

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: P1338408

Luminaire Tested: P3A05R359727DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338408
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: P3A05R359727DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

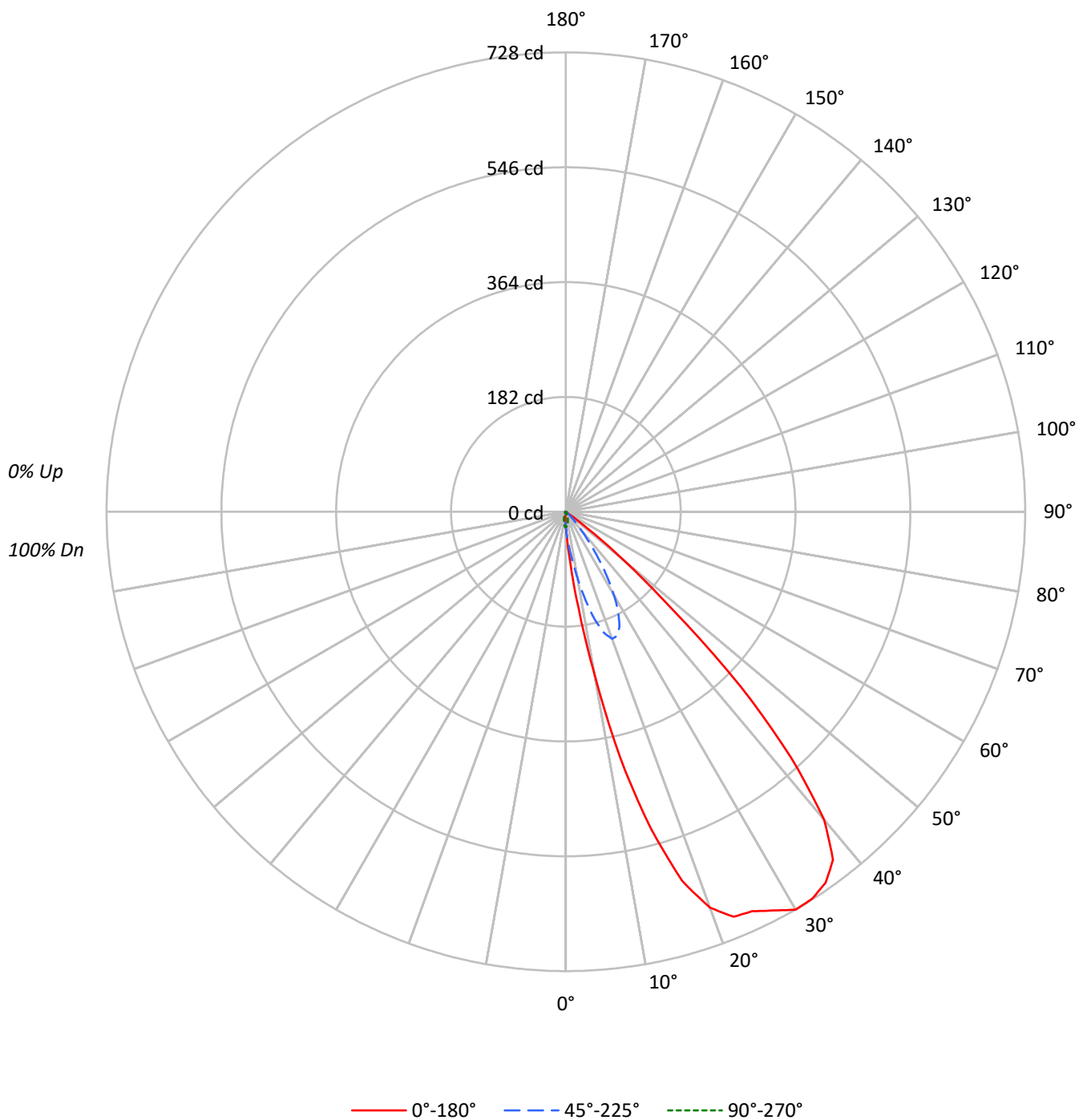
Lumens per Lamp: N/A
Luminaire Lumens: 228.9 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1338408

CATALOG NUMBER: P3A05R359727DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1338408

CATALOG NUMBER: P3A05R359727DE010 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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5285	5285	5285	5285	5285
5°	17962	11666	4931	2091	1541
10°	57803	23669	3897	779	512
15°	117776	40136	2747	272	182
20°	155764	49984	1773	93	93
25°	169002	48583	992	48	97
30°	184357	38715	405	51	101
35°	192096	24092	107	54	107
40°	182284	10534	57	115	172
45°	121687	4217	62	186	310
50°	40800	716	136	273	409
55°	2294	76	153	382	535
60°	175	88	263	439	614
65°	208	104	311	519	726
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 121687 cd/sqm

