

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: P1341533

Luminaire Tested: P3A09R309835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341533
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: P3A09R309835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

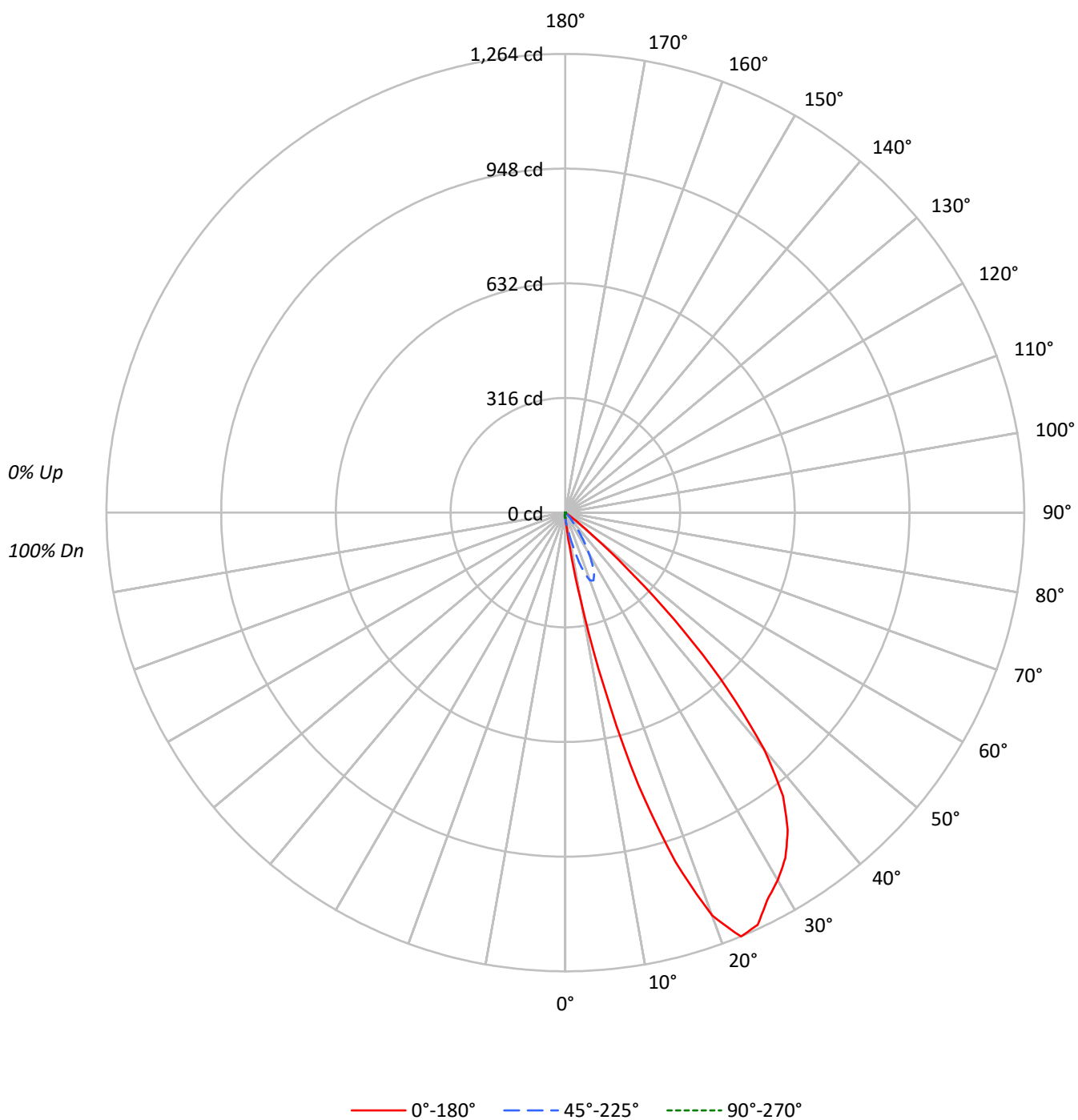
Lumens per Lamp: N/A
Luminaire Lumens: 298.0 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3114	3114	3114	3114	3114
5°	9355	6229	2928	1321	1079
10°	54152	13226	2293	601	423
15°	176119	29989	1612	114	68
20°	275591	46391	1027	0	0
25°	303187	45317	532	0	0
30°	296122	32689	203	0	0
35°	285815	18578	80	0	0
40°	243742	7872	0	0	0
45°	143054	2946	93	0	93
50°	34728	546	102	102	273
55°	3020	0	191	306	421
60°	132	0	219	351	614
65°	156	156	415	415	726
70°	192	192	513	513	705
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: 143054 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.9
10°-20°	41.0	13.7
20°-30°	104.1	34.9
30°-40°	103.7	34.8
40°-50°	42.0	14.1
50°-60°	2.9	1.0
60°-70°	0.7	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°	147.6	49.5
0°-40°	251.4	84.4
0°-60°	296.3	99.4
0°-90°	298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	42	28	13	6	5	10
15°	776	132	7	0	0	226
25°	1253	187	2	0	0	566
35°	1068	69	0	0	0	654
45°	461	10	0	0	0	352
55°	8	0	0	1	1	21
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°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
2.5°	23.4	23.7	23.7	23.1	22.9	22.9	22.1	21.8	21.0	20.2	17.4
5°	42.5	41.7	40.6	40.6	38.1	36.8	34.9	32.7	31.0	28.3	20.2
7.5°	96.4	89.9	88.0	85.5	76.2	68.9	60.5	53.1	46.3	40.6	22.3
10°	243.2	230.4	219.7	198.2	171.3	145.4	121.4	93.7	74.6	59.4	24.0
12.5°	489.9	472.7	452.3	413.1	362.7	298.2	241.0	180.0	126.3	87.4	24.5
15°	775.8	746.7	714.8	665.0	582.5	489.9	386.7	289.5	202.9	132.1	24.0
