

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: P1338424

Luminaire Tested: P3A05R359730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338424
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: P3A05R359730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

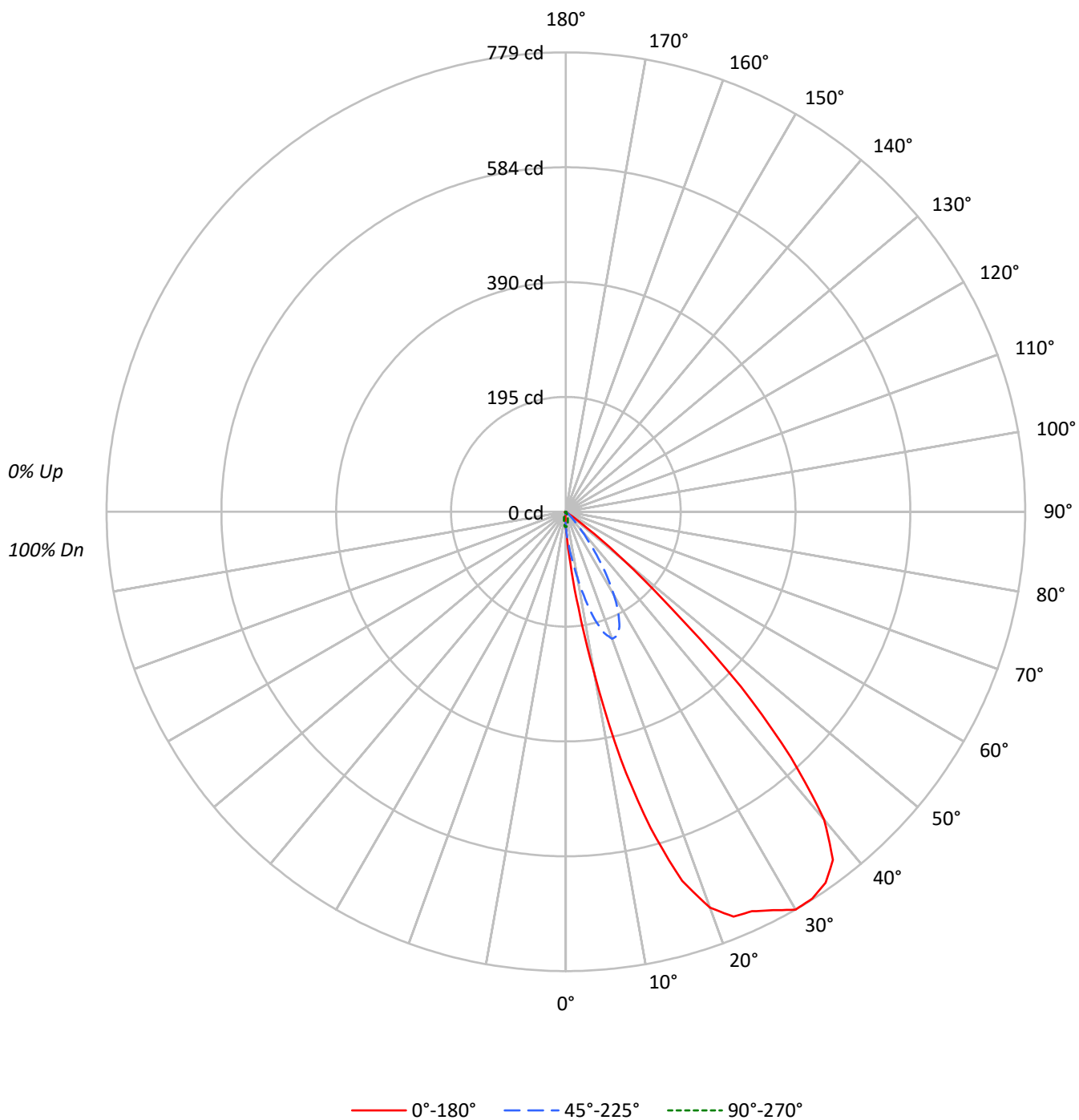
Lumens per Lamp: N/A
Luminaire Lumens: 245.0 lumens
Efficiency: N/A
Efficacy: 34.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1338424

CATALOG NUMBER: P3A05R359730DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1338424

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	83	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°	5636	5636	5636	5636	5636
5°	19216	12481	5283	2223	1651
10°	61856	25317	4164	824	534
15°	126017	42929	2951	295	204
20°	166638	53485	1890	93	93
25°	180809	51995	1065	48	97
30°	197246	41424	456	51	101
35°	205534	25779	107	54	107
40°	195023	11278	57	115	200
45°	130184	4497	62	217	341
50°	43666	751	136	307	443
55°	2447	76	153	421	573
60°	175	88	307	482	658
65°	208	104	363	571	778
70°	128	128	449	705	833
75°	169	169	593	763	932
80°	0	253	884	884	884
85°	0	503	1761	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 130184 cd/sqm

