

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: P1345744

Luminaire Tested: P3A13R35W2N902750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345744
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: P3A13R35W2N902750DE010 E3A301WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

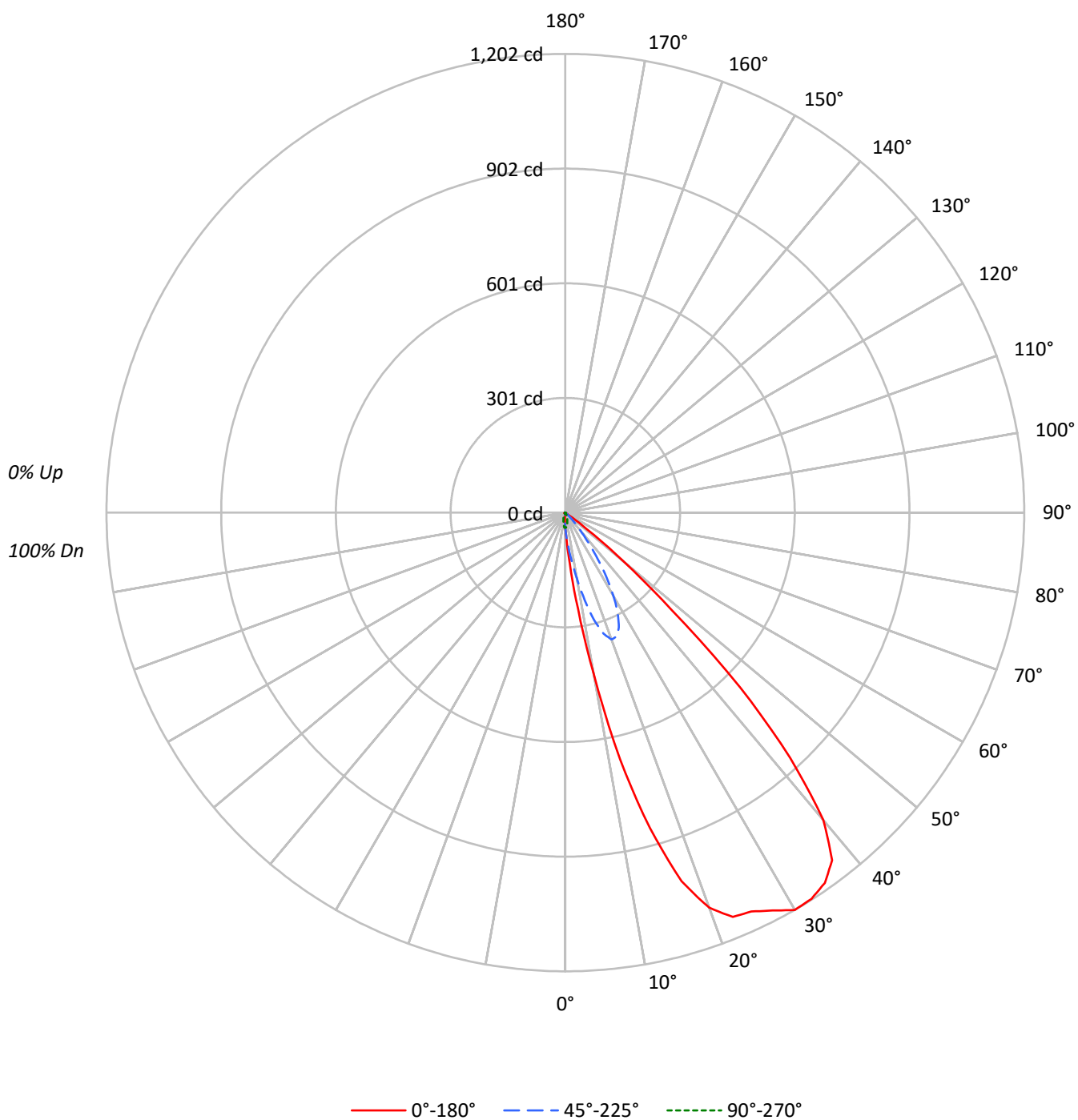
Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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	
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	51	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°	8705	8705	8705	8705	8705
5°	29650	19260	8144	3434	2531
10°	95434	39055	6413	1291	824
15°	194417	66243	4540	454	318
20°	257109	82514	2940	163	163
25°	278968	80206	1645	73	169
30°	304325	63934	684	76	177
35°	317108	39779	187	80	187
40°	300907	17375	86	200	286
45°	200889	6946	93	310	527
50°	67375	1160	239	478	682
55°	3747	115	268	650	918
60°	307	132	439	746	1053
65°	363	156	519	882	1245
70°	192	192	641	1090	1282
75°	254	254	847	1186	1440
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 200889 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	1.8
10°-20°	54.3	14.4
20°-30°	114.6	30.3
30°-40°	130.0	34.4
40°-50°	64.0	16.9
50°-60°	5.5	1.5
60°-70°	1.1	0.3
70°-80°	1.0	0.3
80°-90°	0.5	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°	175.8	46.5
0°-40°	305.8	80.9
0°-60°	375.3	99.3
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	135	88	37	16	12	22
15°	856	292	20	2	1	243
25°	1153	332	7	0	1	537
35°	1185	149	1	0	1	730
45°	648	22	0	1	2	479
55°	10	0	1	2	2	39
65°	1	0	1	2	2	1
75°	0	0	1	1	2	0
85°	0	0	1	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°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	68.9	70.6	69.9	69.6	69.2	67.9	64.8	64.5	61.4	59.4	49.2
5°	134.7	132.0	132.7	128.9	124.2	117.4	113.0	103.5	95.7	87.5	57.3
7.5°	253.8	250.1	243.0	232.1	220.9	206.3	184.2	166.6	146.2	126.9	63.8
10°	428.6	426.5	417.4	389.5	365.1	326.1	289.4	250.8	212.8	175.4	68.2
12.5°	662.0	648.1	631.5	594.5	546.3	497.4	425.2	358.3	297.6	235.1	68.5
15°	856.4	847.6	824.2	776.0	718.0	647.4	561.6	471.7	380.0	291.8	65.1
17.5°	1012.9	999.3	969.1	921.9	855.1	763.5	663.0	553.4	441.8	332.2	59.4
