

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: P1337843

Luminaire Tested: P3A05R309035DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337843
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: P3A05R309035DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

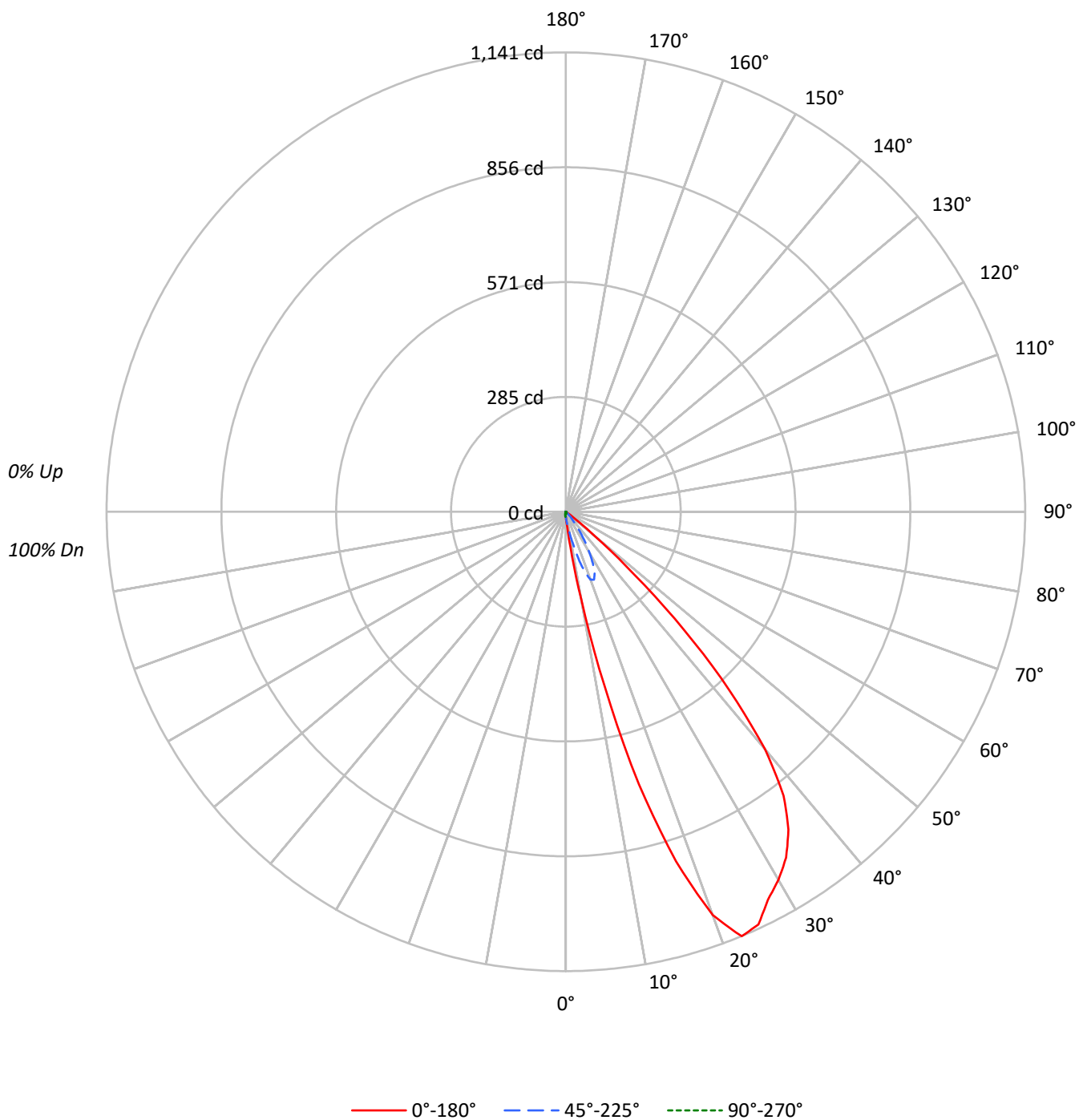
Lumens per Lamp: N/A
Luminaire Lumens: 268.9 lumens
Efficiency: N/A
Efficacy: 37.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	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	53	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°	2807	2807	2807	2807	2807
5°	8431	5635	2641	1189	969
10°	48875	11935	2071	557	379
15°	158979	27060	1453	114	45
20°	248778	41864	910	0	0
25°	273693	40914	484	0	0
30°	267307	29498	177	0	0
35°	258002	16784	54	0	0
40°	220012	7099	0	0	0
45°	129130	2667	62	0	62
50°	31351	512	68	68	239
55°	2714	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: 129130 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.9
10°-20°	37.0	13.7
20°-30°	93.9	34.9
30°-40°	93.6	34.8
40°-50°	37.9	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°	133.3	49.6
0°-40°	226.9	84.4
0°-60°	267.5	99.5
0°-90°	268.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	38	26	12	5	4	9
15°	700	119	6	0	0	204
25°	1131	169	2	0	0	511
35°	964	63	0	0	0	591
45°	416	9	0	0	0	318
55°	7	0	0	1	1	19
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°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	21.1	21.4	21.4	20.9	20.6	20.6	19.9	19.7	18.9	18.2	15.7
5°	38.3	37.6	36.6	36.6	34.4	33.2	31.5	29.5	28.0	25.6	18.2
7.5°	87.0	81.1	79.4	77.2	68.8	62.2	54.6	47.9	41.8	36.6	20.2
