

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: P1338452

Luminaire Tested: P3A05R359740DE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338452
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: P3A05R359740DE010 E3A301H
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

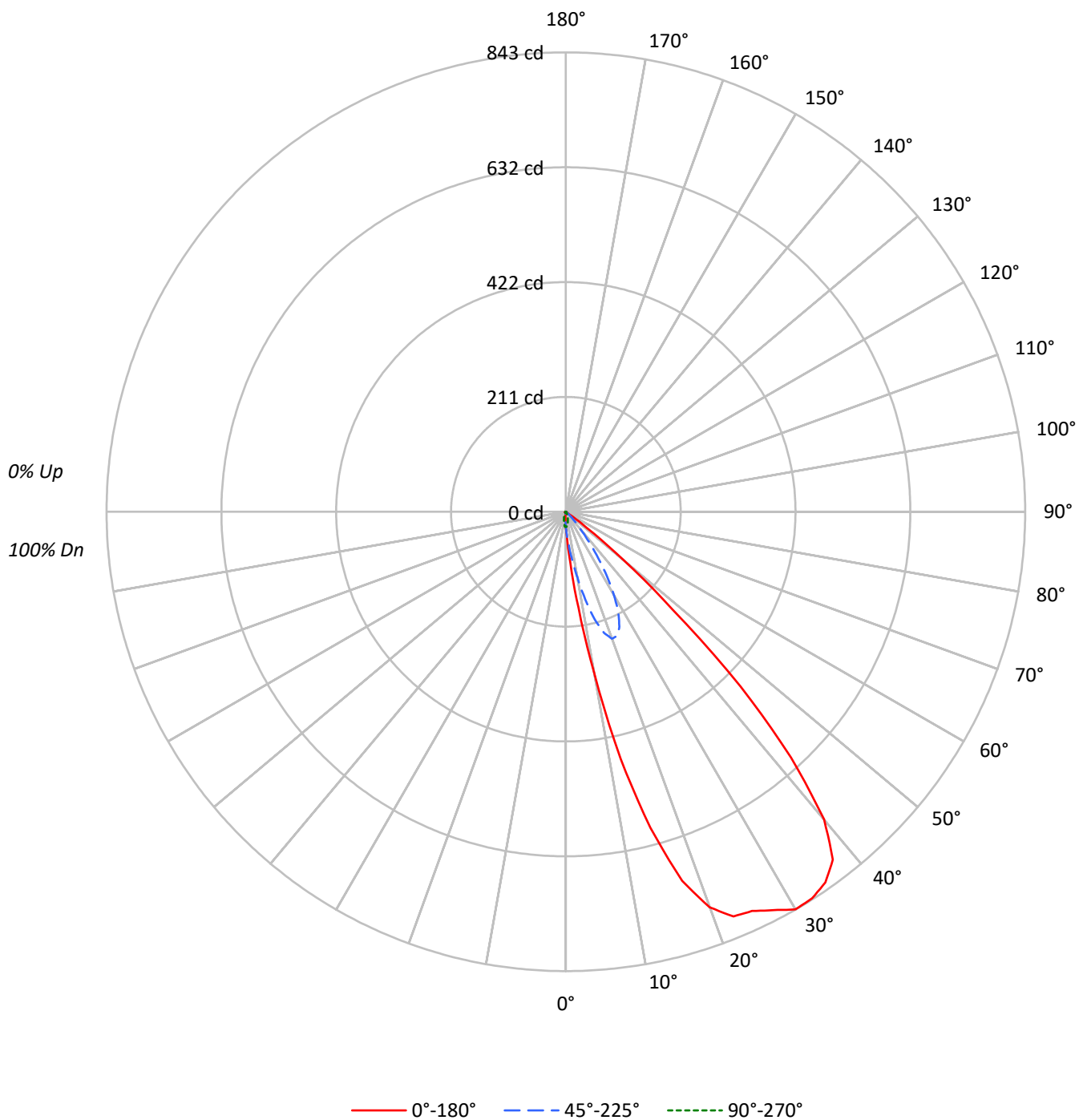
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	6096	6096	6096	6096	6096
5°	20779	13515	5701	2399	1783
10°	66888	27388	4498	891	579
15°	136300	46447	3178	318	227
20°	180242	57848	2054	117	117
25°	195568	56229	1161	48	121
30°	213349	44817	481	51	127
35°	222292	27894	134	54	134
40°	210967	12194	57	143	200
45°	140821	4869	62	217	372
50°	47214	819	171	341	478
55°	2638	76	191	459	650
60°	219	88	307	526	746
65°	259	104	363	623	882
70°	128	128	449	769	898
75°	169	169	593	847	1017
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 140821 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	1.8
10°-20°	38.1	14.4
20°-30°	80.3	30.3
30°-40°	91.1	34.4
40°-50°	44.9	16.9
50°-60°	3.9	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°	123.2	46.5
0°-40°	214.4	80.9
0°-60°	263.1	99.3
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	94	61	26	11	8	16
15°	600	205	14	1	1	171
25°	808	232	5	0	0	376
35°	830	104	0	0	0	512
45°	454	16	0	1	1	336
55°	7	0	0	1	2	27
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°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
2.5°	48.3	49.5	49.0	48.8	48.5	47.6	45.4	45.2	43.1	41.6	34.5
5°	94.4	92.5	93.0	90.4	87.1	82.3	79.2	72.6	67.1	61.4	40.2
7.5°	177.9	175.3	170.3	162.7	154.9	144.6	129.2	116.8	102.5	89.0	44.7
10°	300.4	299.0	292.6	273.1	256.0	228.6	202.9	175.8	149.2	123.0	47.8
12.5°	464.1	454.4	442.7	416.8	383.0	348.7	298.1	251.2	208.6	164.9	48.1
15°	600.4	594.2	577.8	544.0	503.4	453.9	393.7	330.7	266.4	204.6	45.7
17.5°	710.1	700.6	679.4	646.3	599.5	535.2	464.8	388.0	309.7	232.9	41.6
