

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: P1337827

Luminaire Tested: P3A05R309030DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337827
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: P3A05R309030DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

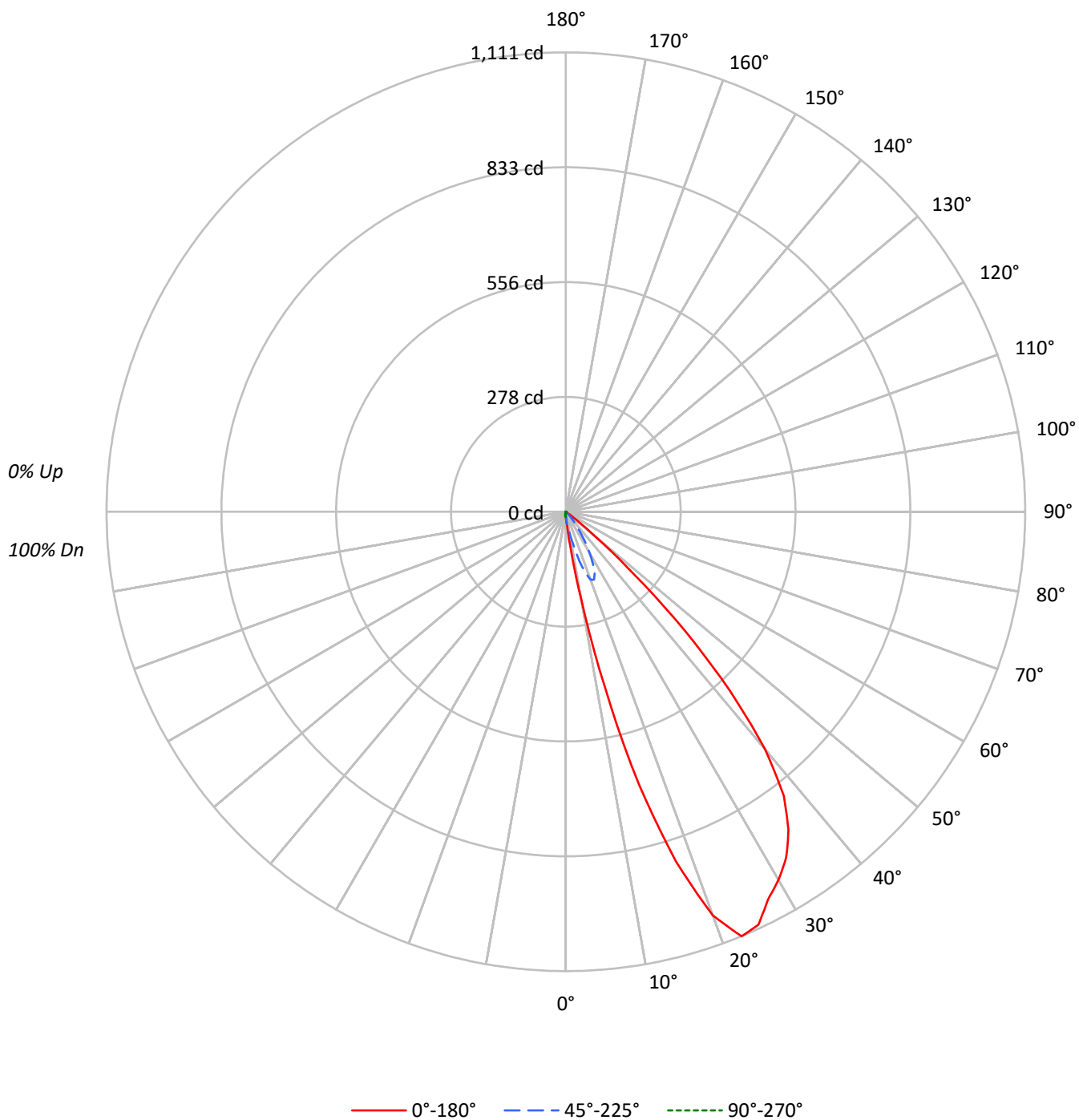
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1337827

CATALOG NUMBER: P3A05R309030DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1337827