TEST NUMBER: P1338408

CATALOG NUMBER: P3A05R359727DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	1.8
10°-20°	32.9	14.4
20°-30°	69.4	30.3
30°-40°	78.8	34.4
40°-50°	38.8	16.9
50°-60°	3.3	1.5
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°	106.5	46.5
0°-40°	185.2	80.9
0°-60°	227.3	99.3
0°-90°	228.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	228.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	82	53	22	10	7	13
15°	519	177	12	1	1	148
25°	698	201	4	0	0	325
35°	718	90	0	0	0	442
45°	392	14	0	1	1	290
55°	6	0	0	1	1	23
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: P1338408

CATALOG NUMBER: P3A05R359727DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	41.7	42.8	42.3	42.1	41.9	41.1	39.3	39.1	37.2	36.0	29.8
5°	81.6	80.0	80.4	78.1	75.2	71.1	68.5	62.7	58.0	53.0	34.7
7.5°	153.8	151.5	147.2	140.6	133.8	125.0	111.6	100.9	88.6	76.9	38.6
10°	259.6	258.4	252.8	236.0	221.2	197.5	175.3	151.9	128.9	106.3	41.3
12.5°	401.1	392.6	382.6	360.1	331.0	301.4	257.6	217.1	180.3	142.5	41.5
15°	518.8	513.5	499.3	470.1	435.0	392.2	340.2	285.7	230.2	176.8	39.5
17.5°	613.6	605.4	587.1	558.5	518.0	462.5	401.7	335.3	267.6	201.2	36.0
20°	667.5	663.2	649.2	620.6	576.4	515.8	446.5	369.2	291.1	214.2	31.5
22.5°	694.6	691.5	681.2	658.4	617.1	556.1	476.7	386.9	297.9	212.8	26.7
25°	698.5	697.7	688.8	671.6	637.0	576.6	489.9	390.2	292.3	200.8	22.2
27.5°	712.1	709.2	698.7	681.4	646.7	580.1	485.3	378.9	274.4	179.9	18.5
30°	728.1	726.1	715.6	697.7	656.6	576.8	469.3	353.8	245.9	152.9	13.8
32.5°	726.9	726.1	717.2	698.3	649.6	557.5	440.7	316.2	207.0	120.7	8.6
35°	717.6	714.7	703.6	674.5	609.7	507.7	386.5	265.2	163.8	90.0	5.6
37.5°	695.4	689.3	670.6	621.0	538.4	431.1	314.7	204.7	115.9	60.2	3.5
40°	636.8	629.0	591.4	531.6	445.0	339.6	234.1	140.8	76.5	36.8	1.4
42.5°	528.3	512.5	474.9	413.4	332.2	240.1	153.8	91.3	45.0	22.2	0.4
45°	392.4	380.3	340.8	285.1	217.7	154.0	93.1	49.3	24.9	13.6	0.2
47.5°	228.6	221.2	200.8	164.2	120.3	80.8	47.7	26.5	14.6	6.6	0.2
50°	119.6	110.4	95.0	71.9	53.0	37.2	23.2	14.2	7.2	2.1	0.2
52.5°	41.9	41.3	37.6	28.4	23.0	16.7	11.3	6.2	2.1	0.4	0.2
55°	6.0	6.0	5.6	6.2	6.6	6.0	3.9	1.6	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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: P1338408

CATALOG NUMBER: P3A05R359727DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	24.1	24.1	24.1	24.1	24.1
2.5°	23.8	19.1	15.2	13.4	12.7
5°	22.4	14.4	9.5	7.4	7.0
7.5°	19.9	10.3	5.8	4.1	3.9
10°	17.5	7.4	3.5	2.5	2.3
12.5°	14.6	5.1	2.3	1.4	1.2
15°	12.1	3.5	1.2	1.0	0.8
17.5°	9.7	2.3	0.8	0.6	0.8
20°	7.6	1.4	0.4	0.4	0.4
22.5°	5.8	0.8	0.4	0.4	0.4
25°	4.1	0.4	0.2	0.2	0.4
27.5°	2.9	0.2	0.2	0.2	0.4
30°	1.6	0.2	0.2	0.2	0.4
32.5°	0.8	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.4
55°	0.4	0.8	1.0	1.4	1.4
57.5°	0.6	0.8	1.0	1.4	1.4
60°	0.6	0.8	1.0	1.4	1.4
62.5°	0.6	0.8	1.0	1.4	1.4
65°	0.6	0.8	1.0	1.4	1.4
67.5°	0.6	0.8	1.0	1.2	1.4
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)