10°	219.5	208.0	198.4	178.9	154.6	131.3	109.6	84.6	67.4	53.6	21.6
12.5°	442.2	426.7	408.3	372.9	327.4	269.2	217.5	162.5	114.1	78.9	22.1
15°	700.3	674.0	645.2	600.3	525.8	442.2	349.0	261.3	183.1	119.2	21.6
17.5°	910.7	900.4	857.9	796.4	705.2	597.6	482.8	362.8	247.0	156.1	20.2
20°	1066.1	1058.9	1007.6	942.2	839.4	716.0	570.3	426.2	291.5	179.4	17.9
22.5°	1141.0	1139.8	1102.7	1035.8	926.9	787.1	626.6	462.8	305.3	182.6	15.0
25°	1131.2	1135.6	1114.5	1064.8	960.4	816.3	643.3	462.8	295.2	169.1	12.5
27.5°	1086.5	1089.4	1076.1	1038.0	940.7	795.2	619.9	433.1	266.0	145.3	10.3
30°	1055.7	1057.0	1040.5	999.7	896.4	747.0	564.9	378.0	221.7	116.5	7.6
32.5°	1018.4	1018.1	998.9	952.2	838.4	679.4	495.1	312.4	170.3	88.5	4.4
35°	963.8	957.7	931.6	877.8	751.9	588.5	405.8	237.9	122.7	62.7	2.7
37.5°	888.8	872.9	836.0	764.0	630.5	461.4	300.9	167.1	83.8	41.5	1.7
40°	768.6	751.7	701.5	614.0	476.9	332.1	202.8	108.9	52.8	24.8	1.0
42.5°	602.7	591.2	523.6	436.3	314.9	211.9	121.9	64.4	29.7	14.3	0.2
45°	416.4	401.4	348.3	274.3	189.0	117.5	68.3	33.7	17.0	8.6	0.0
47.5°	229.8	211.4	180.7	142.1	95.1	61.7	34.4	18.2	9.6	4.2	0.0
50°	91.9	91.2	72.5	51.6	36.4	28.0	17.2	9.8	4.9	1.5	0.2
52.5°	32.2	32.2	27.8	22.6	17.7	12.8	8.6	4.7	1.7	0.5	0.2
55°	7.1	7.9	7.4	6.9	6.6	5.7	3.7	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.8	12.8	12.8	12.8	12.8
2.5°	12.8	10.1	8.4	7.4	7.1
5°	12.0	7.6	5.4	4.7	4.4
7.5°	10.8	5.7	3.7	2.9	2.7
10°	9.3	4.2	2.5	1.7	1.7
12.5°	7.9	3.2	1.5	0.7	0.5
15°	6.4	2.0	0.5	0.2	0.2
17.5°	4.9	1.2	0.0	0.0	0.0
20°	3.9	0.5	0.0	0.0	0.0
22.5°	2.9	0.2	0.0	0.0	0.0
25°	2.0	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)