17.5°	1008.9	997.4	950.3	882.3	781.2	662.0	534.8	401.9	273.7	172.9	22.3
20°	1181.0	1173.1	1116.2	1043.7	929.9	793.2	631.7	472.2	323.0	198.8	19.9
22.5°	1264.0	1262.7	1221.6	1147.5	1026.9	871.9	694.1	512.7	338.2	202.3	16.6
25°	1253.1	1258.0	1234.6	1179.6	1063.9	904.3	712.6	512.7	327.0	187.3	13.9
27.5°	1203.6	1206.9	1192.1	1149.9	1042.1	880.9	686.8	479.8	294.6	160.9	11.4
30°	1169.5	1170.9	1152.7	1107.5	993.1	827.5	625.8	418.8	245.6	129.1	8.4
32.5°	1128.2	1127.9	1106.6	1054.9	928.8	752.6	548.4	346.1	188.7	98.0	4.9
35°	1067.7	1060.9	1032.0	972.4	833.0	651.9	449.6	263.6	135.9	69.4	3.0
37.5°	984.7	967.0	926.1	846.3	698.5	511.1	333.3	185.2	92.9	46.0	1.9
40°	851.5	832.7	777.2	680.2	528.3	367.9	224.7	120.6	58.5	27.5	1.1
42.5°	667.7	654.9	580.0	483.3	348.8	234.7	135.1	71.3	32.9	15.8	0.3
45°	461.3	444.7	385.9	303.9	209.4	130.2	75.7	37.3	18.8	9.5	0.0
47.5°	254.6	234.2	200.1	157.4	105.4	68.3	38.1	20.2	10.6	4.6	0.0
50°	101.8	101.0	80.3	57.2	40.3	31.0	19.1	10.9	5.4	1.6	0.3
52.5°	35.7	35.7	30.8	25.1	19.6	14.2	9.5	5.2	1.9	0.5	0.3
55°	7.9	8.7	8.2	7.6	7.4	6.3	4.1	1.9	0.5	0.0	0.3
57.5°	0.8	0.8	0.8	1.1	1.4	1.4	1.1	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°	14.2	14.2	14.2	14.2	14.2
2.5°	14.2	11.2	9.3	8.2	7.9
5°	13.3	8.4	6.0	5.2	4.9
7.5°	12.0	6.3	4.1	3.3	3.0
10°	10.3	4.6	2.7	1.9	1.9
12.5°	8.7	3.5	1.6	0.8	0.5
15°	7.1	2.2	0.5	0.3	0.3
17.5°	5.4	1.4	0.0	0.0	0.0
20°	4.4	0.5	0.0	0.0	0.0
22.5°	3.3	0.3	0.0	0.0	0.0
25°	2.2	0.0	0.0	0.0	0.0
27.5°	1.4	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	1.1	1.1
57.5°	0.5	0.5	0.8	1.1	1.1
60°	0.5	0.5	0.8	1.1	1.4
62.5°	0.8	0.8	0.8	1.1	1.1
65°	0.8	0.8	0.8	1.1	1.4
67.5°	0.8	0.8	0.8	1.1	1.4
70°	0.8	0.8	0.8	1.1	1.1
72.5°	1.1	0.8	0.8	1.1	1.1
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)