

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: P1337923

Luminaire Tested: P3A05R309735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337923
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: P3A05R309735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

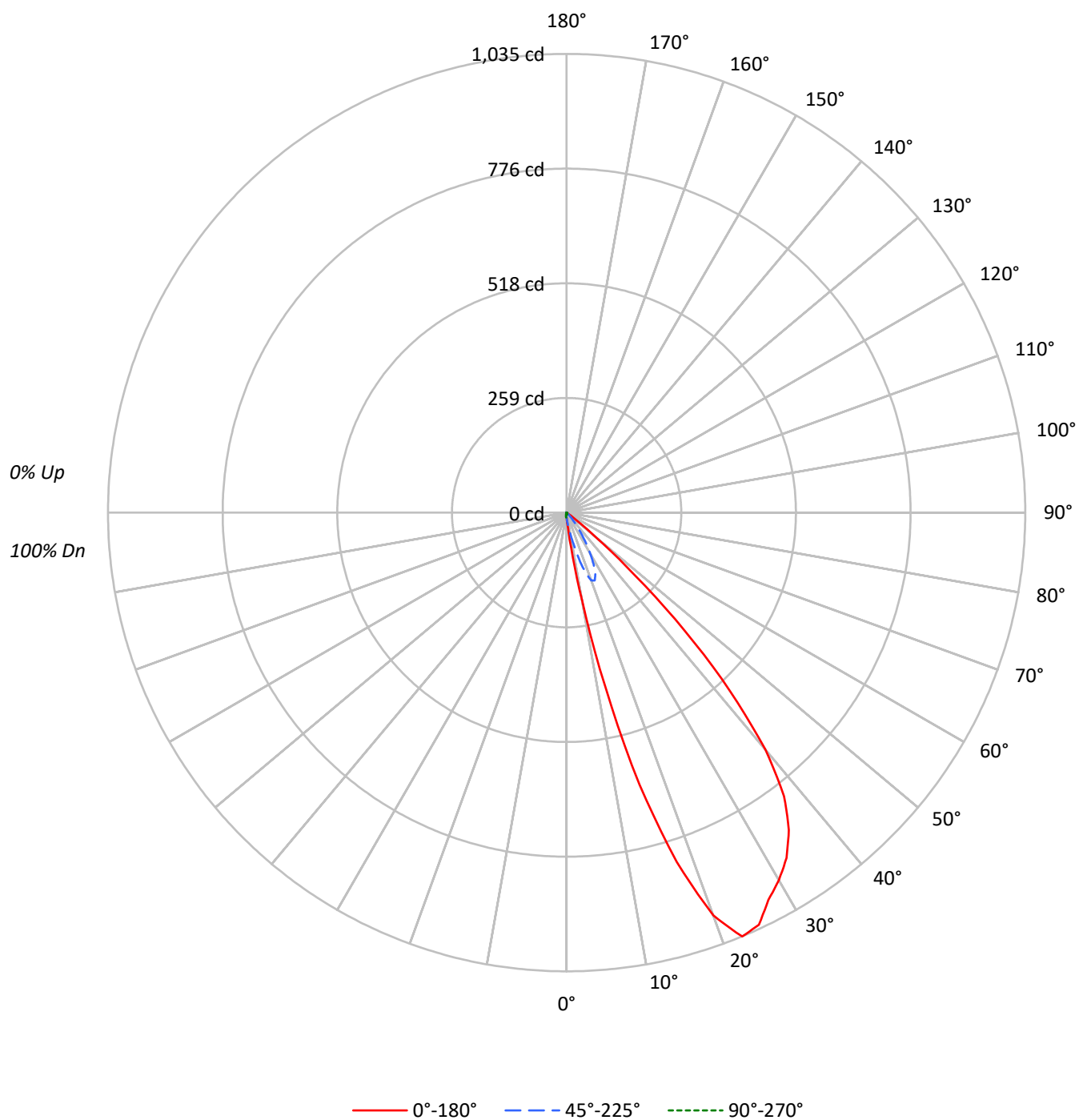
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1337923

CATALOG NUMBER: P3A05R309735DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1337923

CATALOG NUMBER: P3A05R309735DE010 E3A301GPH

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2544	2544	2544	2544	2544
5°	7660	5107	2399	1079	880
10°	44332	10821	1893	490	356
15°	144201	24540	1317	91	45
20°	225653	37990	840	0	0
25°	248264	37115	436	0	0
30°	242468	26764	177	0	0
35°	234017	15232	54	0	0
40°	199574	6441	0	0	0
45°	117128	2419	62	0	62
50°	28451	443	68	68	239
55°	2485	0	153	268	344
60°	88	0	175	307	482
65°	104	104	363	363	571
70°	128	128	449	449	577
75°	0	169	593	593	593
80°	0	253	884	505	505
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 117128 cd/sqm

