

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: P1337891

Luminaire Tested: P3A05R309727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337891
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: P3A05R309727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

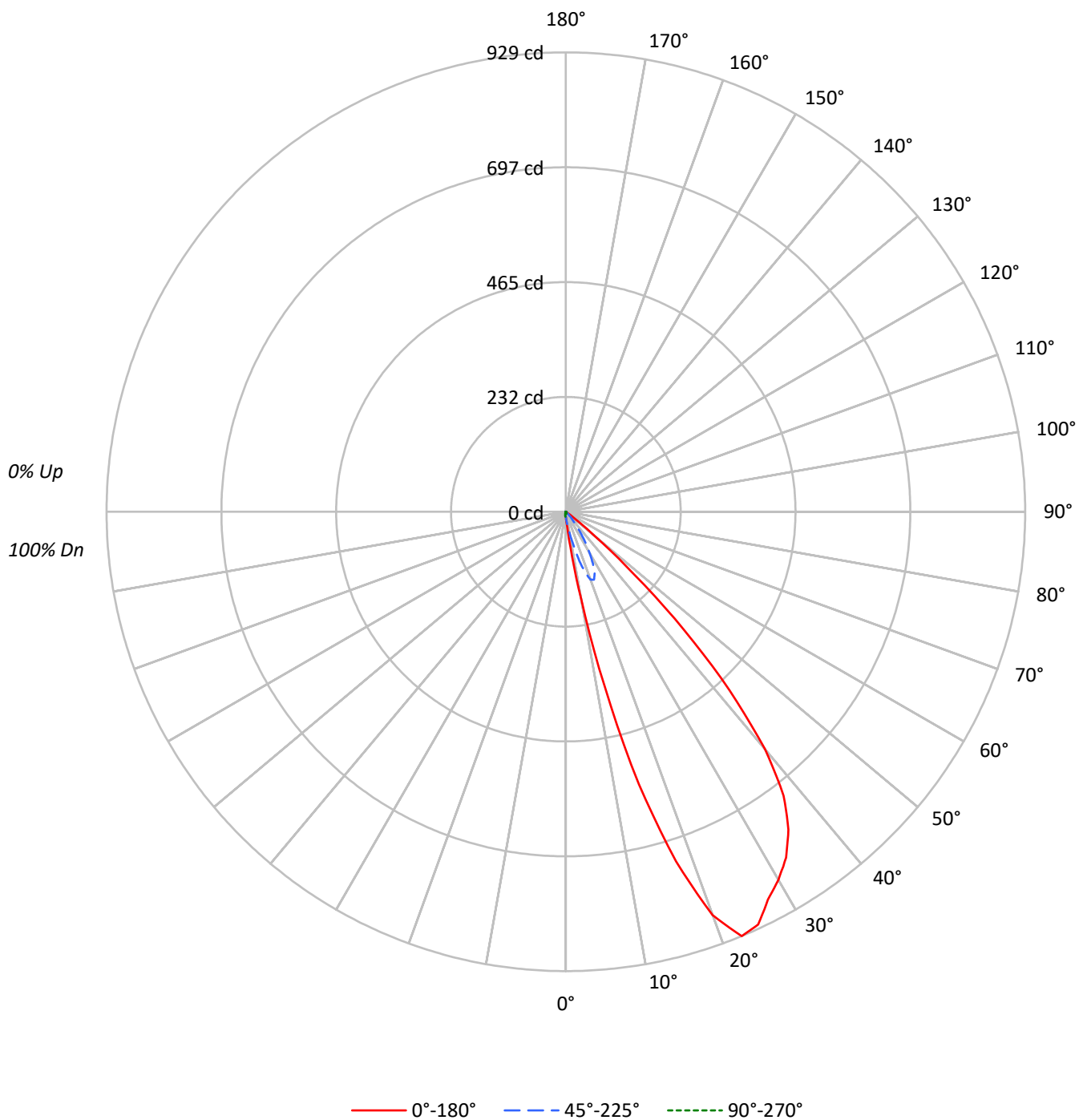
Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	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°	2281	2281	2281	2281	2281
5°	6868	4578	2157	969	792
10°	39790	9708	1692	445	312
15°	129422	22043	1180	91	45
20°	202528	34093	747	0	0
25°	222811	33316	387	0	0
30°	217628	24029	152	0	0
35°	210058	13652	54	0	0
40°	179136	5782	0	0	0
45°	105127	2171	62	0	62
50°	25517	409	68	68	205
55°	2217	0	153	229	306
60°	88	0	175	263	439
65°	104	104	311	311	519
70°	128	128	385	385	513
75°	0	169	508	508	508
80°	0	253	758	505	505
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.9
10°-20°	30.1	13.7
20°-30°	76.5	34.9
30°-40°	76.2	34.8
40°-50°	30.9	14.1
50°-60°	2.1	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°	108.5	49.5
0°-40°	184.7	84.4
0°-60°	217.8	99.4
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	31	21	10	4	4	7
15°	570	97	5	0	0	166
25°	921	138	2	0	0	416
35°	785	51	0	0	0	481
45°	339	7	0	0	0	259
55°	6	0	0	1	1	15
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
2.5°	17.2	17.4	17.4	17.0	16.8	16.8	16.2	16.0	15.4	14.8	12.8
5°	31.2	30.6	29.8	29.8	28.0	27.0	25.6	24.0	22.8	20.8	14.8
7.5°	70.8	66.0	64.6	62.8	56.0	50.6	44.4	39.0	34.0	29.8	16.4
10°	178.7	169.3	161.5	145.7	125.9	106.9	89.3	68.8	54.8	43.6	17.6
12.5°	360.0	347.4	332.4	303.6	266.6	219.1	177.1	132.3	92.9	64.2	18.0
15°	570.1	548.7	525.3	488.7	428.0	360.0	284.2	212.7	149.1	97.1	17.6
17.5°	741.4	733.0	698.4	648.4	574.1	486.5	393.0	295.4	201.1	127.1	16.4