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2719	2719	2719	2719	2719
5°	8210	5481	2575	1167	947
10°	47605	11623	2026	534	379
15°	154848	26357	1407	114	45
20°	242291	40790	887	0	0
25°	266580	39849	460	0	0
30°	260369	28739	177	0	0
35°	251283	16329	54	0	0
40°	214287	6927	0	0	0
45°	125780	2605	62	0	62
50°	30532	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: 125780 cd/sqm

TEST NUMBER: P1337827

CATALOG NUMBER: P3A05R309030DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.9
10°-20°	36.0	13.7
20°-30°	91.5	34.9
30°-40°	91.2	34.8
40°-50°	36.9	14.1
50°-60°	2.6	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°	129.8	49.5
0°-40°	221.0	84.4
0°-60°	260.5	99.4
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	37	25	12	5	4	9
15°	682	116	6	0	0	198
25°	1102	165	2	0	0	497
35°	939	61	0	0	0	575
45°	406	8	0	0	0	309
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: P1337827

CATALOG NUMBER: P3A05R309030DE010 E3A301GPH

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°	20.6	20.8	20.8	20.3	20.1	20.1	19.4	19.2	18.4	17.7	15.3
5°	37.3	36.6	35.7	35.7	33.5	32.3	30.6	28.7	27.3	24.9	17.7
7.5°	84.8	79.0	77.3	75.2	67.0	60.6	53.1	46.7	40.7	35.7	19.6
10°	213.8	202.5	193.2	174.3	150.6	127.8	106.8	82.4	65.6	52.2	21.1
12.5°	430.7	415.6	397.7	363.2	318.9	262.2	211.9	158.2	111.1	76.8	21.5
15°	682.1	656.5	628.4	584.6	512.1	430.7	340.0	254.5	178.4	116.1	21.1
17.5°	887.0	877.0	835.5	775.7	686.9	582.0	470.2	353.4	240.6	152.0	19.6
20°	1038.3	1031.4	981.3	917.7	817.6	697.4	555.4	415.1	283.9	174.8	17.5
22.5°	1111.3	1110.1	1074.0	1008.9	902.8	766.6	610.3	450.8	297.3	177.9	14.6
25°	1101.8	1106.1	1085.5	1037.1	935.4	795.1	626.5	450.8	287.5	164.7	12.2
27.5°	1058.2	1061.1	1048.1	1011.0	916.2	774.5	603.8	421.8	259.0	141.5	10.1
30°	1028.3	1029.5	1013.4	973.7	873.1	727.6	550.2	368.2	215.9	113.5	7.4
32.5°	991.9	991.6	973.0	927.5	816.6	661.7	482.2	304.3	165.9	86.2	4.3
35°	938.7	932.7	907.4	854.9	732.3	573.1	395.3	231.7	119.5	61.0	2.6
37.5°	865.7	850.1	814.2	744.1	614.1	449.4	293.0	162.8	81.6	40.5	1.7
40°	748.6	732.1	683.3	598.0	464.5	323.4	197.5	106.1	51.5	24.2	1.0
42.5°	587.0	575.8	509.9	424.9	306.7	206.4	118.7	62.7	29.0	13.9	0.2
45°	405.6	391.0	339.2	267.2	184.1	114.4	66.6	32.8	16.5	8.4	0.0
47.5°	223.8	205.9	176.0	138.4	92.7	60.1	33.5	17.7	9.3	4.1	0.0
50°	89.5	88.8	70.6	50.3	35.4	27.3	16.8	9.6	4.8	1.4	0.2
52.5°	31.4	31.4	27.1	22.0	17.2	12.4	8.4	4.5	1.7	0.5	0.2
55°	6.9	7.7	7.2	6.7	6.5	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: P1337827

CATALOG NUMBER: P3A05R309030DE010 E3A301GPH

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	9.8	8.1	7.2	6.9
5°	11.7	7.4	5.3	4.5	4.3
7.5°	10.5	5.5	3.6	2.9	2.6
10°	9.1	4.1	2.4	1.7	1.7
12.5°	7.7	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)