

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: P1337359

Luminaire Tested: P3A05R259040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337359
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: P3A05R259040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

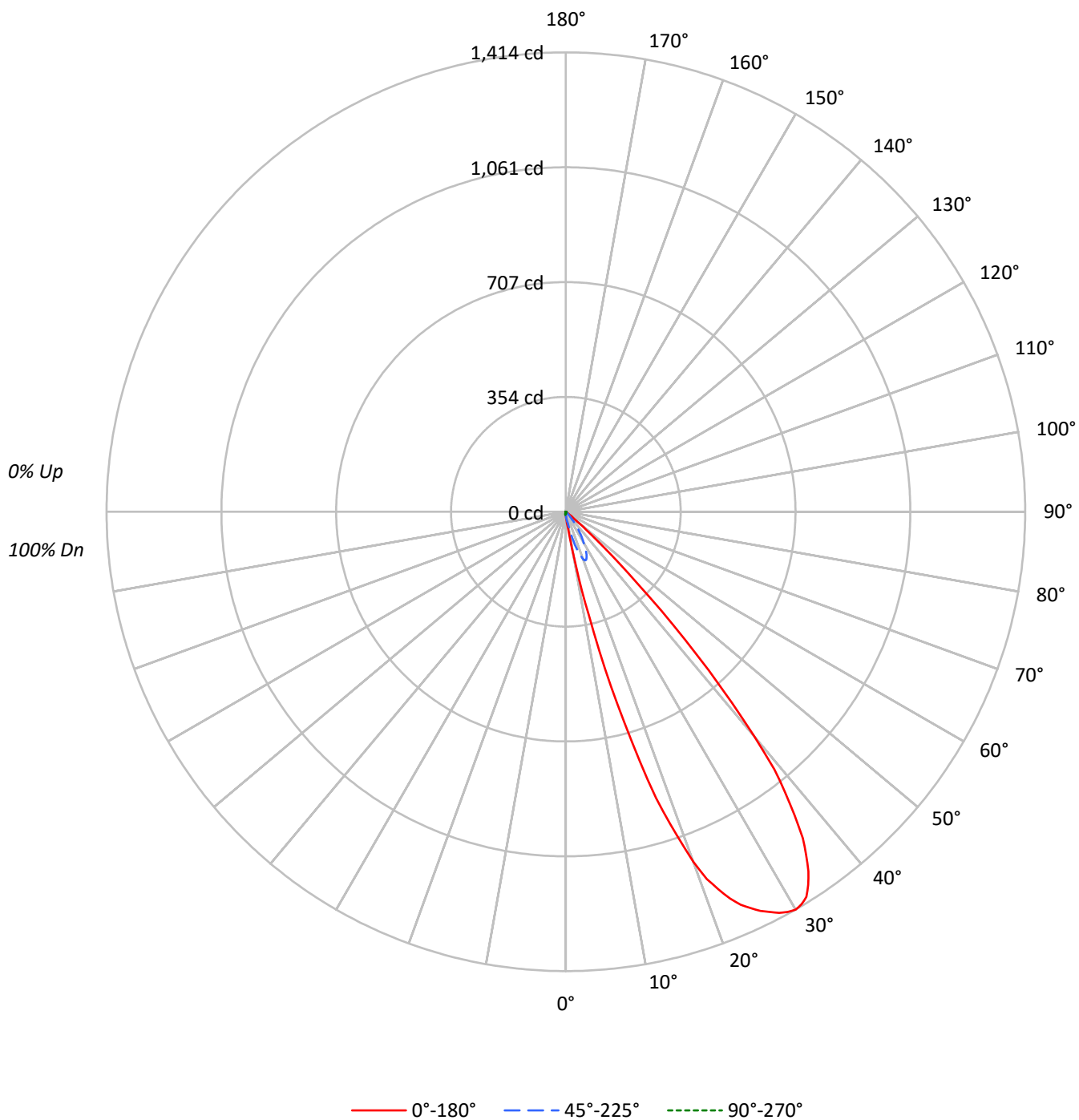
Lumens per Lamp: N/A
Luminaire Lumens: 283.1 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2653	2653	2653	2653	2653
5°	6692	4931	2509	1277	991
10°	29213	8417	2049	579	401
15°	138957	22656	1430	250	182
20°	267470	36286	933	70	70
25°	325761	36607	508	0	0
30°	358156	28004	203	0	0
35°	345136	17802	80	0	0
40°	257883	7700	0	0	86
45°	95483	2047	93	93	248
50°	11258	273	171	171	375
55°	1109	0	191	306	497
60°	132	0	351	482	570
65°	156	156	571	675	830
70°	192	192	705	705	1026
75°	254	254	678	678	932
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95483 cd/sqm