20°	867.9	862.1	820.3	767.0	683.4	582.9	464.3	347.0	237.3	146.1	14.6
22.5°	928.9	927.9	897.7	843.3	754.6	640.8	510.1	376.8	248.5	148.7	12.2
25°	920.9	924.5	907.3	866.9	781.9	664.6	523.7	376.8	240.3	137.7	10.2
27.5°	884.5	886.9	876.1	845.1	765.8	647.4	504.7	352.6	216.5	118.3	8.4
30°	859.5	860.5	847.1	813.9	729.8	608.2	459.9	307.8	180.5	94.9	6.2
32.5°	829.1	828.9	813.3	775.2	682.6	553.1	403.0	254.3	138.7	72.0	3.6
35°	784.7	779.7	758.4	714.6	612.2	479.1	330.4	193.7	99.9	51.0	2.2
37.5°	723.6	710.6	680.6	622.0	513.3	375.6	244.9	136.1	68.2	33.8	1.4
40°	625.8	612.0	571.1	499.9	388.2	270.4	165.1	88.7	43.0	20.2	0.8
42.5°	490.7	481.3	426.2	355.2	256.3	172.5	99.3	52.4	24.2	11.6	0.2
45°	339.0	326.8	283.6	223.3	153.9	95.7	55.6	27.4	13.8	7.0	0.0
47.5°	187.1	172.1	147.1	115.7	77.4	50.2	28.0	14.8	7.8	3.4	0.0
50°	74.8	74.2	59.0	42.0	29.6	22.8	14.0	8.0	4.0	1.2	0.2
52.5°	26.2	26.2	22.6	18.4	14.4	10.4	7.0	3.8	1.4	0.4	0.2
55°	5.8	6.4	6.0	5.6	5.4	4.6	3.0	1.4	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.8	1.0	1.0	0.8	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	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	10.4	10.4	10.4	10.4	10.4
2.5°	10.4	8.2	6.8	6.0	5.8
5°	9.8	6.2	4.4	3.8	3.6
7.5°	8.8	4.6	3.0	2.4	2.2
10°	7.6	3.4	2.0	1.4	1.4
12.5°	6.4	2.6	1.2	0.6	0.4
15°	5.2	1.6	0.4	0.2	0.2
17.5°	4.0	1.0	0.0	0.0	0.0
20°	3.2	0.4	0.0	0.0	0.0
22.5°	2.4	0.2	0.0	0.0	0.0
25°	1.6	0.0	0.0	0.0	0.0
27.5°	1.0	0.0	0.0	0.0	0.0
30°	0.6	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	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.8	0.8
57.5°	0.4	0.4	0.6	0.8	0.8
60°	0.4	0.4	0.6	0.8	1.0
62.5°	0.6	0.6	0.6	0.8	0.8
65°	0.6	0.6	0.6	0.8	1.0
67.5°	0.6	0.6	0.6	0.8	1.0
70°	0.6	0.6	0.6	0.8	0.8
72.5°	0.8	0.6	0.6	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)