TEST NUMBER: P1337923

CATALOG NUMBER: P3A05R309735DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.9
10°-20°	33.5	13.7
20°-30°	85.2	34.9
30°-40°	84.9	34.8
40°-50°	34.4	14.1
50°-60°	2.4	1.0
60°-70°	0.5	0.2
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°	120.9	49.6
0°-40°	205.8	84.4
0°-60°	242.6	99.4
0°-90°	244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	35	23	11	5	4	8
15°	635	108	6	0	0	185
25°	1026	153	2	0	0	463
35°	874	57	0	0	0	536
45°	378	8	0	0	0	288
55°	6	0	0	1	1	17
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: P1337923

CATALOG NUMBER: P3A05R309735DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	19.2	19.4	19.4	19.0	18.7	18.7	18.1	17.8	17.2	16.5	14.3
5°	34.8	34.1	33.2	33.2	31.2	30.1	28.5	26.8	25.4	23.2	16.5
7.5°	78.9	73.6	72.0	70.0	62.4	56.4	49.5	43.5	37.9	33.2	18.3
10°	199.1	188.6	179.9	162.3	140.2	119.1	99.4	76.7	61.1	48.6	19.6
12.5°	401.1	387.1	370.3	338.2	297.0	244.1	197.3	147.4	103.5	71.6	20.1
15°	635.2	611.4	585.3	544.5	476.9	401.1	316.6	237.0	166.1	108.1	19.6
17.5°	826.1	816.7	778.1	722.4	639.7	542.0	437.9	329.1	224.1	141.6	18.3
20°	967.0	960.5	913.9	854.6	761.4	649.5	517.3	386.6	264.4	162.8	16.3
22.5°	1035.0	1033.9	1000.2	939.6	840.8	713.9	568.3	419.8	276.9	165.7	13.6
25°	1026.1	1030.1	1010.9	965.9	871.1	740.5	583.5	419.8	267.8	153.4	11.4
27.5°	985.5	988.2	976.1	941.6	853.3	721.3	562.3	392.9	241.2	131.8	9.4
30°	957.6	958.7	943.8	906.8	813.1	677.6	512.4	342.9	201.1	105.7	6.9
32.5°	923.7	923.5	906.1	863.7	760.5	616.3	449.0	283.4	154.5	80.3	4.0
35°	874.2	868.7	845.0	796.2	682.0	533.8	368.1	215.8	111.3	56.9	2.5
37.5°	806.2	791.7	758.3	693.0	571.9	418.5	272.9	151.6	76.0	37.7	1.6
40°	697.2	681.8	636.3	557.0	432.5	301.2	183.9	98.8	47.9	22.5	0.9
42.5°	546.7	536.2	474.9	395.8	285.6	192.2	110.6	58.4	27.0	12.9	0.2
45°	377.7	364.1	315.9	248.8	171.5	106.6	62.0	30.5	15.4	7.8	0.0
47.5°	208.5	191.7	163.9	128.9	86.3	56.0	31.2	16.5	8.7	3.8	0.0
50°	83.4	82.7	65.8	46.8	33.0	25.4	15.6	8.9	4.5	1.3	0.2
52.5°	29.2	29.2	25.2	20.5	16.1	11.6	7.8	4.2	1.6	0.4	0.2
55°	6.5	7.1	6.7	6.2	6.0	5.1	3.3	1.6	0.4	0.0	0.2
57.5°	0.7	0.7	0.7	0.9	1.1	1.1	0.9	0.4	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	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	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°	0.0	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	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	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: P1337923

CATALOG NUMBER: P3A05R309735DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	11.6	11.6	11.6	11.6	11.6
2.5°	11.6	9.1	7.6	6.7	6.5
5°	10.9	6.9	4.9	4.2	4.0
7.5°	9.8	5.1	3.3	2.7	2.5
10°	8.5	3.8	2.2	1.6	1.6
12.5°	7.1	2.9	1.3	0.7	0.4
15°	5.8	1.8	0.4	0.2	0.2
17.5°	4.5	1.1	0.0	0.0	0.0
20°	3.6	0.4	0.0	0.0	0.0
22.5°	2.7	0.2	0.0	0.0	0.0
25°	1.8	0.0	0.0	0.0	0.0
27.5°	1.1	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	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.7
52.5°	0.4	0.2	0.4	0.7	0.7
55°	0.4	0.4	0.7	0.9	0.9
57.5°	0.4	0.4	0.7	0.9	0.9
60°	0.4	0.4	0.7	0.9	1.1
62.5°	0.7	0.7	0.7	0.9	0.9
65°	0.7	0.7	0.7	0.9	1.1
67.5°	0.7	0.7	0.7	0.9	1.1
70°	0.7	0.7	0.7	0.9	0.9
72.5°	0.9	0.7	0.7	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.4	0.7	0.7
80°	0.7	0.4	0.4	0.4	0.4
82.5°	0.7	0.4	0.4	0.4	0.4
85°	0.7	0.4	0.2	0.2	0.2
87.5°	0.7	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)