

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: P1337383

Luminaire Tested: P3A05R259727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337383
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 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

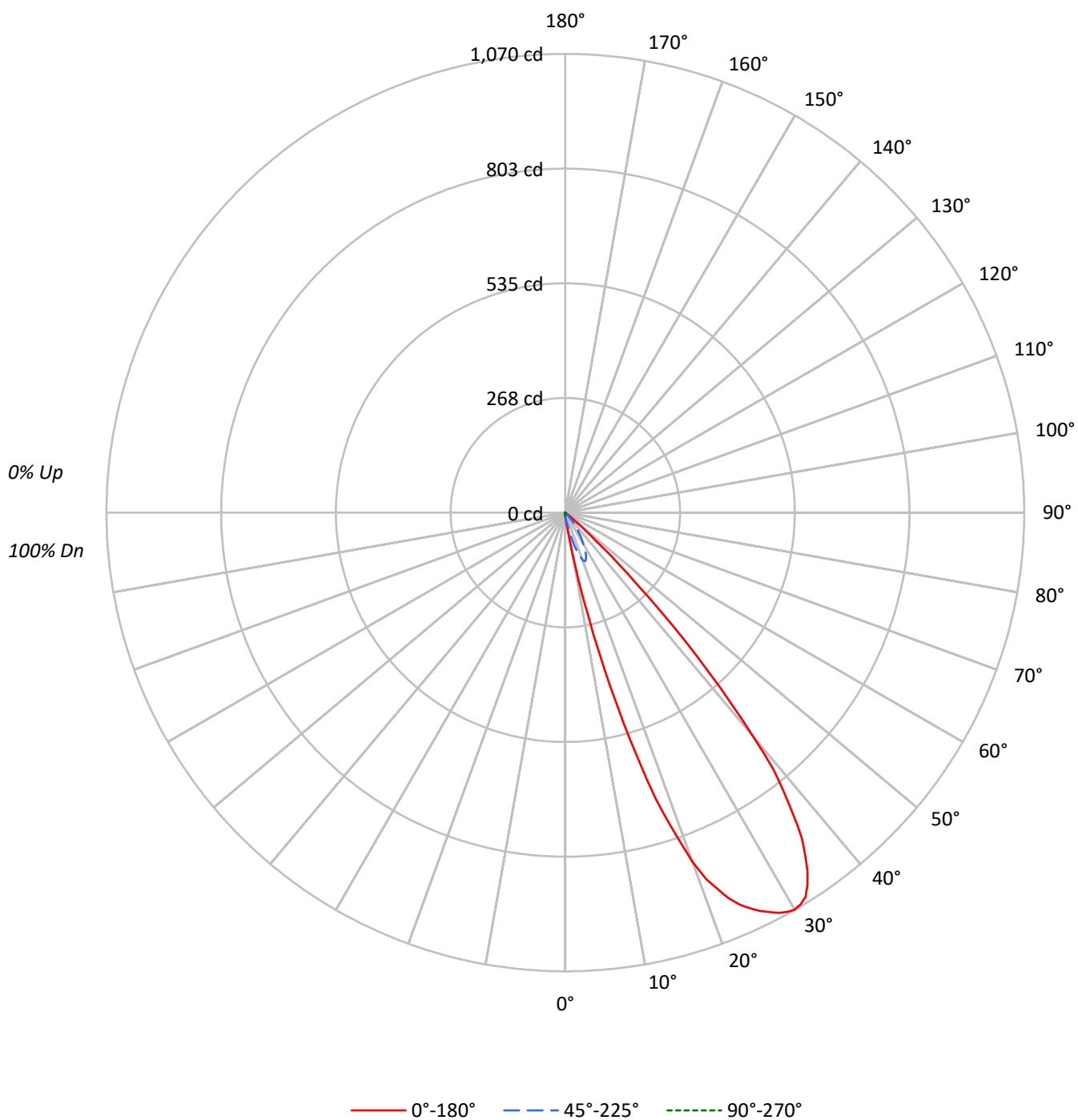
Lumens per Lamp: N/A
Luminaire Lumens: 214.0 lumens
Efficiency: N/A
Efficacy: 29.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2017	2017	2017	2017	2017
5°	5063	3742	1893	969	748
10°	22088	6368	1559	445	312
15°	105063	17140	1090	182	136
20°	202248	27442	700	47	47
25°	246329	27679	387	0	0
30°	270826	21193	152	0	0
35°	261000	13465	54	0	0
40°	195023	5840	0	0	57
45°	72194	1551	62	62	186
50°	8529	205	136	136	273
55°	841	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: 72194 cd/sqm

