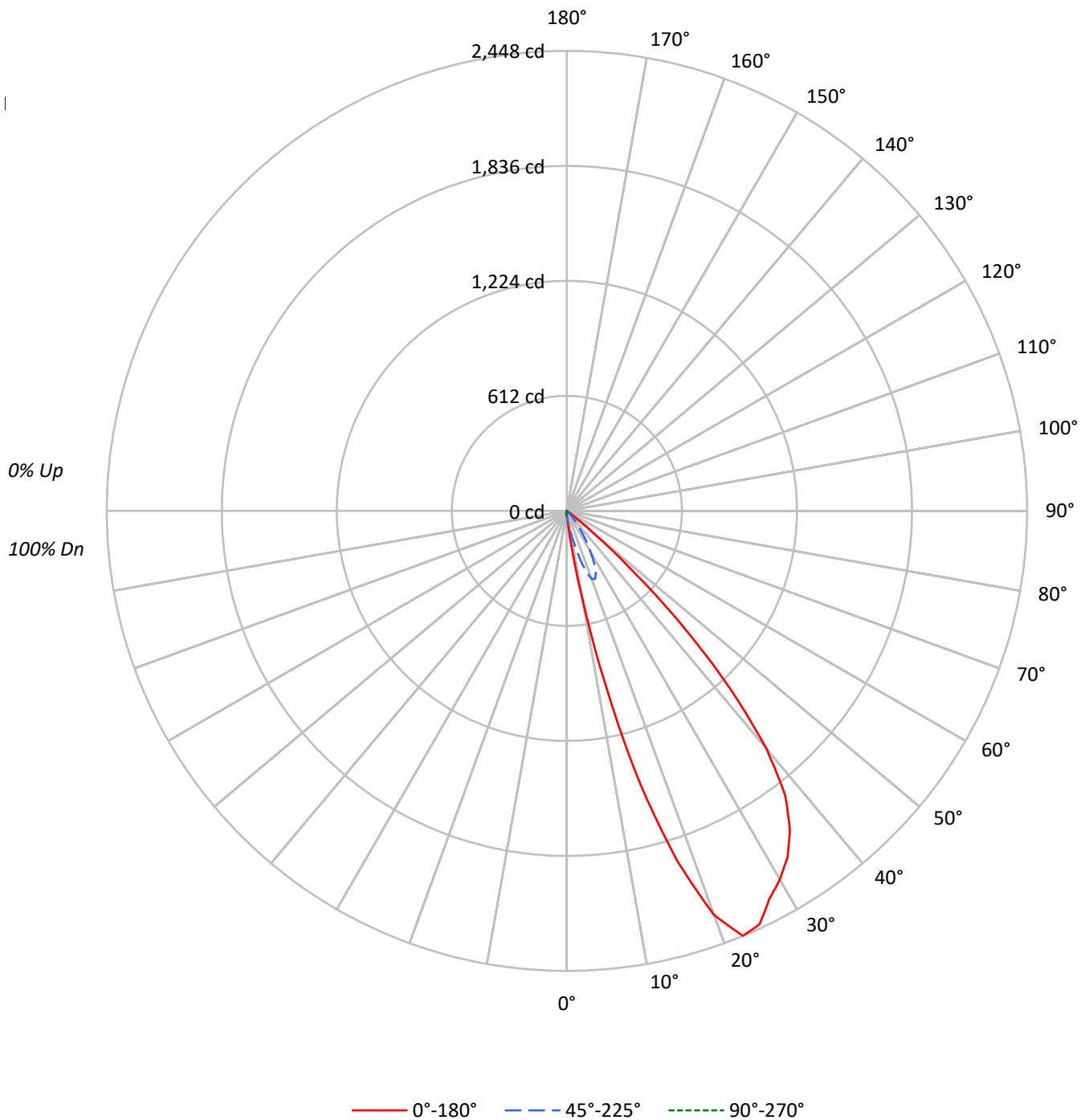
Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 28.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6008	6008	6008	6008	6008
5°	18116	12062	5679	2553	2091
10°	104830	25584	4453	1180	824
15°	341001	58048	3110	250	114
20°	533610	89818	1960	0	0
25°	587066	87755	1016	0	0
30°	573379	63276	405	0	0
35°	553400	35978	134	0	0
40°	471941	15257	0	0	0
45°	276990	5737	155	0	155
50°	67273	1092	171	171	546
55°	5849	0	421	612	803
60°	219	0	482	702	1140
65°	259	259	830	830	1349
70°	321	321	1026	1026	1346
75°	0	424	1356	1356	1356
80°	0	631	2020	1389	1389
85°	0	1258	4026	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 276990 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.9
10°-20°	79.3	13.7
20°-30°	201.5	34.9
30°-40°	200.9	34.8
40°-50°	81.4	14.1
50°-60°	5.6	1.0
60°-70°	1.3	0.2
70°-80°	1.3	0.2
80°-90°	0.7	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°	285.9	49.5
0°-40°	486.7	84.4
0°-60°	573.7	99.4
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	82	55	26	12	10	19
15°	1502	256	14	1	0	437
25°	2426	363	4	0	0	1096
35°	2067	134	0	0	0	1267
45°	893	18	0	0	0	681
55°	15	0	1	2	2	40
65°	0	0	2	2	3	0
75°	0	0	2	2	2	0
85°	0	0	2	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°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
2.5°	45.3	45.9	45.9	44.8	44.3	44.3	42.7	42.2	40.6	39.0	33.7
5°	82.3	80.7	78.6	78.6	73.8	71.2	67.5	63.3	60.1	54.8	39.0
7.5°	186.6	174.0	170.3	165.6	147.6	133.4	117.0	102.8	89.6	78.6	43.2
10°	470.8	446.1	425.5	383.8	331.6	281.5	235.2	181.4	144.5	114.9	46.4
12.5°	948.5	915.3	875.8	799.8	702.3	577.3	466.6	348.5	244.6	169.2	47.5
15°	1502.1	1445.7	1384.0	1287.5	1127.8	948.5	748.7	560.5	392.8	255.7	46.4
17.5°	1953.4	1931.3	1840.1	1708.3	1512.7	1281.7	1035.5	778.2	529.9	334.8	43.2
20°	2286.7	2271.4	2161.2	2020.9	1800.5	1535.9	1223.2	914.2	625.3	384.9	38.5
22.5°	2447.5	2444.8	2365.2	2221.8	1988.2	1688.2	1343.9	992.8	654.8	391.7	32.2
25°	2426.4	2435.9	2390.5	2284.0	2059.9	1751.0	1379.8	992.8	633.2	362.7	26.9