20°	1101.8	1094.6	1071.6	1024.4	951.4	851.3	737.0	609.4	480.5	353.6	51.9
22.5°	1146.6	1141.5	1124.5	1086.8	1018.6	917.9	786.9	638.6	491.7	351.2	44.1
25°	1153.0	1151.6	1137.0	1108.5	1051.5	951.8	808.6	644.0	482.5	331.5	36.6
27.5°	1175.4	1170.6	1153.3	1124.8	1067.5	957.6	801.1	625.4	453.0	296.9	30.5
30°	1201.9	1198.5	1181.2	1151.6	1083.8	952.1	774.7	584.0	405.8	252.5	22.7
32.5°	1199.8	1198.5	1183.9	1152.7	1072.2	920.2	727.5	521.9	341.7	199.2	14.3
35°	1184.6	1179.8	1161.5	1113.3	1006.4	838.1	637.9	437.7	270.4	148.6	9.2
37.5°	1147.9	1137.7	1106.9	1025.1	888.7	711.5	519.5	338.0	191.4	99.4	5.8
40°	1051.2	1038.3	976.2	877.5	734.6	560.6	386.5	232.4	126.2	60.7	2.4
42.5°	872.0	845.9	783.8	682.4	548.3	396.3	253.8	150.7	74.3	36.6	0.7
45°	647.8	627.7	562.6	470.6	359.3	254.1	153.7	81.4	41.1	22.4	0.3
47.5°	377.3	365.1	331.5	271.1	198.5	133.4	78.7	43.8	24.1	10.9	0.3
50°	197.5	182.2	156.8	118.8	87.5	61.4	38.3	23.4	11.9	3.4	0.3
52.5°	69.2	68.2	62.1	46.8	38.0	27.5	18.7	10.2	3.4	0.7	0.3
55°	9.8	9.8	9.2	10.2	10.9	9.8	6.4	2.7	0.7	0.3	0.3
57.5°	0.7	0.7	0.7	1.0	1.4	1.4	1.0	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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°	39.7	39.7	39.7	39.7	39.7
2.5°	39.4	31.6	25.1	22.1	21.0
5°	37.0	23.8	15.6	12.2	11.5
7.5°	32.9	17.0	9.5	6.8	6.4
10°	28.8	12.2	5.8	4.1	3.7
12.5°	24.1	8.5	3.7	2.4	2.0
15°	20.0	5.8	2.0	1.7	1.4
17.5°	15.9	3.7	1.4	1.0	1.4
20°	12.6	2.4	0.7	0.7	0.7
22.5°	9.5	1.4	0.7	0.7	0.7
25°	6.8	0.7	0.3	0.3	0.7
27.5°	4.8	0.3	0.3	0.3	0.7
30°	2.7	0.3	0.3	0.3	0.7
32.5°	1.4	0.3	0.3	0.7	0.7
35°	0.7	0.3	0.3	0.7	0.7
37.5°	0.3	0.3	0.3	0.7	1.0
40°	0.3	0.3	0.7	1.0	1.0
42.5°	0.3	0.3	0.7	1.0	1.4
45°	0.3	0.7	1.0	1.4	1.7
47.5°	0.7	0.7	1.4	1.7	2.0
50°	0.7	1.0	1.4	2.0	2.0
52.5°	0.7	1.0	1.7	2.0	2.4
55°	0.7	1.4	1.7	2.4	2.4
57.5°	1.0	1.4	1.7	2.4	2.4
60°	1.0	1.4	1.7	2.4	2.4
62.5°	1.0	1.4	1.7	2.4	2.4
65°	1.0	1.4	1.7	2.4	2.4
67.5°	1.0	1.4	1.7	2.0	2.4
70°	1.0	1.4	1.7	2.0	2.0
72.5°	1.4	1.4	1.7	2.0	2.0
75°	1.0	1.4	1.4	1.7	1.7
77.5°	1.0	1.0	1.0	1.4	1.4
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.7	0.7	1.0	1.0
85°	1.0	0.7	0.3	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)