TEST NUMBER: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.6
10°-20°	33.0	11.7
20°-30°	103.6	36.6
30°-40°	109.0	38.5
40°-50°	32.0	11.3
50°-60°	1.7	0.6
60°-70°	0.9	0.3
70°-80°	0.7	0.3
80°-90°	0.4	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°	138.3	48.9
0°-40°	247.3	87.4
0°-60°	281.1	99.3
0°-90°	283.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	283.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	30	22	11	6	4	5
15°	612	100	6	1	1	193
25°	1346	151	2	0	0	618
35°	1289	66	0	0	0	778
45°	308	7	0	0	1	280
55°	3	0	0	1	1	7
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
2.5°	18.7	19.0	18.2	18.7	18.2	18.0	17.7	16.4	14.3	12.1	10.0
5°	30.4	30.4	29.0	28.8	28.3	27.2	26.1	22.4	16.1	11.4	7.9
7.5°	47.5	47.3	46.7	45.4	42.8	40.1	37.5	29.3	17.7	10.6	6.1
10°	131.2	129.4	127.0	112.7	96.6	82.4	70.0	37.8	19.0	9.2	4.5
12.5°	326.1	315.5	290.4	261.9	225.5	187.2	149.7	61.5	19.5	7.7	3.2
15°	612.1	590.1	551.1	494.0	419.6	335.9	264.6	99.8	19.0	6.3	2.4
17.5°	924.1	903.0	848.9	762.3	652.7	524.1	397.9	132.3	17.7	5.3	1.6
20°	1146.2	1123.8	1073.1	981.2	862.6	691.3	523.9	155.5	16.6	4.0	0.8
21°	1211.2	1188.7	1135.1	1046.4	921.8	749.9	564.3	159.5	15.8	3.4	0.5
22°	1252.4	1239.2	1181.6	1095.5	968.5	796.9	598.8	161.3	15.3	3.2	0.5
23°	1293.8	1274.0	1220.1	1129.3	1004.2	831.7	624.5	160.0	14.8	2.6	0.3
24°	1324.4	1307.8	1245.2	1155.5	1029.0	853.1	639.5	156.6	14.0	2.4	0.3
25°	1346.4	1331.0	1265.8	1173.1	1045.6	864.7	644.3	151.3	13.2	2.1	0.3
26°	1367.2	1350.6	1283.0	1183.4	1054.3	868.4	639.8	145.5	12.4	1.8	0.0
27°	1382.3	1365.4	1294.9	1189.5	1054.9	863.9	627.6	137.6	11.6	1.6	0.0
28°	1398.4	1378.8	1303.1	1192.9	1051.7	853.4	610.2	129.1	11.1	1.3	0.0
29°	1408.1	1389.7	1311.5	1196.6	1045.1	835.7	584.9	119.1	9.8	0.8	0.0
30°	1414.5	1392.6	1310.7	1192.7	1036.4	816.7	554.5	110.6	8.4	0.8	0.0
31°	1409.2	1386.2	1302.3	1181.6	1022.4	791.9	523.3	100.1	6.9	0.5	0.0
32°	1397.8	1370.6	1287.5	1162.3	997.3	759.9	491.1	91.4	5.0	0.5	0.0
33°	1370.1	1347.1	1260.8	1136.4	964.5	716.6	449.1	82.9	3.4	0.3	0.0
34°	1335.3	1312.3	1224.4	1101.8	920.7	660.6	398.2	74.2	2.9	0.3	0.0
35°	1289.3	1266.6	1183.2	1053.5	862.6	593.3	345.6	66.5	2.4	0.3	0.0
36°	1241.0	1210.9	1131.2	1002.0	784.7	516.7	289.4	57.8	1.8	0.3	0.0
37°	1170.0	1149.6	1061.2	923.6	700.5	443.3	248.5	49.9	1.3	0.3	0.0
38°	1096.3	1077.6	991.2	844.7	606.5	370.7	208.1	42.2	1.1	0.0	0.0
39°	1020.3	989.1	903.8	743.5	508.0	310.5	175.1	35.4	0.5	0.0	0.0
40°	900.9	877.1	786.1	622.1	420.4	251.6	149.2	26.9	0.5	0.0	0.0
42.5°	597.3	575.1	479.5	337.4	223.4	147.1	98.5	10.6	0.0	0.3	0.0
45°	307.9	293.9	238.7	176.6	126.7	90.3	63.4	6.6	0.0	0.3	0.3
47.5°	122.3	119.9	108.3	93.5	72.1	53.6	34.6	2.9	0.0	0.3	0.3
50°	33.0	33.3	31.2	28.8	26.1	24.6	14.5	0.8	0.0	0.5	0.3
52.5°	14.0	14.3	13.7	12.9	11.6	8.7	5.8	0.3	0.3	0.5	0.5
55°	2.9	3.2	3.4	3.7	4.2	3.7	2.4	0.0	0.3	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.0	0.3	0.5	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	1.1
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.1	1.1
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.5



TEST NUMBER: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

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	0.3	0.3	0.5	0.8	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	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: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.1	12.1	12.1
2.5°	8.4	7.7	7.4
5°	5.8	5.0	4.5
7.5°	4.0	3.2	2.9
10°	2.6	2.1	1.8
12.5°	1.8	1.1	1.1
15°	1.1	0.8	0.8
17.5°	0.5	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.5
45°	0.3	0.5	0.8
47.5°	0.5	0.8	1.1
50°	0.5	1.1	1.1
52.5°	0.8	1.1	1.3
55°	0.8	1.3	1.3
57.5°	1.1	1.3	1.6
60°	1.1	1.3	1.3
62.5°	1.1	1.6	1.6
65°	1.3	1.6	1.6
67.5°	1.3	1.6	1.6
70°	1.1	1.3	1.6
72.5°	1.1	1.3	1.3
75°	0.8	1.1	1.1
77.5°	0.8	0.8	1.1
80°	0.5	0.8	0.8

TEST NUMBER: P1337359

CATALOG NUMBER: P3A05R259040DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)