

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: P1341517

Luminaire Tested: P3A09R309830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341517
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: P3A09R309830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

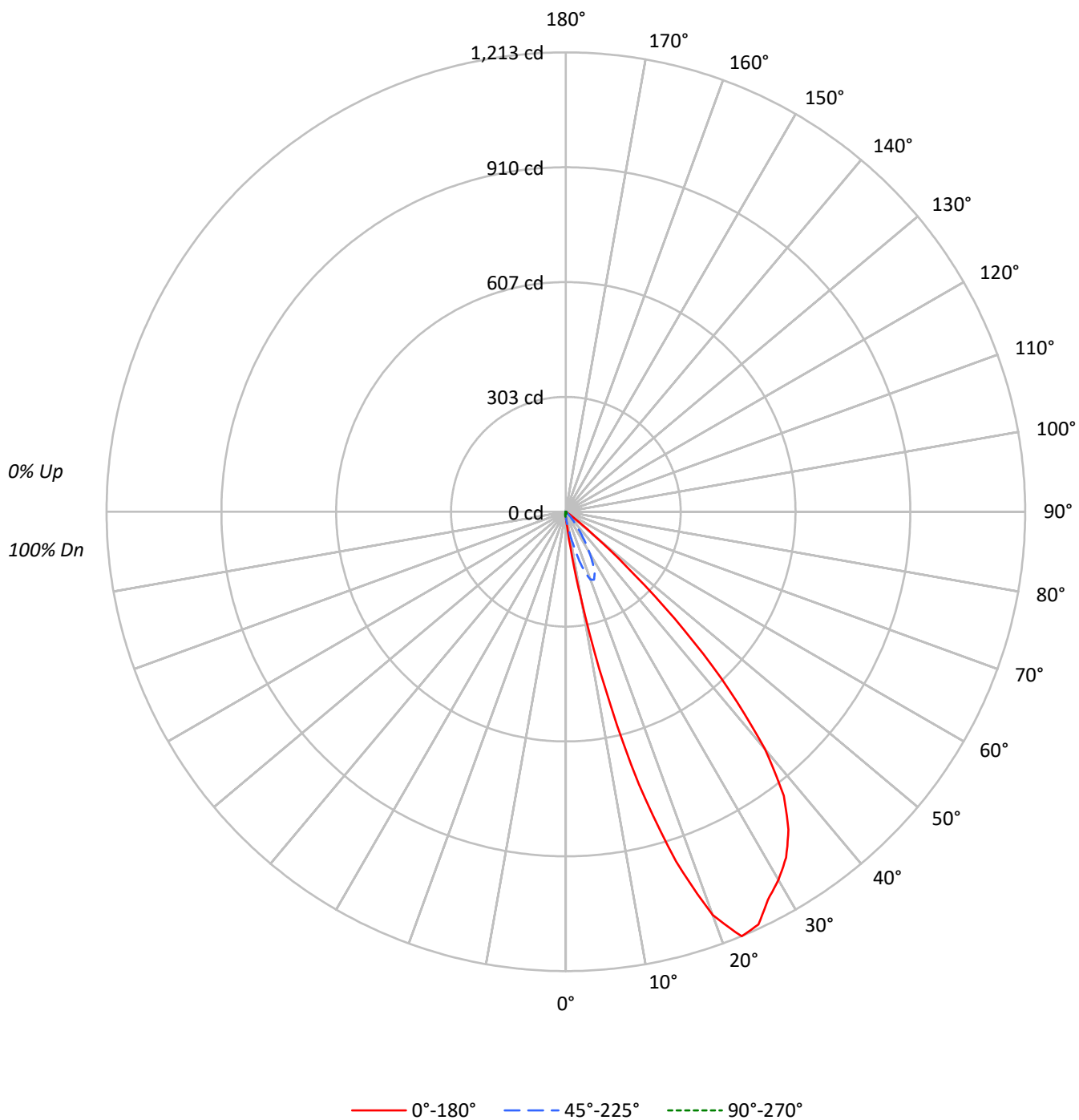
Lumens per Lamp: N/A
Luminaire Lumens: 286.0 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
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	87	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	66	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°	2982	2982	2982	2982	2982
5°	8981	5987	2818	1255	1035
10°	51970	12692	2204	579	401
15°	169036	28763	1544	114	68
20°	264483	44524	980	0	0
25°	290993	43503	508	0	0
30°	284196	31372	203	0	0
35°	274304	17828	80	0	0
40°	233924	7557	0	0	0
45°	137286	2822	93	0	93
50°	33329	546	102	102	273
55°	2906	0	191	306	382
60°	132	0	219	351	570
65°	156	156	415	415	675
70°	192	192	513	513	641
75°	0	254	678	678	678
80°	0	379	1010	631	631
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 137286 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.9
10°-20°	39.3	13.7
20°-30°	99.9	34.9
30°-40°	99.6	34.8
40°-50°	40.3	14.1
50°-60°	2.8	1.0
60°-70°	0.6	0.2
70°-80°	0.6	0.2
80°-90°	0.4	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°	141.7	49.5
0°-40°	241.3	84.3
0°-60°	284.4	99.4
0°-90°	286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	286.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	41	27	13	6	5	9
15°	745	127	7	0	0	217
25°	1203	180	2	0	0	543
35°	1025	67	0	0	0	628
45°	443	9	0	0	0	338
55°	8	0	0	1	1	20
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°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	22.5	22.7	22.7	22.2	22.0	22.0	21.2	20.9	20.1	19.3	16.7
5°	40.8	40.0	38.9	38.9	36.6	35.3	33.5	31.4	29.8	27.2	19.3
7.5°	92.5	86.2	84.4	82.1	73.2	66.1	58.0	51.0	44.4	38.9	21.4
10°	233.4	221.1	210.9	190.3	164.4	139.6	116.6	89.9	71.6	57.0	23.0
12.5°	470.1	453.7	434.1	396.5	348.1	286.2	231.3	172.7	121.3	83.9	23.5
15°	744.6	716.6	686.0	638.2	559.0	470.1	371.1	277.8	194.7	126.7	23.0
