

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: P1345664

Luminaire Tested: P3A13R35B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345664
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: P3A13R35B2750DE010 E3A301WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

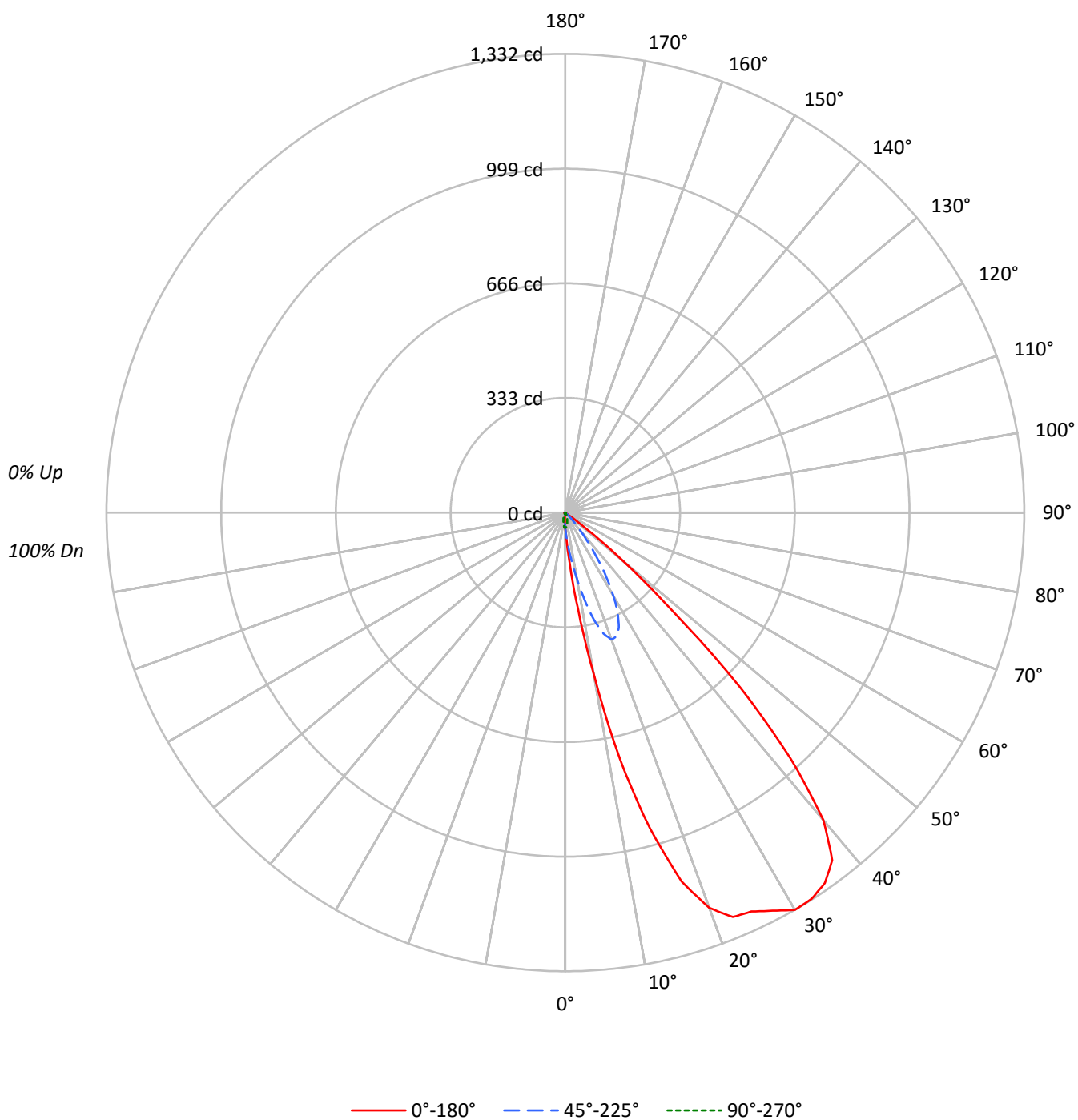
Lumens per Lamp: N/A
Luminaire Lumens: 419.1 lumens
Efficiency: N/A
Efficacy: 21.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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°	9648	9648	9648	9648	9648
5°	32864	21351	9025	3808	2818
10°	105765	43308	7125	1425	913
15°	215506	73440	5040	522	341
20°	284995	91451	3244	187	187
25°	309236	88916	1815	97	194
30°	337318	70846	760	101	203
35°	351480	44089	214	107	214
40°	333539	19265	115	229	315
45°	222659	7691	124	341	589
50°	74676	1296	273	512	785
55°	4167	153	306	726	994
60°	351	175	482	833	1140
65°	415	208	571	986	1349
70°	256	256	705	1218	1475
75°	339	339	932	1271	1610
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 222659 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	1.8
10°-20°	60.2	14.4
20°-30°	127.0	30.3
30°-40°	144.1	34.4
40°-50°	70.9	16.9
50°-60°	6.2	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	194.8	46.5
0°-40°	339.0	80.9
0°-60°	416.0	99.3
0°-90°	419.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	149	97	41	17	13	25
15°	949	324	22	2	2	270
25°	1278	368	8	0	1	595
35°	1313	165	1	0	1	809
45°	718	25	0	1	2	530
55°	11	0	1	2	3	43
65°	1	0	1	2	3	1
75°	0	0	1	2	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°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
2.5°	76.4	78.2	77.5	77.1	76.7	75.2	71.8	71.5	68.1	65.8	54.5
5°	149.3	146.3	147.1	142.9	137.7	130.1	125.2	114.7	106.1	97.0	63.6
7.5°	281.3	277.2	269.3	257.3	244.9	228.7	204.2	184.7	162.1	140.7	70.7
10°	475.0	472.8	462.6	431.8	404.7	361.5	320.8	278.0	235.8	194.5	75.6
12.5°	733.8	718.4	700.0	659.0	605.6	551.4	471.3	397.2	329.9	260.7	76.0
15°	949.3	939.5	913.6	860.2	795.9	717.6	622.5	522.8	421.3	323.5	72.2
17.5°	1122.7	1107.7	1074.2	1021.9	947.8	846.3	734.9	613.5	489.7	368.2	65.8
