

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: P1337388

Luminaire Tested: P3A05R259727DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337388
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: P3A05R259727DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

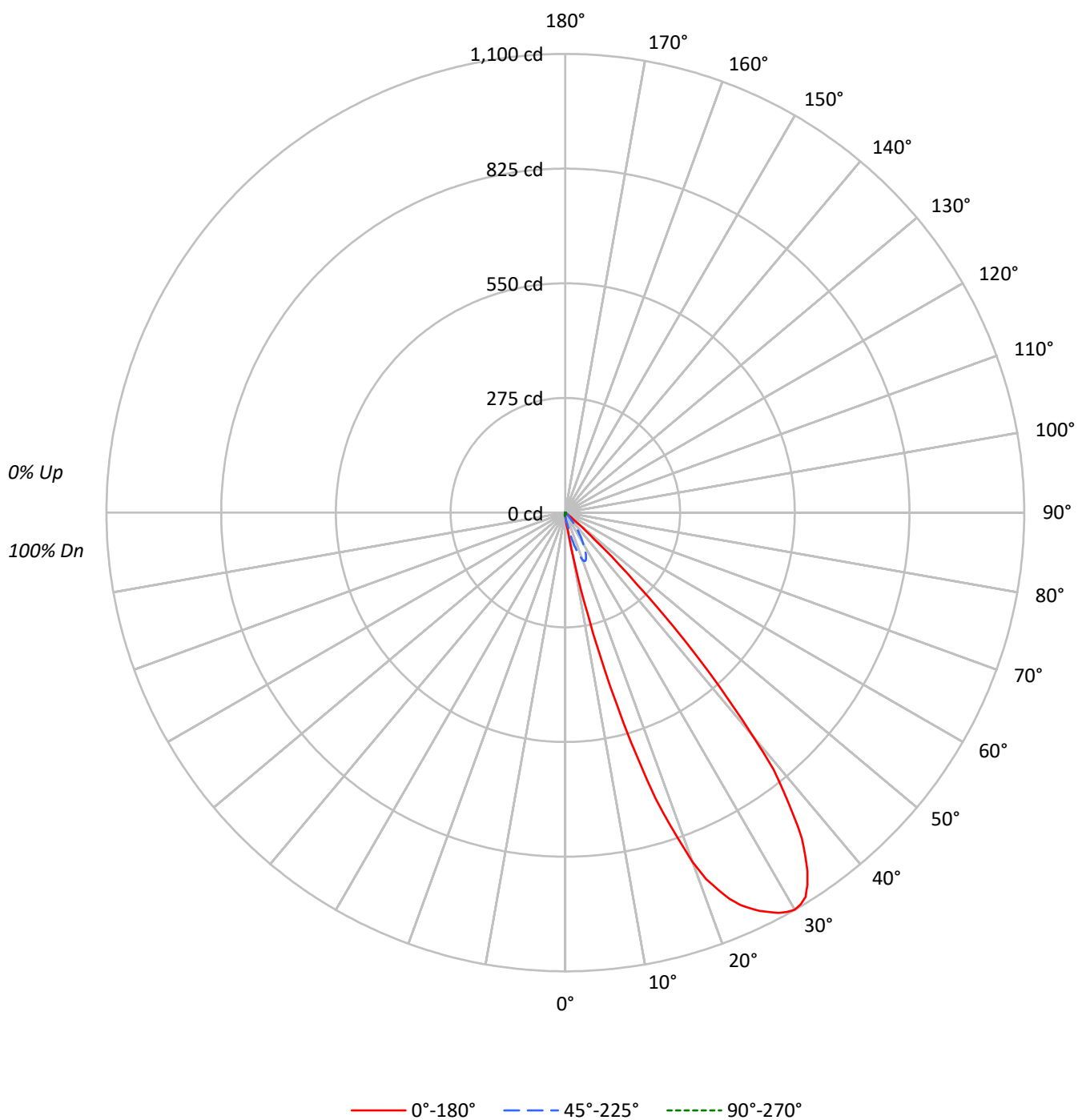
Lumens per Lamp: N/A
Luminaire Lumens: 219.9 lumens
Efficiency: N/A
Efficacy: 30.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1337388

CATALOG NUMBER: P3A05R259727DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1337388

CATALOG NUMBER: P3A05R259727DE010 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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2061	2061	2061	2061	2061
5°	5195	3830	1937	991	770
10°	22712	6546	1603	468	312
15°	108014	17616	1112	182	136
20°	207918	28212	723	47	47
25°	253224	28453	387	0	0
30°	278423	21776	152	0	0
35°	268308	13840	54	0	0
40°	200490	5983	0	0	57
45°	74209	1582	62	62	186
50°	8767	205	136	136	273
55°	879	0	153	229	382
60°	88	0	263	351	439
65°	104	104	415	519	623
70°	128	128	513	513	769
75°	169	169	508	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74209 cd/sqm

