

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: P1345640

Luminaire Tested: P3A13R35B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345640
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 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

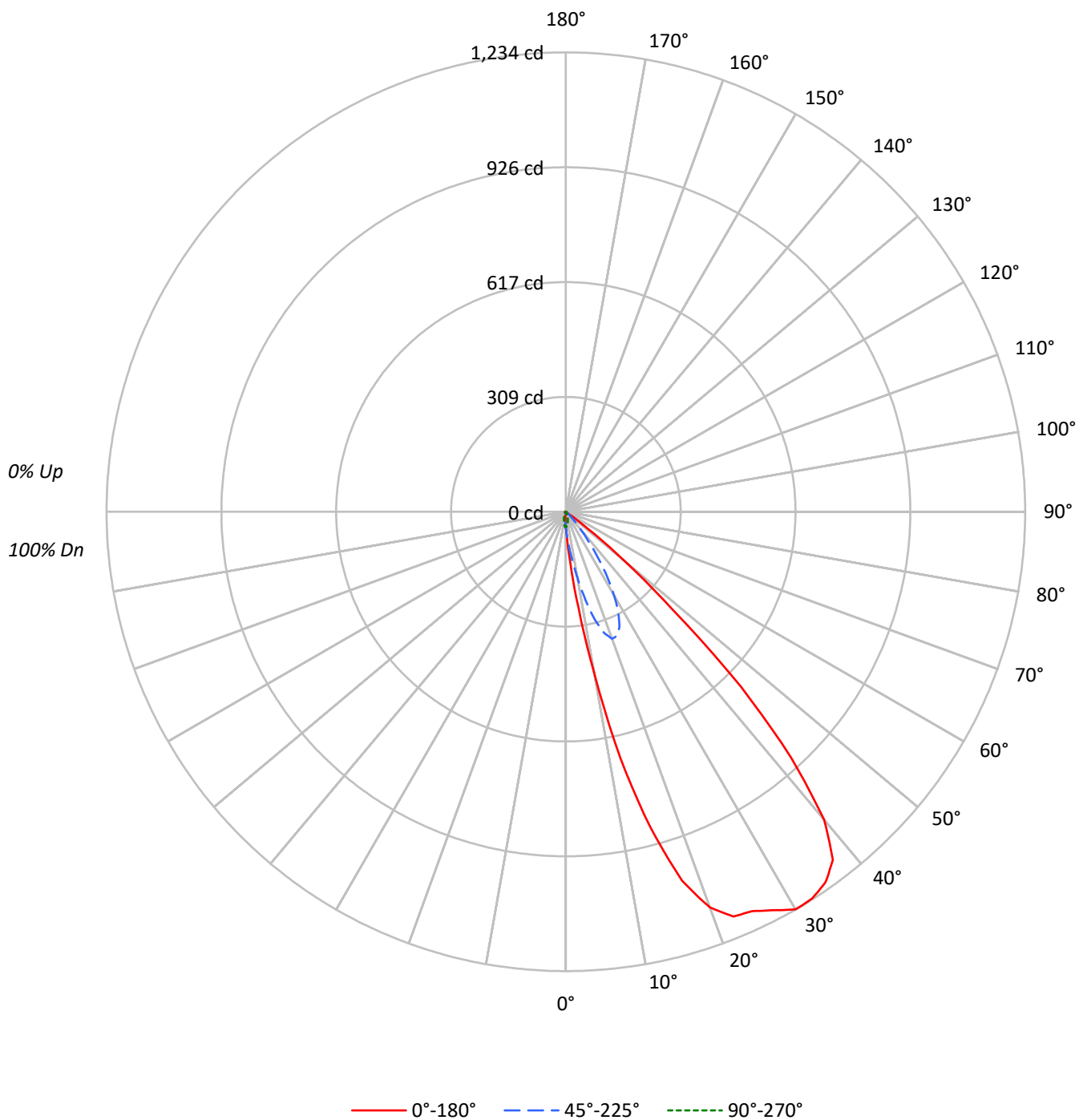
Lumens per Lamp: N/A
Luminaire Lumens: 387.9 lumens
Efficiency: N/A
Efficacy: 20.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1345640

CATALOG NUMBER: P3A13R35B2750DE010 E3A301GPH_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1345640

CATALOG NUMBER: P3A13R35B2750DE010 E3A301GPH_3000K

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	84	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°	8947	8947	8947	8947	8947
5°	30442	19789	8364	3522	2597
10°	97950	40102	6591	1314	846
15°	199570	67991	4654	477	318
20°	263900	84684	3010	163	163
25°	286347	82335	1694	73	169
30°	312377	65605	709	76	177
35°	325487	40850	187	80	187
40°	308864	17833	86	200	286
45°	206192	7133	93	310	527
50°	69149	1194	239	478	716
55°	3861	115	268	650	918
60°	307	132	439	746	1053
65°	363	156	519	882	1245
70°	192	192	641	1090	1346
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: 206192 cd/sqm