17.5°	968.3	957.3	912.1	846.7	749.8	635.3	513.3	385.7	262.6	165.9	21.4
20°	1133.4	1125.8	1071.2	1001.7	892.5	761.3	606.3	453.2	309.9	190.8	19.1
22.5°	1213.1	1211.8	1172.4	1101.3	985.5	836.8	666.2	492.1	324.6	194.2	15.9
25°	1202.7	1207.4	1184.9	1132.1	1021.0	867.9	683.9	492.1	313.9	179.8	13.3
27.5°	1155.1	1158.3	1144.1	1103.6	1000.1	845.4	659.1	460.5	282.8	154.5	11.0
30°	1122.4	1123.8	1106.2	1062.9	953.1	794.2	600.6	401.9	235.7	123.9	8.1
32.5°	1082.7	1082.5	1062.1	1012.4	891.4	722.3	526.3	332.2	181.1	94.1	4.7
35°	1024.7	1018.2	990.5	933.2	799.4	625.6	431.5	253.0	130.4	66.6	2.9
37.5°	945.0	928.0	888.8	812.2	670.3	490.5	319.9	177.7	89.1	44.2	1.8
40°	817.2	799.2	745.9	652.8	507.0	353.1	215.6	115.8	56.2	26.4	1.0
42.5°	640.8	628.5	556.7	463.9	334.8	225.3	129.6	68.5	31.6	15.2	0.3
45°	442.7	426.8	370.3	291.7	201.0	124.9	72.7	35.8	18.0	9.1	0.0
47.5°	244.4	224.8	192.1	151.1	101.1	65.6	36.6	19.3	10.2	4.4	0.0
50°	97.7	97.0	77.1	54.9	38.7	29.8	18.3	10.5	5.2	1.6	0.3
52.5°	34.2	34.2	29.5	24.0	18.8	13.6	9.1	5.0	1.8	0.5	0.3
55°	7.6	8.4	7.8	7.3	7.1	6.0	3.9	1.8	0.5	0.0	0.3
57.5°	0.8	0.8	0.8	1.0	1.3	1.3	1.0	0.5	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.5
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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°	13.6	13.6	13.6	13.6	13.6
2.5°	13.6	10.7	8.9	7.8	7.6
5°	12.8	8.1	5.7	5.0	4.7
7.5°	11.5	6.0	3.9	3.1	2.9
10°	9.9	4.4	2.6	1.8	1.8
12.5°	8.4	3.4	1.6	0.8	0.5
15°	6.8	2.1	0.5	0.3	0.3
17.5°	5.2	1.3	0.0	0.0	0.0
20°	4.2	0.5	0.0	0.0	0.0
22.5°	3.1	0.3	0.0	0.0	0.0
25°	2.1	0.0	0.0	0.0	0.0
27.5°	1.3	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.5	0.8
52.5°	0.5	0.3	0.5	0.8	0.8
55°	0.5	0.5	0.8	1.0	1.0
57.5°	0.5	0.5	0.8	1.0	1.0
60°	0.5	0.5	0.8	1.0	1.3
62.5°	0.8	0.8	0.8	1.0	1.0
65°	0.8	0.8	0.8	1.0	1.3
67.5°	0.8	0.8	0.8	1.0	1.3
70°	0.8	0.8	0.8	1.0	1.0
72.5°	1.0	0.8	0.8	1.0	1.0
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.5	0.8	0.8
80°	0.8	0.5	0.5	0.5	0.5
82.5°	0.8	0.5	0.5	0.5	0.5
85°	0.8	0.5	0.3	0.3	0.3
87.5°	0.8	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)