

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: P1334761

Luminaire Tested: P3A02R259735DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259735DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

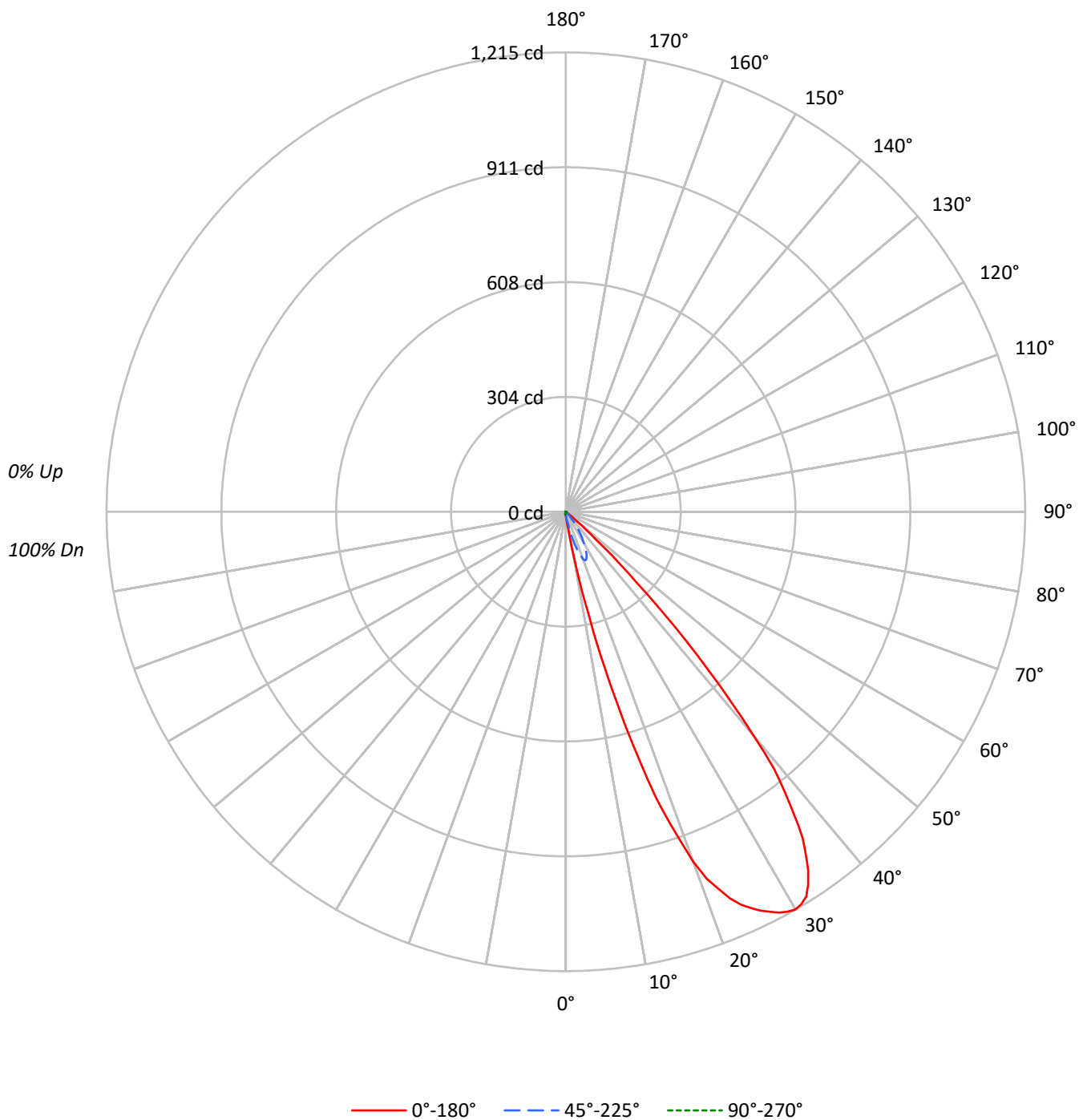
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2281	2281	2281	2281	2281
5°	5745	4248	2135	1101	858
10°	25094	7214	1759	512	356
15°	119297	19455	1226	204	159
20°	229667	31153	793	47	47
25°	279718	31429	436	0	0
30°	307541	24054	177	0	0
35°	296362	15285	54	0	0
40°	221443	6612	0	0	57
45°	81993	1768	62	62	217
50°	9654	239	171	171	307
55°	956	0	191	268	421
60°	88	0	307	395	482
65°	104	104	467	571	726
70°	128	128	577	577	898
75°	169	169	593	593	763
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81993 cd/sqm