TEST NUMBER: P1338424

CATALOG NUMBER: P3A05R359730DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	1.8
10°-20°	35.2	14.4
20°-30°	74.3	30.3
30°-40°	84.3	34.4
40°-50°	41.5	16.9
50°-60°	3.6	1.5
60°-70°	0.7	0.3
70°-80°	0.7	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°	113.9	46.5
0°-40°	198.2	80.9
0°-60°	243.2	99.3
0°-90°	245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	87	57	24	10	8	14
15°	555	189	13	1	1	158
25°	747	215	4	0	0	348
35°	768	96	0	0	0	473
45°	420	14	0	1	1	310
55°	6	0	0	1	2	25
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: P1338424

CATALOG NUMBER: P3A05R359730DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	44.6	45.7	45.3	45.1	44.9	44.0	42.0	41.8	39.8	38.5	31.9
5°	87.3	85.6	86.0	83.6	80.5	76.1	73.2	67.1	62.0	56.7	37.2
7.5°	164.5	162.1	157.5	150.4	143.2	133.7	119.4	108.0	94.8	82.3	41.3
10°	277.8	276.4	270.5	252.5	236.6	211.4	187.6	162.5	137.9	113.7	44.2
12.5°	429.1	420.1	409.3	385.3	354.1	322.4	275.6	232.2	192.9	152.4	44.4
15°	555.1	549.4	534.2	503.0	465.4	419.6	364.0	305.7	246.3	189.1	42.2
17.5°	656.5	647.7	628.1	597.5	554.2	494.8	429.7	358.7	286.3	215.3	38.5
20°	714.1	709.5	694.5	664.0	616.7	551.8	477.7	395.0	311.4	229.2	33.6
22.5°	743.1	739.8	728.8	704.4	660.2	594.9	510.0	413.9	318.7	227.6	28.6
25°	747.3	746.4	737.0	718.5	681.6	616.9	524.1	417.4	312.7	214.9	23.8
27.5°	761.8	758.7	747.5	729.1	691.9	620.6	519.2	405.3	293.6	192.4	19.8
30°	779.0	776.8	765.6	746.4	702.4	617.1	502.1	378.5	263.0	163.6	14.7
32.5°	777.7	776.8	767.3	747.1	695.0	596.4	471.5	338.2	221.5	129.1	9.2
35°	767.8	764.7	752.8	721.6	652.3	543.2	413.5	283.7	175.3	96.3	5.9
37.5°	744.0	737.4	717.4	664.4	576.0	461.2	336.7	219.0	124.0	64.4	3.7
40°	681.3	673.0	632.7	568.7	476.1	363.3	250.5	150.7	81.8	39.4	1.5
42.5°	565.2	548.3	508.0	442.3	355.4	256.9	164.5	97.6	48.2	23.8	0.4
45°	419.8	406.9	364.6	305.0	232.9	164.7	99.6	52.8	26.6	14.5	0.2
47.5°	244.6	236.6	214.9	175.7	128.7	86.4	51.0	28.4	15.6	7.0	0.2
50°	128.0	118.1	101.6	77.0	56.7	39.8	24.9	15.2	7.7	2.2	0.2
52.5°	44.9	44.2	40.2	30.3	24.6	17.8	12.1	6.6	2.2	0.4	0.2
55°	6.4	6.4	5.9	6.6	7.0	6.4	4.2	1.8	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.7	0.9	0.9	0.7	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	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
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: P1338424

CATALOG NUMBER: P3A05R359730DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	25.7	25.7	25.7	25.7	25.7
2.5°	25.5	20.5	16.3	14.3	13.6
5°	24.0	15.4	10.1	7.9	7.5
7.5°	21.3	11.0	6.2	4.4	4.2
10°	18.7	7.9	3.7	2.6	2.4
12.5°	15.6	5.5	2.4	1.5	1.3
15°	13.0	3.7	1.3	1.1	0.9
17.5°	10.3	2.4	0.9	0.7	0.9
20°	8.1	1.5	0.4	0.4	0.4
22.5°	6.2	0.9	0.4	0.4	0.4
25°	4.4	0.4	0.2	0.2	0.4
27.5°	3.1	0.2	0.2	0.2	0.4
30°	1.8	0.2	0.2	0.2	0.4
32.5°	0.9	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	0.7
40°	0.2	0.2	0.4	0.7	0.7
42.5°	0.2	0.2	0.4	0.7	0.9
45°	0.2	0.4	0.7	0.9	1.1
47.5°	0.4	0.4	0.9	1.1	1.3
50°	0.4	0.7	0.9	1.3	1.3
52.5°	0.4	0.7	1.1	1.3	1.5
55°	0.4	0.9	1.1	1.5	1.5
57.5°	0.7	0.9	1.1	1.5	1.5
60°	0.7	0.9	1.1	1.5	1.5
62.5°	0.7	0.9	1.1	1.5	1.5
65°	0.7	0.9	1.1	1.5	1.5
67.5°	0.7	0.9	1.1	1.3	1.5
70°	0.7	0.9	1.1	1.3	1.3
72.5°	0.9	0.9	1.1	1.3	1.3
75°	0.7	0.9	0.9	1.1	1.1
77.5°	0.7	0.7	0.7	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.4	0.4	0.7	0.7
85°	0.7	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)