

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: P1337942

Luminaire Tested: P3A05R309740DE010 E3A301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R309740DE010 E3A301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3A301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

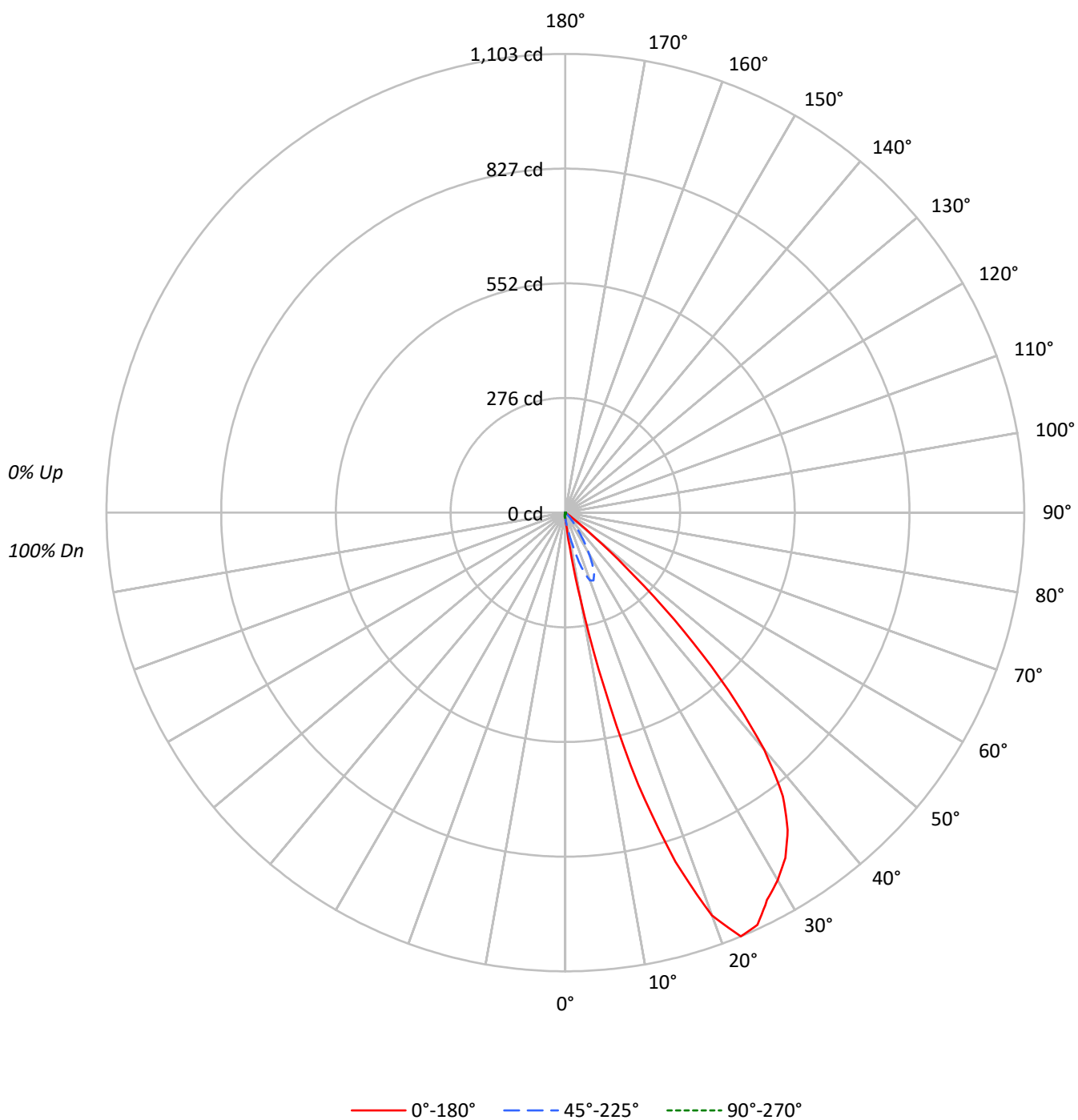
Lumens per Lamp: N/A
Luminaire Lumens: 260.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1337942

CATALOG NUMBER: P3A05R309740DE010 E3A301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1337942

CATALOG NUMBER: P3A05R309740DE010 E3A301MW

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	103	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2719	2719	2719	2719	2719
5°	8166	5437	2553	1145	947
10°	47249	11534	2004	534	379
15°	153667	26152	1407	114	45
20°	240448	40464	887	0	0
25°	264523	39559	460	0	0
30°	258369	28511	177	0	0
35°	249382	16222	54	0	0
40°	212656	6870	0	0	0
45°	124819	2574	62	0	62
50°	30327	478	68	68	239
55°	2638	0	191	268	382
60°	88	0	219	307	526
65°	104	104	363	363	623
70°	128	128	449	449	641
75°	0	169	593	593	593
80°	0	253	884	631	631
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 124819 cd/sqm