TEST NUMBER: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	28.3	11.7
20°-30°	88.9	36.6
30°-40°	93.6	38.5
40°-50°	27.5	11.3
50°-60°	1.5	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.3
80°-90°	0.3	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°	118.8	48.9
0°-40°	212.4	87.4
0°-60°	241.4	99.3
0°-90°	243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	26	19	10	5	4	5
15°	526	86	5	1	1	166
25°	1156	130	2	0	0	530
35°	1107	57	0	0	0	668
45°	264	6	0	0	1	240
55°	2	0	0	1	1	6
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
2.5°	16.1	16.3	15.6	16.1	15.6	15.4	15.2	14.1	12.2	10.4	8.6
5°	26.1	26.1	24.9	24.7	24.3	23.4	22.4	19.3	13.8	9.7	6.8
7.5°	40.8	40.6	40.1	39.0	36.7	34.5	32.2	25.2	15.2	9.1	5.2
10°	112.7	111.1	109.1	96.8	83.0	70.7	60.1	32.4	16.3	7.9	3.9
12.5°	280.0	270.9	249.4	224.9	193.6	160.7	128.6	52.8	16.8	6.6	2.7
15°	525.5	506.7	473.2	424.2	360.3	288.4	227.2	85.7	16.3	5.4	2.0
17.5°	793.5	775.4	728.9	654.5	560.5	450.0	341.7	113.6	15.2	4.5	1.4
20°	984.2	964.9	921.4	842.5	740.7	593.6	449.8	133.5	14.3	3.4	0.7
21°	1040.0	1020.7	974.7	898.5	791.5	643.9	484.5	136.9	13.6	2.9	0.5
22°	1075.3	1064.0	1014.6	940.7	831.6	684.2	514.2	138.5	13.1	2.7	0.5
23°	1110.9	1093.9	1047.7	969.7	862.2	714.2	536.2	137.4	12.7	2.3	0.2
24°	1137.2	1123.0	1069.2	992.1	883.5	732.5	549.1	134.4	12.0	2.0	0.2
25°	1156.1	1142.9	1086.9	1007.3	897.8	742.5	553.2	129.9	11.3	1.8	0.2
26°	1174.0	1159.7	1101.6	1016.2	905.3	745.7	549.3	124.9	10.7	1.6	0.0
27°	1186.9	1172.4	1111.8	1021.4	905.8	741.8	538.9	118.1	10.0	1.4	0.0
28°	1200.7	1183.9	1118.9	1024.3	903.0	732.8	524.0	110.9	9.5	1.1	0.0
29°	1209.1	1193.2	1126.1	1027.5	897.4	717.6	502.2	102.3	8.4	0.7	0.0
30°	1214.6	1195.7	1125.4	1024.1	889.9	701.3	476.1	95.0	7.3	0.7	0.0
31°	1210.0	1190.3	1118.2	1014.6	877.9	679.9	449.4	85.9	5.9	0.5	0.0
32°	1200.3	1176.9	1105.5	998.0	856.3	652.5	421.7	78.4	4.3	0.5	0.0
33°	1176.5	1156.7	1082.6	975.8	828.2	615.3	385.7	71.2	2.9	0.2	0.0
34°	1146.5	1126.8	1051.3	946.1	790.6	567.3	341.9	63.7	2.5	0.2	0.0
35°	1107.1	1087.6	1015.9	904.6	740.7	509.4	296.8	57.1	2.0	0.2	0.0
36°	1065.6	1039.7	971.3	860.4	673.8	443.7	248.5	49.7	1.6	0.2	0.0
37°	1004.6	987.1	911.2	793.1	601.5	380.7	213.3	42.9	1.1	0.2	0.0
38°	941.4	925.3	851.1	725.3	520.8	318.3	178.7	36.3	0.9	0.0	0.0
39°	876.1	849.3	776.1	638.4	436.2	266.6	150.3	30.4	0.5	0.0	0.0
40°	773.6	753.2	675.0	534.2	360.9	216.1	128.1	23.1	0.5	0.0	0.0
42.5°	512.8	493.8	411.7	289.8	191.8	126.3	84.6	9.1	0.0	0.2	0.0
45°	264.4	252.3	205.0	151.7	108.8	77.5	54.4	5.7	0.0	0.2	0.2
47.5°	105.0	102.9	93.0	80.3	61.9	46.0	29.7	2.5	0.0	0.2	0.2
50°	28.3	28.6	26.8	24.7	22.4	21.1	12.5	0.7	0.0	0.5	0.2
52.5°	12.0	12.2	11.8	11.1	10.0	7.5	5.0	0.2	0.2	0.5	0.5
55°	2.5	2.7	2.9	3.2	3.6	3.2	2.0	0.0	0.2	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.0	0.2	0.5	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.5



TEST NUMBER: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.7	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
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: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	10.4	10.4	10.4
2.5°	7.3	6.6	6.3
5°	5.0	4.3	3.9
7.5°	3.4	2.7	2.5
10°	2.3	1.8	1.6
12.5°	1.6	0.9	0.9
15°	0.9	0.7	0.7
17.5°	0.5	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.5
45°	0.2	0.5	0.7
47.5°	0.5	0.7	0.9
50°	0.5	0.9	0.9
52.5°	0.7	0.9	1.1
55°	0.7	1.1	1.1
57.5°	0.9	1.1	1.4
60°	0.9	1.1	1.1
62.5°	0.9	1.4	1.4
65°	1.1	1.4	1.4
67.5°	1.1	1.4	1.4
70°	0.9	1.1	1.4
72.5°	0.9	1.1	1.1
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.5	0.7	0.7

TEST NUMBER: P1334761

CATALOG NUMBER: P3A02R259735DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)