TEST NUMBER: P1345640

CATALOG NUMBER: P3A13R35B2750DE010 E3A301GPH_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	1.8
10°-20°	55.7	14.4
20°-30°	117.6	30.3
30°-40°	133.4	34.4
40°-50°	65.7	16.9
50°-60°	5.7	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°	180.4	46.5
0°-40°	313.8	80.9
0°-60°	385.2	99.3
0°-90°	387.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	138	90	38	16	12	23
15°	879	300	20	2	1	250
25°	1184	340	7	0	1	551
35°	1216	153	1	0	1	749
45°	665	23	0	1	2	491
55°	10	0	1	2	2	40
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	

TEST NUMBER: P1345640

CATALOG NUMBER: P3A13R35B2750DE010 E3A301GPH_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	70.7	72.4	71.7	71.4	71.1	69.7	66.5	66.2	63.0	61.0	50.5
5°	138.3	135.5	136.2	132.4	127.5	120.5	116.0	106.2	98.2	89.9	58.9
7.5°	260.5	256.7	249.4	238.2	226.7	211.8	189.1	171.0	150.1	130.3	65.5
10°	439.9	437.8	428.4	399.8	374.8	334.7	297.1	257.4	218.4	180.1	70.0
12.5°	679.5	665.2	648.2	610.2	560.8	510.6	436.4	367.8	305.5	241.4	70.4
15°	879.1	870.0	846.0	796.5	737.0	664.5	576.4	484.1	390.1	299.5	66.9
17.5°	1039.7	1025.7	994.7	946.3	877.7	783.7	680.6	568.1	453.5	341.0	61.0
20°	1130.9	1123.6	1099.9	1051.5	976.6	873.9	756.5	625.5	493.2	362.9	53.3
22.5°	1176.9	1171.7	1154.2	1115.6	1045.6	942.1	807.7	655.5	504.7	360.5	45.3
25°	1183.5	1182.1	1167.1	1137.9	1079.4	977.0	830.0	661.1	495.3	340.3	37.6
27.5°	1206.5	1201.6	1183.8	1154.6	1095.7	982.9	822.3	641.9	465.0	304.8	31.3
30°	1233.7	1230.2	1212.4	1182.1	1112.4	977.3	795.2	599.4	416.6	259.1	23.3
32.5°	1231.6	1230.2	1215.2	1183.2	1100.6	944.6	746.7	535.7	350.7	204.4	14.6
35°	1215.9	1211.0	1192.2	1142.7	1033.0	860.3	654.8	449.3	277.6	152.6	9.4
37.5°	1178.3	1167.8	1136.1	1052.2	912.2	730.4	533.2	346.9	196.4	102.0	5.9
40°	1079.0	1065.8	1002.0	900.7	754.1	575.4	396.7	238.6	129.6	62.3	2.4
42.5°	895.1	868.3	804.6	700.4	562.8	406.8	260.5	154.6	76.3	37.6	0.7
45°	664.9	644.3	577.5	483.1	368.8	260.9	157.8	83.6	42.1	23.0	0.3
47.5°	387.3	374.8	340.3	278.3	203.8	136.9	80.8	44.9	24.7	11.1	0.3
50°	202.7	187.0	160.9	121.9	89.9	63.0	39.4	24.0	12.2	3.5	0.3
52.5°	71.1	70.0	63.7	48.1	39.0	28.2	19.2	10.4	3.5	0.7	0.3
55°	10.1	10.1	9.4	10.4	11.1	10.1	6.6	2.8	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

TEST NUMBER: P1345640

CATALOG NUMBER: P3A13R35B2750DE010 E3A301GPH_3000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	40.8	40.8	40.8	40.8	40.8
2.5°	40.4	32.4	25.8	22.6	21.6
5°	38.0	24.4	16.0	12.5	11.8
7.5°	33.8	17.4	9.8	7.0	6.6
10°	29.6	12.5	5.9	4.2	3.8
12.5°	24.7	8.7	3.8	2.4	2.1
15°	20.5	5.9	2.1	1.7	1.4
17.5°	16.4	3.8	1.4	1.0	1.4
20°	12.9	2.4	0.7	0.7	0.7
22.5°	9.8	1.4	0.7	0.7	0.7
25°	7.0	0.7	0.3	0.3	0.7
27.5°	4.9	0.3	0.3	0.3	0.7
30°	2.8	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	2.1
50°	0.7	1.0	1.4	2.1	2.1
52.5°	0.7	1.0	1.7	2.1	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	2.1	2.4
70°	1.0	1.4	1.7	2.1	2.1
72.5°	1.4	1.4	1.7	2.1	2.1
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)