TEST NUMBER: P1337942

CATALOG NUMBER: P3A05R309740DE010 E3A301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.9
10°-20°	35.7	13.7
20°-30°	90.8	34.9
30°-40°	90.5	34.8
40°-50°	36.7	14.1
50°-60°	2.5	1.0
60°-70°	0.6	0.2
70°-80°	0.6	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°	128.8	49.5
0°-40°	219.3	84.4
0°-60°	258.5	99.4
0°-90°	260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	37	25	12	5	4	9
15°	677	115	6	0	0	197
25°	1093	164	2	0	0	494
35°	932	61	0	0	0	571
45°	402	8	0	0	0	307
55°	7	0	0	1	1	18
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: P1337942

CATALOG NUMBER: P3A05R309740DE010 E3A301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	20.4	20.7	20.7	20.2	20.0	20.0	19.2	19.0	18.3	17.6	15.2
5°	37.1	36.3	35.4	35.4	33.3	32.1	30.4	28.5	27.1	24.7	17.6
7.5°	84.1	78.4	76.7	74.6	66.5	60.1	52.7	46.3	40.4	35.4	19.5
10°	212.2	201.0	191.7	173.0	149.4	126.9	106.0	81.7	65.1	51.8	20.9
12.5°	427.4	412.4	394.6	360.4	316.5	260.2	210.3	157.0	110.2	76.3	21.4
15°	676.9	651.4	623.6	580.2	508.2	427.4	337.4	252.5	177.0	115.2	20.9
17.5°	880.2	870.3	829.2	769.8	681.6	577.6	466.6	350.7	238.8	150.9	19.5
20°	1030.4	1023.5	973.8	910.6	811.3	692.1	551.2	412.0	281.8	173.4	17.3
22.5°	1102.8	1101.7	1065.8	1001.2	895.9	760.7	605.6	447.4	295.1	176.5	14.5
25°	1093.3	1097.6	1077.2	1029.2	928.2	789.0	621.7	447.4	285.3	163.5	12.1
27.5°	1050.1	1053.0	1040.1	1003.3	909.2	768.6	599.2	418.6	257.1	140.4	10.0
30°	1020.4	1021.6	1005.7	966.2	866.5	722.0	546.0	365.4	214.3	112.6	7.4
32.5°	984.3	984.1	965.5	920.4	810.4	656.7	478.5	302.0	164.6	85.5	4.3
35°	931.6	925.6	900.4	848.4	726.8	568.8	392.2	230.0	118.6	60.6	2.6
37.5°	859.1	843.6	808.0	738.4	609.4	445.9	290.8	161.6	81.0	40.2	1.7
40°	742.9	726.5	678.1	593.5	460.9	321.0	196.0	105.2	51.1	24.0	1.0
42.5°	582.5	571.4	506.0	421.7	304.3	204.8	117.8	62.2	28.7	13.8	0.2
45°	402.5	388.0	336.7	265.1	182.7	113.6	66.0	32.5	16.4	8.3	0.0
47.5°	222.1	204.3	174.6	137.3	91.9	59.6	33.3	17.6	9.3	4.0	0.0
50°	88.9	88.1	70.1	49.9	35.2	27.1	16.6	9.5	4.8	1.4	0.2
52.5°	31.1	31.1	26.8	21.9	17.1	12.4	8.3	4.5	1.7	0.5	0.2
55°	6.9	7.6	7.1	6.7	6.4	5.5	3.6	1.7	0.5	0.0	0.2
57.5°	0.7	0.7	0.7	1.0	1.2	1.2	1.0	0.5	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.5
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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: P1337942

CATALOG NUMBER: P3A05R309740DE010 E3A301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.4	12.4	12.4	12.4	12.4
2.5°	12.4	9.7	8.1	7.1	6.9
5°	11.6	7.4	5.2	4.5	4.3
7.5°	10.5	5.5	3.6	2.9	2.6
10°	9.0	4.0	2.4	1.7	1.7
12.5°	7.6	3.1	1.4	0.7	0.5
15°	6.2	1.9	0.5	0.2	0.2
17.5°	4.8	1.2	0.0	0.0	0.0
20°	3.8	0.5	0.0	0.0	0.0
22.5°	2.9	0.2	0.0	0.0	0.0
25°	1.9	0.0	0.0	0.0	0.0
27.5°	1.2	0.0	0.0	0.0	0.0
30°	0.7	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.5	0.5
50°	0.2	0.2	0.2	0.5	0.7
52.5°	0.5	0.2	0.5	0.7	0.7
55°	0.5	0.5	0.7	1.0	1.0
57.5°	0.5	0.5	0.7	1.0	1.0
60°	0.5	0.5	0.7	1.0	1.2
62.5°	0.7	0.7	0.7	1.0	1.0
65°	0.7	0.7	0.7	1.0	1.2
67.5°	0.7	0.7	0.7	1.0	1.2
70°	0.7	0.7	0.7	1.0	1.0
72.5°	1.0	0.7	0.7	1.0	1.0
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.5	0.7	0.7
80°	0.7	0.5	0.5	0.5	0.5
82.5°	0.7	0.5	0.5	0.5	0.5
85°	0.7	0.5	0.2	0.2	0.2
87.5°	0.7	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)