27.5°	2330.4	2336.8	2308.3	2226.6	2017.8	1705.6	1329.7	929.0	570.5	311.6	22.1
30°	2264.5	2267.2	2231.8	2144.3	1922.9	1602.3	1211.6	810.9	475.6	249.9	16.3
32.5°	2184.4	2183.9	2142.7	2042.6	1798.4	1457.3	1061.9	670.1	365.4	189.8	9.5
35°	2067.3	2054.1	1998.3	1882.8	1612.8	1262.2	870.5	510.4	263.1	134.4	5.8
37.5°	1906.5	1872.3	1793.2	1638.7	1352.4	989.6	645.3	358.5	179.8	89.1	3.7
40°	1648.7	1612.3	1504.8	1317.1	1022.9	712.3	435.0	233.6	113.4	53.3	2.1
42.5°	1292.8	1268.0	1123.0	935.9	675.4	454.5	261.5	138.1	63.8	30.6	0.5
45°	893.2	861.0	747.1	588.4	405.5	252.0	146.6	72.2	36.4	18.5	0.0
47.5°	493.0	453.4	387.5	304.7	204.0	132.3	73.8	39.0	20.6	9.0	0.0
50°	197.2	195.6	155.5	110.7	78.0	60.1	36.9	21.1	10.5	3.2	0.5
52.5°	69.1	69.1	59.6	48.5	38.0	27.4	18.5	10.0	3.7	1.1	0.5
55°	15.3	16.9	15.8	14.8	14.2	12.1	7.9	3.7	1.1	0.0	0.5
57.5°	1.6	1.6	1.6	2.1	2.6	2.6	2.1	1.1	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.1
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.1
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
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°	27.4	27.4	27.4	27.4	27.4
2.5°	27.4	21.6	17.9	15.8	15.3
5°	25.8	16.3	11.6	10.0	9.5
7.5°	23.2	12.1	7.9	6.3	5.8
10°	20.0	9.0	5.3	3.7	3.7
12.5°	16.9	6.9	3.2	1.6	1.1
15°	13.7	4.2	1.1	0.5	0.5
17.5°	10.5	2.6	0.0	0.0	0.0
20°	8.4	1.1	0.0	0.0	0.0
22.5°	6.3	0.5	0.0	0.0	0.0
25°	4.2	0.0	0.0	0.0	0.0
27.5°	2.6	0.0	0.0	0.0	0.0
30°	1.6	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	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°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.1	1.1
50°	0.5	0.5	0.5	1.1	1.6
52.5°	1.1	0.5	1.1	1.6	1.6
55°	1.1	1.1	1.6	2.1	2.1
57.5°	1.1	1.1	1.6	2.1	2.1
60°	1.1	1.1	1.6	2.1	2.6
62.5°	1.6	1.6	1.6	2.1	2.1
65°	1.6	1.6	1.6	2.1	2.6
67.5°	1.6	1.6	1.6	2.1	2.6
70°	1.6	1.6	1.6	2.1	2.1
72.5°	2.1	1.6	1.6	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.1	1.6	1.6
80°	1.6	1.1	1.1	1.1	1.1
82.5°	1.6	1.1	1.1	1.1	1.1
85°	1.6	1.1	0.5	0.5	0.5
87.5°	1.6	1.1	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)