

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: P1338323

Luminaire Tested: P3A05R359030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338323
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: P3A05R359030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

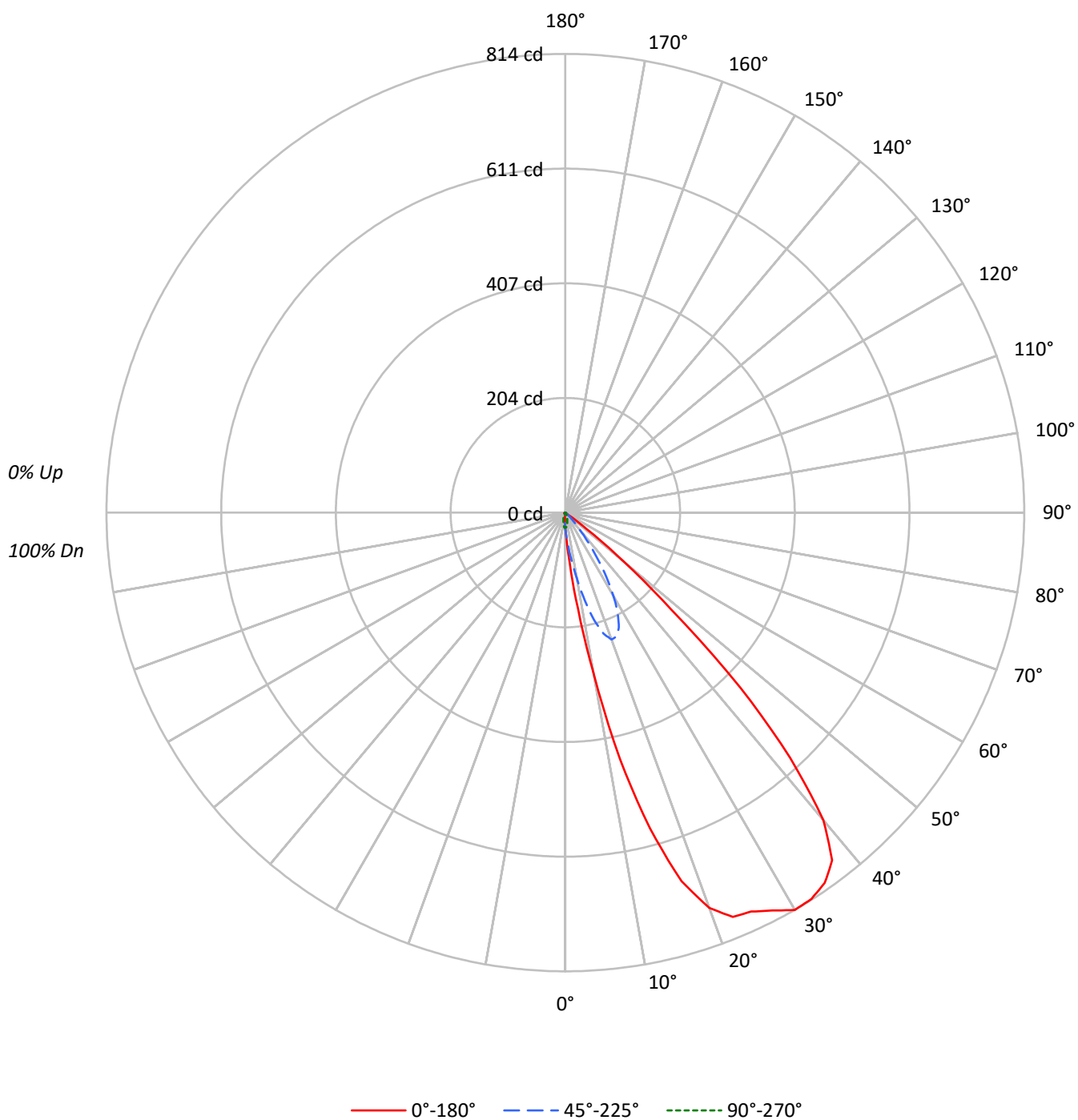
Lumens per Lamp: N/A
Luminaire Lumens: 256.0 lumens
Efficiency: N/A
Efficacy: 23.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	83	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°	5899	5899	5899	5899	5899
5°	20075	13053	5503	2333	1717
10°	64617	26452	4342	868	557
15°	131669	44858	3087	318	204
20°	174128	55888	1984	117	117
25°	188938	54318	1113	48	121
30°	206108	43298	456	51	127
35°	214743	26957	134	54	134
40°	203782	11765	57	143	200
45°	136045	4714	62	217	341
50°	45610	785	171	307	478
55°	2561	76	191	421	612
60°	219	88	307	482	702
65°	259	104	363	571	830
70°	128	128	449	705	898
75°	169	169	593	763	932
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 136045 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	1.8
10°-20°	36.8	14.4
20°-30°	77.6	30.3
30°-40°	88.0	34.4
40°-50°	43.3	16.9
50°-60°	3.8	1.5
60°-70°	0.8	0.3
70°-80°	0.7	0.3
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°	119.0	46.5
0°-40°	207.1	80.9
0°-60°	254.2	99.3
0°-90°	256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	256.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	91	59	25	11	8	15
15°	580	198	14	1	1	165
25°	781	224	5	0	0	363
35°	802	101	0	0	0	494
45°	439	15	0	1	1	324
55°	7	0	0	1	2	26
65°	0	0	1	1	2	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°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
2.5°	46.6	47.8	47.3	47.1	46.9	46.0	43.9	43.7	41.6	40.2	33.3
5°	91.2	89.4	89.9	87.3	84.1	79.5	76.5	70.1	64.8	59.3	38.8
7.5°	171.9	169.4	164.5	157.2	149.6	139.7	124.8	112.8	99.0	85.9	43.2
10°	290.2	288.9	282.7	263.8	247.3	220.8	196.0	169.8	144.1	118.8	46.2
12.5°	448.3	438.9	427.7	402.6	370.0	336.9	287.9	242.7	201.5	159.3	46.4
15°	580.0	574.0	558.2	525.6	486.3	438.5	380.3	319.4	257.4	197.6	44.1
17.5°	686.0	676.8	656.3	624.4	579.1	517.1	449.0	374.8	299.2	225.0	40.2
