

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: P1337939

Luminaire Tested: P3A05R309740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337939
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 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

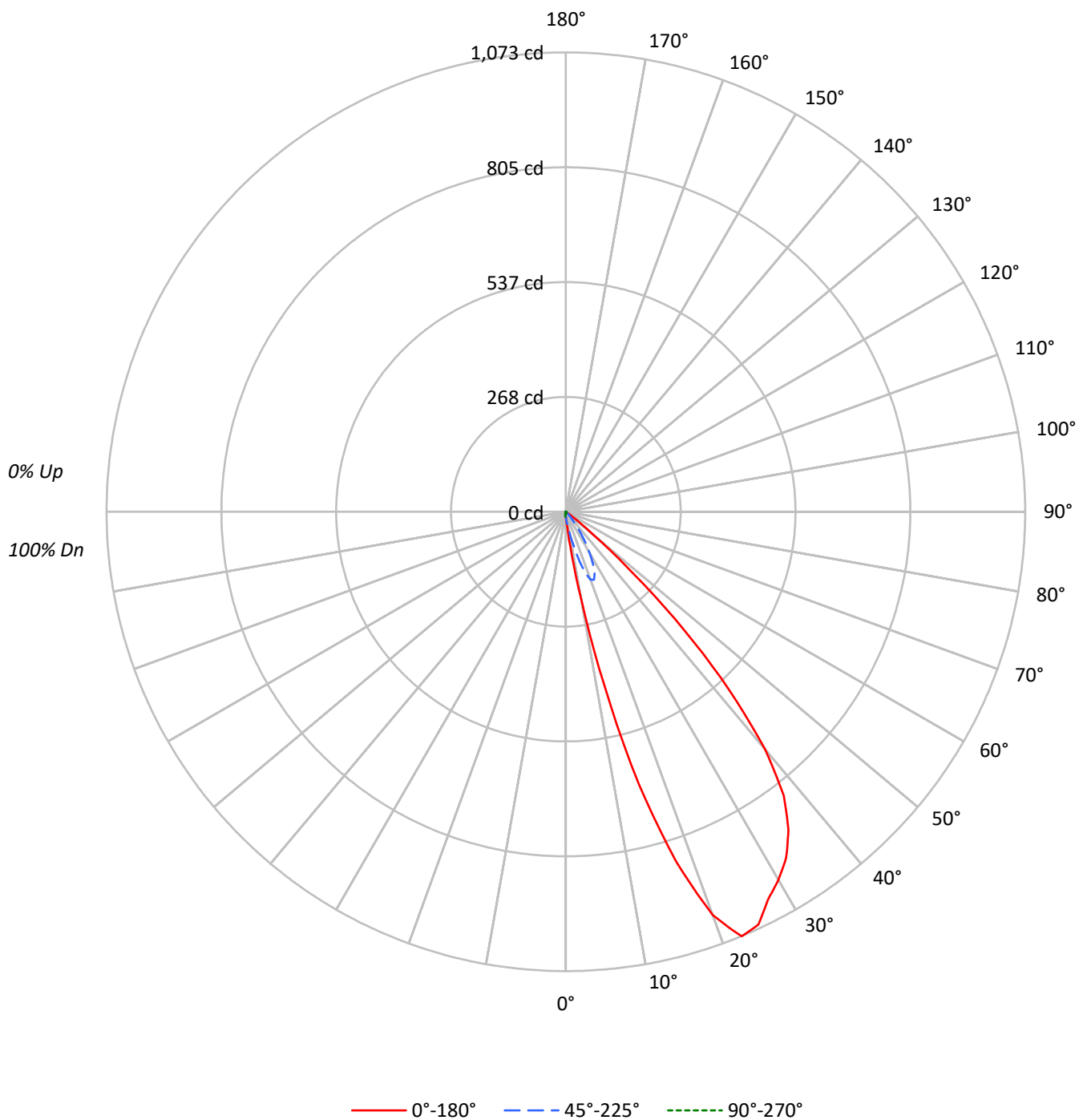
Lumens per Lamp: N/A
Luminaire Lumens: 253.0 lumens
Efficiency: N/A
Efficacy: 35.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1337939

CATALOG NUMBER: P3A05R309740DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1337939

CATALOG NUMBER: P3A05R309740DE010 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	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°	2631	2631	2631	2631	2631
5°	7946	5283	2487	1123	924
10°	45958	11222	1959	512	356
15°	149513	25449	1362	114	45
20°	233960	39390	863	0	0
25°	257410	38494	436	0	0
30°	251406	27751	177	0	0
35°	242663	15794	54	0	0
40°	206931	6670	0	0	0
45°	121439	2512	62	0	62
50°	29509	478	68	68	239
55°	2561	0	191	268	344
60°	88	0	219	307	526
65°	104	104	363	363	623
70°	128	128	449	449	577
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: 121439 cd/sqm

