

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: P1345591

Luminaire Tested: P3A13R359835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R359835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

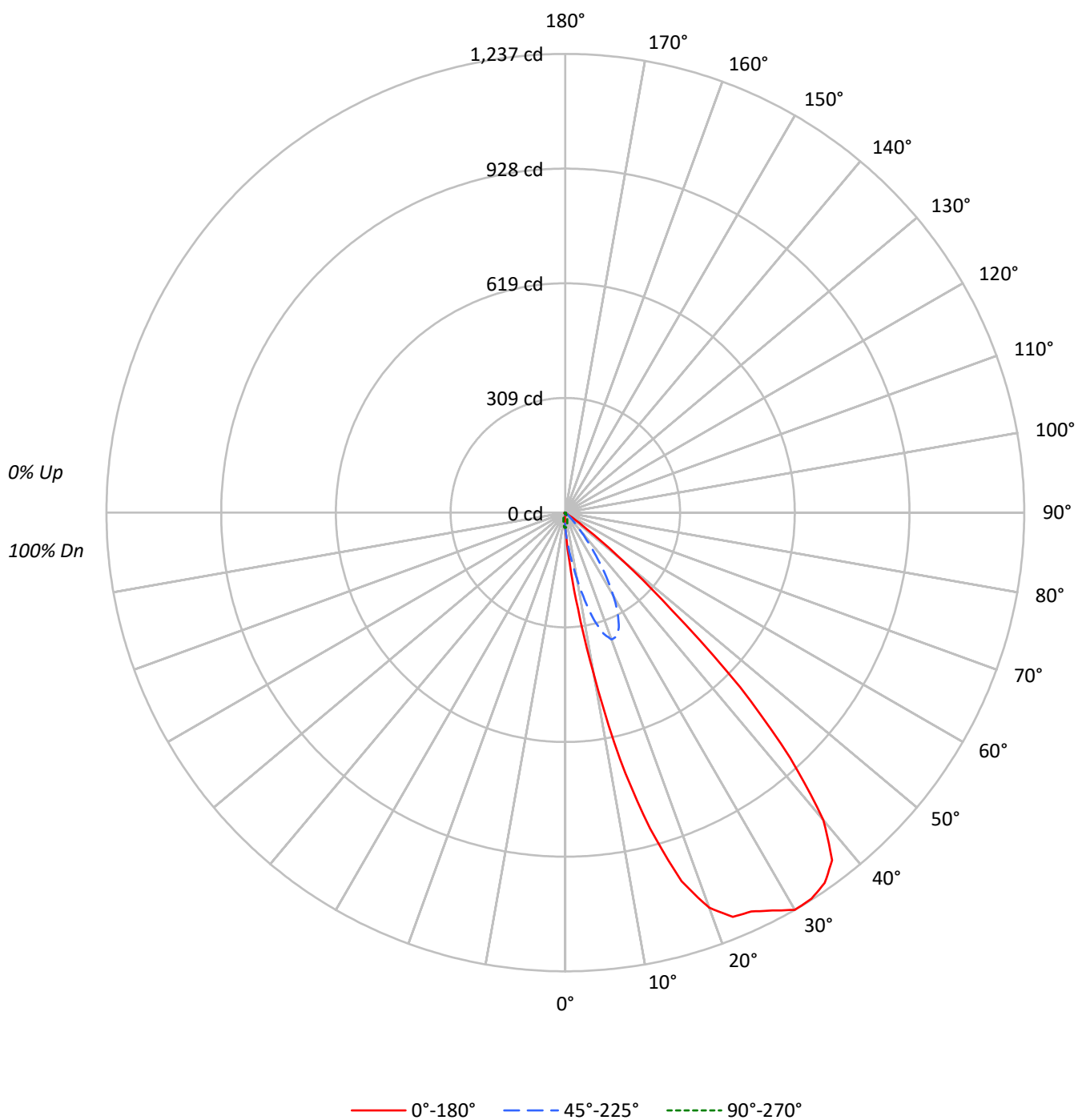
Lumens per Lamp: N/A
Luminaire Lumens: 388.9 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8969	8969	8969	8969	8969
5°	30508	19833	8387	3544	2619
10°	98195	40191	6613	1314	846
15°	200092	68173	4677	477	318
20°	264576	84917	3010	163	163
25°	287097	82553	1694	73	169
30°	313162	65782	709	76	177
35°	326317	40930	187	80	187
40°	309666	17891	86	200	286
45°	206719	7133	93	310	527
50°	69320	1194	239	478	716
55°	3861	115	268	650	918
60°	307	132	439	746	1053
65°	363	156	519	882	1245
70°	192	192	641	1090	1346
75°	254	254	847	1186	1440
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 206719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	1.8
10°-20°	55.9	14.4
20°-30°	117.9	30.3
30°-40°	133.8	34.4
40°-50°	65.8	16.9
50°-60°	5.7	1.5
60°-70°	1.1	0.3
70°-80°	1.0	0.3
80°-90°	0.5	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°	180.9	46.5
0°-40°	314.7	80.9
0°-60°	386.2	99.3
0°-90°	388.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	388.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	139	90	38	16	12	23
15°	881	300	21	2	1	251
25°	1187	341	7	0	1	552
35°	1219	153	1	0	1	751
45°	667	23	0	1	2	493
55°	10	0	1	2	2	40
65°	1	0	1	2	2	1
75°	0	0	1	1	2	0
85°	0	0	1	0	1	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°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	70.9	72.6	71.9	71.6	71.2	69.8	66.7	66.3	63.2	61.1	50.6
5°	138.6	135.8	136.5	132.7	127.8	120.8	116.3	106.5	98.5	90.1	59.0
7.5°	261.2	257.4	250.0	238.8	227.3	212.3	189.6	171.5	150.5	130.6	65.6
10°	441.0	438.9	429.5	400.9	375.7	335.6	297.9	258.1	218.9	180.5	70.2
12.5°	681.3	667.0	649.8	611.8	562.2	511.9	437.5	368.7	306.2	242.0	70.5
15°	881.4	872.3	848.2	798.6	738.9	666.3	577.9	485.4	391.1	300.3	67.0
17.5°	1042.3	1028.4	997.3	948.8	880.0	785.7	682.3	569.5	454.6	341.9	61.1
20°	1133.8	1126.5	1102.7	1054.2	979.1	876.1	758.4	627.1	494.5	363.9	53.4