20°	772.4	767.4	751.2	718.2	667.0	596.8	516.7	427.2	336.8	247.9	36.4
22.5°	803.8	800.2	788.3	761.9	714.1	643.5	551.6	447.7	344.7	246.2	30.9
25°	808.3	807.4	797.1	777.2	737.2	667.3	566.9	451.5	338.3	232.4	25.7
27.5°	824.0	820.7	808.6	788.6	748.4	671.3	561.6	438.4	317.6	208.1	21.4
30°	842.6	840.2	828.1	807.4	759.8	667.5	543.1	409.4	284.5	177.0	15.9
32.5°	841.1	840.2	830.0	808.1	751.7	645.1	510.0	365.9	239.5	139.6	10.0
35°	830.4	827.1	814.3	780.5	705.6	587.6	447.2	306.9	189.6	104.2	6.4
37.5°	804.8	797.6	776.0	718.6	623.0	498.8	364.2	236.9	134.2	69.7	4.0
40°	737.0	727.9	684.4	615.2	515.0	393.0	270.9	162.9	88.5	42.6	1.7
42.5°	611.4	593.0	549.5	478.4	384.4	277.8	177.9	105.6	52.1	25.7	0.5
45°	454.1	440.1	394.4	329.9	251.9	178.2	107.8	57.1	28.8	15.7	0.2
47.5°	264.5	256.0	232.4	190.1	139.2	93.5	55.2	30.7	16.9	7.6	0.2
50°	138.4	127.7	109.9	83.3	61.4	43.1	26.9	16.4	8.3	2.4	0.2
52.5°	48.5	47.8	43.5	32.8	26.6	19.3	13.1	7.1	2.4	0.5	0.2
55°	6.9	6.9	6.4	7.1	7.6	6.9	4.5	1.9	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	1.0	1.0	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°	27.8	27.8	27.8	27.8	27.8
2.5°	27.6	22.1	17.6	15.5	14.7
5°	25.9	16.7	10.9	8.6	8.1
7.5°	23.1	11.9	6.7	4.8	4.5
10°	20.2	8.6	4.0	2.9	2.6
12.5°	16.9	5.9	2.6	1.7	1.4
15°	14.0	4.0	1.4	1.2	1.0
17.5°	11.2	2.6	1.0	0.7	1.0
20°	8.8	1.7	0.5	0.5	0.5
22.5°	6.7	1.0	0.5	0.5	0.5
25°	4.8	0.5	0.2	0.2	0.5
27.5°	3.3	0.2	0.2	0.2	0.5
30°	1.9	0.2	0.2	0.2	0.5
32.5°	1.0	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	1.0
45°	0.2	0.5	0.7	1.0	1.2
47.5°	0.5	0.5	1.0	1.2	1.4
50°	0.5	0.7	1.0	1.4	1.4
52.5°	0.5	0.7	1.2	1.4	1.7
55°	0.5	1.0	1.2	1.7	1.7
57.5°	0.7	1.0	1.2	1.7	1.7
60°	0.7	1.0	1.2	1.7	1.7
62.5°	0.7	1.0	1.2	1.7	1.7
65°	0.7	1.0	1.2	1.7	1.7
67.5°	0.7	1.0	1.2	1.4	1.7
70°	0.7	1.0	1.2	1.4	1.4
72.5°	1.0	1.0	1.2	1.4	1.4
75°	0.7	1.0	1.0	1.2	1.2
77.5°	0.7	0.7	0.7	1.0	1.0
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)