TEST NUMBER: P1337939

CATALOG NUMBER: P3A05R309740DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.9
10°-20°	34.8	13.7
20°-30°	88.4	34.9
30°-40°	88.1	34.8
40°-50°	35.7	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°	125.3	49.5
0°-40°	213.4	84.4
0°-60°	251.6	99.4
0°-90°	253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	36	24	11	5	4	8
15°	659	112	6	0	0	192
25°	1064	159	2	0	0	480
35°	906	59	0	0	0	556
45°	392	8	0	0	0	299
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: P1337939

CATALOG NUMBER: P3A05R309740DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2.5°	19.9	20.1	20.1	19.7	19.4	19.4	18.7	18.5	17.8	17.1	14.8
5°	36.1	35.4	34.4	34.4	32.4	31.2	29.6	27.7	26.4	24.0	17.1
7.5°	81.8	76.3	74.7	72.6	64.7	58.5	51.3	45.1	39.3	34.4	19.0
10°	206.4	195.6	186.6	168.3	145.4	123.5	103.1	79.5	63.3	50.4	20.3
12.5°	415.9	401.3	384.0	350.7	307.9	253.1	204.6	152.8	107.3	74.2	20.8
15°	658.6	633.9	606.9	564.6	494.5	415.9	328.3	245.7	172.2	112.1	20.3
17.5°	856.5	846.8	806.8	749.0	663.3	562.0	454.0	341.2	232.3	146.8	19.0
20°	1002.6	995.9	947.6	886.1	789.5	673.4	536.3	400.9	274.2	168.8	16.9
22.5°	1073.2	1072.0	1037.1	974.2	871.8	740.3	589.3	435.3	287.1	171.8	14.1
25°	1063.9	1068.1	1048.2	1001.5	903.2	767.8	605.0	435.3	277.7	159.1	11.8
27.5°	1021.8	1024.6	1012.1	976.3	884.7	747.9	583.0	407.3	250.1	136.6	9.7
30°	992.9	994.1	978.6	940.2	843.1	702.6	531.3	355.6	208.5	109.6	7.2
32.5°	957.8	957.6	939.5	895.6	788.6	639.0	465.6	293.8	160.2	83.2	4.2
35°	906.5	900.7	876.2	825.6	707.2	553.5	381.7	223.8	115.4	59.0	2.5
37.5°	836.0	820.9	786.3	718.5	593.0	433.9	283.0	157.2	78.8	39.1	1.6
40°	722.9	707.0	659.8	577.5	448.5	312.3	190.7	102.4	49.7	23.3	0.9
42.5°	566.9	556.0	492.4	410.4	296.1	199.3	114.7	60.6	28.0	13.4	0.2
45°	391.6	377.5	327.6	258.0	177.8	110.5	64.3	31.7	16.0	8.1	0.0
47.5°	216.2	198.8	169.9	133.6	89.5	58.0	32.4	17.1	9.0	3.9	0.0
50°	86.5	85.8	68.2	48.5	34.2	26.4	16.2	9.2	4.6	1.4	0.2
52.5°	30.3	30.3	26.1	21.3	16.6	12.0	8.1	4.4	1.6	0.5	0.2
55°	6.7	7.4	6.9	6.5	6.2	5.3	3.5	1.6	0.5	0.0	0.2
57.5°	0.7	0.7	0.7	0.9	1.2	1.2	0.9	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: P1337939

CATALOG NUMBER: P3A05R309740DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.0	12.0	12.0	12.0	12.0
2.5°	12.0	9.5	7.9	6.9	6.7
5°	11.3	7.2	5.1	4.4	4.2
7.5°	10.2	5.3	3.5	2.8	2.5
10°	8.8	3.9	2.3	1.6	1.6
12.5°	7.4	3.0	1.4	0.7	0.5
15°	6.0	1.8	0.5	0.2	0.2
17.5°	4.6	1.2	0.0	0.0	0.0
20°	3.7	0.5	0.0	0.0	0.0
22.5°	2.8	0.2	0.0	0.0	0.0
25°	1.8	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	0.9	0.9
57.5°	0.5	0.5	0.7	0.9	0.9
60°	0.5	0.5	0.7	0.9	1.2
62.5°	0.7	0.7	0.7	0.9	0.9
65°	0.7	0.7	0.7	0.9	1.2
67.5°	0.7	0.7	0.7	0.9	1.2
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	0.5	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)