20°	746.2	741.3	725.7	693.8	644.4	576.6	499.1	412.7	325.4	239.5	35.2
22.5°	776.5	773.1	761.6	736.1	689.9	621.6	532.9	432.5	333.0	237.8	29.9
25°	780.9	779.9	770.1	750.8	712.2	644.6	547.6	436.2	326.8	224.5	24.8
27.5°	796.0	792.8	781.1	761.8	723.0	648.5	542.6	423.5	306.8	201.1	20.7
30°	814.0	811.7	799.9	779.9	734.0	644.8	524.6	395.5	274.8	171.0	15.4
32.5°	812.6	811.7	801.8	780.6	726.2	623.2	492.7	353.4	231.4	134.9	9.7
35°	802.2	799.0	786.6	754.0	681.6	567.6	432.0	296.4	183.2	100.7	6.2
37.5°	777.4	770.5	749.6	694.2	601.9	481.9	351.8	228.9	129.6	67.3	3.9
40°	711.9	703.2	661.1	594.3	497.5	379.6	261.7	157.4	85.5	41.1	1.6
42.5°	590.6	572.9	530.8	462.1	371.4	268.4	171.9	102.0	50.3	24.8	0.5
45°	438.7	425.1	381.0	318.7	243.4	172.1	104.1	55.2	27.8	15.2	0.2
47.5°	255.5	247.3	224.5	183.6	134.4	90.3	53.3	29.6	16.3	7.4	0.2
50°	133.7	123.4	106.2	80.4	59.3	41.6	26.0	15.9	8.0	2.3	0.2
52.5°	46.9	46.2	42.1	31.7	25.7	18.6	12.6	6.9	2.3	0.5	0.2
55°	6.7	6.7	6.2	6.9	7.4	6.7	4.4	1.8	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	0.9	0.9	0.7	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.2	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°	26.9	26.9	26.9	26.9	26.9
2.5°	26.7	21.4	17.0	14.9	14.2
5°	25.0	16.1	10.6	8.3	7.8
7.5°	22.3	11.5	6.4	4.6	4.4
10°	19.5	8.3	3.9	2.8	2.5
12.5°	16.3	5.7	2.5	1.6	1.4
15°	13.6	3.9	1.4	1.1	0.9
17.5°	10.8	2.5	0.9	0.7	0.9
20°	8.5	1.6	0.5	0.5	0.5
22.5°	6.4	0.9	0.5	0.5	0.5
25°	4.6	0.5	0.2	0.2	0.5
27.5°	3.2	0.2	0.2	0.2	0.5
30°	1.8	0.2	0.2	0.2	0.5
32.5°	0.9	0.2	0.2	0.5	0.5
35°	0.5	0.2	0.2	0.5	0.5
37.5°	0.2	0.2	0.2	0.5	0.7
40°	0.2	0.2	0.5	0.7	0.7
42.5°	0.2	0.2	0.5	0.7	0.9
45°	0.2	0.5	0.7	0.9	1.1
47.5°	0.5	0.5	0.9	1.1	1.4
50°	0.5	0.7	0.9	1.4	1.4
52.5°	0.5	0.7	1.1	1.4	1.6
55°	0.5	0.9	1.1	1.6	1.6
57.5°	0.7	0.9	1.1	1.6	1.6
60°	0.7	0.9	1.1	1.6	1.6
62.5°	0.7	0.9	1.1	1.6	1.6
65°	0.7	0.9	1.1	1.6	1.6
67.5°	0.7	0.9	1.1	1.4	1.6
70°	0.7	0.9	1.1	1.4	1.4
72.5°	0.9	0.9	1.1	1.4	1.4
75°	0.7	0.9	0.9	1.1	1.1
77.5°	0.7	0.7	0.7	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.5	0.5	0.7	0.7
85°	0.7	0.5	0.2	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)