TEST NUMBER: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	25.0	11.7
20°-30°	78.3	36.6
30°-40°	82.4	38.5
40°-50°	24.2	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	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°	104.6	48.9
0°-40°	187.0	87.4
0°-60°	212.6	99.3
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	23	17	9	4	3	4
15°	463	76	5	1	1	146
25°	1018	114	2	0	0	467
35°	975	50	0	0	0	588
45°	233	5	0	0	1	212
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: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
2.5°	14.2	14.4	13.8	14.2	13.8	13.6	13.4	12.4	10.8	9.2	7.6
5°	23.0	23.0	22.0	21.8	21.4	20.6	19.8	17.0	12.2	8.6	6.0
7.5°	35.9	35.7	35.3	34.3	32.3	30.3	28.4	22.2	13.4	8.0	4.6
10°	99.2	97.8	96.0	85.3	73.1	62.3	52.9	28.6	14.4	7.0	3.4
12.5°	246.6	238.6	219.6	198.1	170.5	141.6	113.2	46.5	14.8	5.8	2.4
15°	462.8	446.3	416.7	373.6	317.3	254.0	200.1	75.5	14.4	4.8	1.8
17.5°	698.8	682.9	641.9	576.4	493.6	396.3	300.9	100.0	13.4	4.0	1.2
20°	866.7	849.8	811.4	742.0	652.3	522.7	396.1	117.6	12.6	3.0	0.6
21°	915.9	898.9	858.4	791.3	697.0	567.0	426.7	120.6	12.0	2.6	0.4
22°	947.0	937.0	893.5	828.4	732.4	602.6	452.8	122.0	11.6	2.4	0.4
23°	978.4	963.4	922.7	854.0	759.3	628.9	472.2	121.0	11.2	2.0	0.2
24°	1001.5	988.9	941.6	873.7	778.1	645.1	483.6	118.4	10.6	1.8	0.2
25°	1018.1	1006.5	957.2	887.1	790.7	653.9	487.2	114.4	10.0	1.6	0.2
26°	1033.9	1021.3	970.2	894.9	797.3	656.7	483.8	110.0	9.4	1.4	0.0
27°	1045.2	1032.5	979.2	899.5	797.7	653.3	474.6	104.0	8.8	1.2	0.0
28°	1057.4	1042.6	985.3	902.1	795.3	645.3	461.4	97.6	8.4	1.0	0.0
29°	1064.8	1050.8	991.7	904.9	790.3	631.9	442.3	90.0	7.4	0.6	0.0
30°	1069.6	1053.0	991.1	901.9	783.7	617.6	419.3	83.7	6.4	0.6	0.0
31°	1065.6	1048.2	984.7	893.5	773.1	598.8	395.7	75.7	5.2	0.4	0.0
32°	1057.0	1036.5	973.6	878.9	754.1	574.6	371.4	69.1	3.8	0.4	0.0
33°	1036.1	1018.7	953.4	859.4	729.4	541.9	339.6	62.7	2.6	0.2	0.0
34°	1009.7	992.3	925.8	833.2	696.2	499.6	301.1	56.1	2.2	0.2	0.0
35°	975.0	957.8	894.7	796.7	652.3	448.6	261.4	50.3	1.8	0.2	0.0
36°	938.4	915.7	855.4	757.7	593.4	390.7	218.8	43.7	1.4	0.2	0.0
37°	884.7	869.3	802.5	698.4	529.7	335.2	187.9	37.7	1.0	0.2	0.0
38°	829.0	814.8	749.5	638.7	458.6	280.3	157.3	31.9	0.8	0.0	0.0
39°	771.5	747.9	683.5	562.3	384.2	234.8	132.4	26.8	0.4	0.0	0.0
40°	681.3	663.3	594.4	470.4	317.9	190.3	112.8	20.4	0.4	0.0	0.0
42.5°	451.6	434.9	362.6	255.2	168.9	111.2	74.5	8.0	0.0	0.2	0.0
45°	232.8	222.2	180.5	133.6	95.8	68.3	47.9	5.0	0.0	0.2	0.2
47.5°	92.4	90.6	81.9	70.7	54.5	40.5	26.2	2.2	0.0	0.2	0.2
50°	25.0	25.2	23.6	21.8	19.8	18.6	11.0	0.6	0.0	0.4	0.2
52.5°	10.6	10.8	10.4	9.8	8.8	6.6	4.4	0.2	0.2	0.4	0.4
55°	2.2	2.4	2.6	2.8	3.2	2.8	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: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

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: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	9.2	9.2	9.2
2.5°	6.4	5.8	5.6
5°	4.4	3.8	3.4
7.5°	3.0	2.4	2.2
10°	2.0	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: P1337383

CATALOG NUMBER: P3A05R259727DE010 E3A301GPH

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)