22.5°	1179.9	1174.7	1157.2	1118.5	1048.3	944.6	809.8	657.2	506.0	361.4	45.4
25°	1186.6	1185.2	1170.1	1140.8	1082.1	979.5	832.1	662.8	496.5	341.2	37.7
27.5°	1209.6	1204.7	1186.9	1157.6	1098.6	985.4	824.4	643.6	466.2	305.5	31.4
30°	1236.8	1233.3	1215.5	1185.2	1115.3	979.8	797.2	601.0	417.6	259.8	23.4
32.5°	1234.7	1233.3	1218.3	1186.2	1103.4	947.0	748.7	537.1	351.6	205.0	14.7
35°	1219.0	1214.1	1195.3	1145.7	1035.7	862.5	656.5	450.5	278.3	152.9	9.4
37.5°	1181.3	1170.8	1139.1	1054.9	914.5	732.3	534.6	347.8	196.9	102.3	5.9
40°	1081.8	1068.5	1004.6	903.0	756.0	576.9	397.7	239.2	129.9	62.5	2.4
42.5°	897.4	870.5	806.6	702.2	564.3	407.9	261.2	155.0	76.5	37.7	0.7
45°	666.6	646.0	579.0	484.3	369.8	261.5	158.2	83.8	42.3	23.0	0.3
47.5°	388.3	375.7	341.2	279.0	204.3	137.2	81.0	45.0	24.8	11.2	0.3
50°	203.2	187.5	161.3	122.2	90.1	63.2	39.5	24.1	12.2	3.5	0.3
52.5°	71.2	70.2	63.9	48.2	39.1	28.3	19.2	10.5	3.5	0.7	0.3
55°	10.1	10.1	9.4	10.5	11.2	10.1	6.6	2.8	0.7	0.3	0.3
57.5°	0.7	0.7	0.7	1.0	1.4	1.4	1.0	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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°	40.9	40.9	40.9	40.9	40.9
2.5°	40.5	32.5	25.8	22.7	21.6
5°	38.1	24.4	16.1	12.6	11.9
7.5°	33.9	17.5	9.8	7.0	6.6
10°	29.7	12.6	5.9	4.2	3.8
12.5°	24.8	8.7	3.8	2.4	2.1
15°	20.6	5.9	2.1	1.7	1.4
17.5°	16.4	3.8	1.4	1.0	1.4
20°	12.9	2.4	0.7	0.7	0.7
22.5°	9.8	1.4	0.7	0.7	0.7
25°	7.0	0.7	0.3	0.3	0.7
27.5°	4.9	0.3	0.3	0.3	0.7
30°	2.8	0.3	0.3	0.3	0.7
32.5°	1.4	0.3	0.3	0.7	0.7
35°	0.7	0.3	0.3	0.7	0.7
37.5°	0.3	0.3	0.3	0.7	1.0
40°	0.3	0.3	0.7	1.0	1.0
42.5°	0.3	0.3	0.7	1.0	1.4
45°	0.3	0.7	1.0	1.4	1.7
47.5°	0.7	0.7	1.4	1.7	2.1
50°	0.7	1.0	1.4	2.1	2.1
52.5°	0.7	1.0	1.7	2.1	2.4
55°	0.7	1.4	1.7	2.4	2.4
57.5°	1.0	1.4	1.7	2.4	2.4
60°	1.0	1.4	1.7	2.4	2.4
62.5°	1.0	1.4	1.7	2.4	2.4
65°	1.0	1.4	1.7	2.4	2.4
67.5°	1.0	1.4	1.7	2.1	2.4
70°	1.0	1.4	1.7	2.1	2.1
72.5°	1.4	1.4	1.7	2.1	2.1
75°	1.0	1.4	1.4	1.7	1.7
77.5°	1.0	1.0	1.0	1.4	1.4
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.7	0.7	1.0	1.0
85°	1.0	0.7	0.3	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)