20°	1221.3	1213.4	1187.8	1135.5	1054.6	943.7	816.9	675.5	532.6	391.9	57.5
22.5°	1270.9	1265.3	1246.5	1204.7	1129.1	1017.4	872.2	707.9	545.0	389.3	48.9
25°	1278.1	1276.6	1260.4	1228.8	1165.6	1055.0	896.3	713.9	534.8	367.5	40.6
27.5°	1302.9	1297.6	1278.4	1246.8	1183.3	1061.4	888.0	693.2	502.1	329.1	33.9
30°	1332.2	1328.5	1309.3	1276.6	1201.3	1055.4	858.7	647.3	449.8	279.8	25.2
32.5°	1330.0	1328.5	1312.3	1277.7	1188.5	1020.0	806.4	578.5	378.8	220.8	15.8
35°	1313.0	1307.8	1287.5	1234.1	1115.6	929.0	707.1	485.2	299.8	164.7	10.2
37.5°	1272.4	1261.1	1226.9	1136.3	985.1	788.7	575.8	374.6	212.1	110.2	6.4
40°	1165.2	1150.9	1082.1	972.6	814.3	621.4	428.4	257.6	139.9	67.3	2.6
42.5°	966.6	937.7	868.8	756.4	607.8	439.3	281.3	167.0	82.4	40.6	0.8
45°	718.0	695.8	623.6	521.7	398.3	281.7	170.4	90.3	45.5	24.8	0.4
47.5°	418.2	404.7	367.5	300.5	220.0	147.8	87.3	48.5	26.7	12.0	0.4
50°	218.9	202.0	173.8	131.6	97.0	68.1	42.5	26.0	13.2	3.8	0.4
52.5°	76.7	75.6	68.8	51.9	42.1	30.5	20.7	11.3	3.8	0.8	0.4
55°	10.9	10.9	10.2	11.3	12.0	10.9	7.1	3.0	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.1	1.5	1.5	1.1	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	44.0	44.0	44.0	44.0	44.0
2.5°	43.6	35.0	27.8	24.4	23.3
5°	41.0	26.3	17.3	13.5	12.8
7.5°	36.5	18.8	10.5	7.5	7.1
10°	32.0	13.5	6.4	4.5	4.1
12.5°	26.7	9.4	4.1	2.6	2.3
15°	22.2	6.4	2.3	1.9	1.5
17.5°	17.7	4.1	1.5	1.1	1.5
20°	13.9	2.6	0.8	0.8	0.8
22.5°	10.5	1.5	0.8	0.8	0.8
25°	7.5	0.8	0.4	0.4	0.8
27.5°	5.3	0.4	0.4	0.4	0.8
30°	3.0	0.4	0.4	0.4	0.8
32.5°	1.5	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.1
40°	0.4	0.4	0.8	1.1	1.1
42.5°	0.4	0.4	0.8	1.1	1.5
45°	0.4	0.8	1.1	1.5	1.9
47.5°	0.8	0.8	1.5	1.9	2.3
50°	0.8	1.1	1.5	2.3	2.3
52.5°	0.8	1.1	1.9	2.3	2.6
55°	0.8	1.5	1.9	2.6	2.6
57.5°	1.1	1.5	1.9	2.6	2.6
60°	1.1	1.5	1.9	2.6	2.6
62.5°	1.1	1.5	1.9	2.6	2.6
65°	1.1	1.5	1.9	2.6	2.6
67.5°	1.1	1.5	1.9	2.3	2.6
70°	1.1	1.5	1.9	2.3	2.3
72.5°	1.5	1.5	1.9	2.3	2.3
75°	1.1	1.5	1.5	1.9	1.9
77.5°	1.1	1.1	1.1	1.5	1.5
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.8	0.8	1.1	1.1
85°	1.1	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)