TEST NUMBER: P1337388

CATALOG NUMBER: P3A05R259727DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.6
10°-20°	25.6	11.7
20°-30°	80.5	36.6
30°-40°	84.7	38.5
40°-50°	24.9	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.2
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°	107.5	48.9
0°-40°	192.3	87.4
0°-60°	218.5	99.3
0°-90°	219.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	24	17	9	4	4	4
15°	476	78	5	1	1	150
25°	1047	118	2	0	0	480
35°	1002	52	0	0	0	605
45°	239	5	0	0	1	217
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: P1337388

CATALOG NUMBER: P3A05R259727DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	14.6	14.8	14.2	14.6	14.2	14.0	13.8	12.7	11.1	9.4	7.8
5°	23.6	23.6	22.6	22.4	22.0	21.1	20.3	17.4	12.5	8.8	6.2
7.5°	36.9	36.7	36.3	35.3	33.3	31.2	29.1	22.8	13.8	8.2	4.7
10°	102.0	100.6	98.7	87.6	75.1	64.0	54.4	29.4	14.8	7.2	3.5
12.5°	253.5	245.3	225.8	203.6	175.3	145.5	116.4	47.8	15.2	6.0	2.5
15°	475.8	458.8	428.4	384.0	326.2	261.1	205.7	77.6	14.8	4.9	1.8
17.5°	718.4	702.0	659.9	592.6	507.4	407.4	309.3	102.8	13.8	4.1	1.2
20°	891.0	873.6	834.2	762.8	670.6	537.4	407.2	120.9	12.9	3.1	0.6
21°	941.5	924.1	882.4	813.5	716.6	582.9	438.6	124.0	12.3	2.7	0.4
22°	973.6	963.3	918.6	851.6	752.9	619.5	465.5	125.4	11.9	2.5	0.4
23°	1005.8	990.4	948.5	877.9	780.6	646.6	485.4	124.4	11.5	2.1	0.2
24°	1029.6	1016.7	968.0	898.2	799.9	663.2	497.1	121.7	10.9	1.8	0.2
25°	1046.6	1034.7	984.0	912.0	812.8	672.2	500.8	117.6	10.3	1.6	0.2
26°	1062.9	1049.9	997.4	920.0	819.6	675.1	497.4	113.1	9.6	1.4	0.0
27°	1074.6	1061.4	1006.6	924.7	820.0	671.6	487.9	106.9	9.0	1.2	0.0
28°	1087.1	1071.9	1013.0	927.4	817.6	663.4	474.4	100.4	8.6	1.0	0.0
29°	1094.7	1080.3	1019.5	930.3	812.4	649.7	454.7	92.6	7.6	0.6	0.0
30°	1099.6	1082.6	1018.9	927.2	805.7	634.9	431.1	86.0	6.6	0.6	0.0
31°	1095.5	1077.6	1012.4	918.6	794.8	615.6	406.8	77.8	5.3	0.4	0.0
32°	1086.7	1065.5	1000.9	903.6	775.3	590.7	381.8	71.0	3.9	0.4	0.0
33°	1065.1	1047.3	980.1	883.5	749.8	557.1	349.2	64.5	2.7	0.2	0.0
34°	1038.0	1020.2	951.8	856.6	715.8	513.6	309.5	57.7	2.3	0.2	0.0
35°	1002.3	984.6	919.8	819.0	670.6	461.2	268.7	51.7	1.8	0.2	0.0
36°	964.7	941.3	879.3	779.0	610.0	401.7	225.0	45.0	1.4	0.2	0.0
37°	909.5	893.7	825.0	718.0	544.6	344.6	193.2	38.8	1.0	0.2	0.0
38°	852.3	837.7	770.6	656.6	471.5	288.2	161.7	32.8	0.8	0.0	0.0
39°	793.1	768.9	702.6	578.0	394.9	241.4	136.1	27.5	0.4	0.0	0.0
40°	700.4	681.9	611.1	483.6	326.8	195.6	116.0	20.9	0.4	0.0	0.0
42.5°	464.3	447.1	372.8	262.3	173.7	114.3	76.6	8.2	0.0	0.2	0.0
45°	239.3	228.5	185.6	137.3	98.5	70.2	49.3	5.1	0.0	0.2	0.2
47.5°	95.0	93.2	84.2	72.7	56.0	41.7	26.9	2.3	0.0	0.2	0.2
50°	25.7	25.9	24.2	22.4	20.3	19.1	11.3	0.6	0.0	0.4	0.2
52.5°	10.9	11.1	10.7	10.1	9.0	6.8	4.5	0.2	0.2	0.4	0.4
55°	2.3	2.5	2.7	2.9	3.3	2.9	1.8	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



TEST NUMBER: P1337388

CATALOG NUMBER: P3A05R259727DE010 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	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
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: P1337388

CATALOG NUMBER: P3A05R259727DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	9.4	9.4	9.4
2.5°	6.6	6.0	5.7
5°	4.5	3.9	3.5
7.5°	3.1	2.5	2.3
10°	2.1	1.6	1.4
12.5°	1.4	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	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	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6

TEST NUMBER: P1337388

CATALOG NUMBER: P3A05R259727DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
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)