

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: P1339027

Luminaire Tested: P3A05R409840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

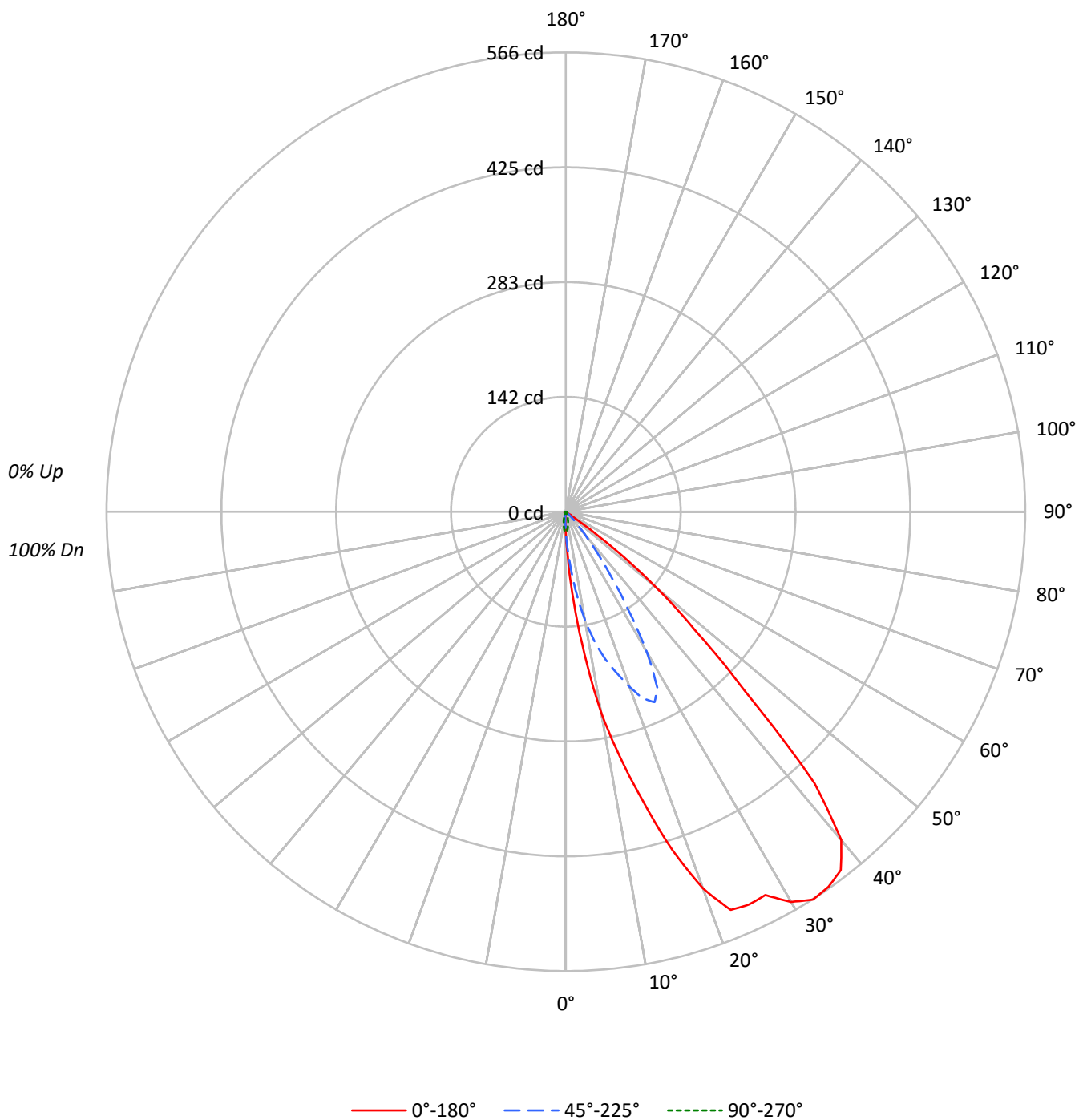
Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 29.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5416	5416	5416	5416	5416
5°	24455	15584	4865	1871	1365
10°	56089	30126	3429	668	512
15°	84178	42747	2134	363	318
20°	115253	53578	1237	210	257
25°	129201	62617	629	169	218
30°	140528	50539	279	127	228
35°	151032	25859	107	187	294
40°	151083	10305	57	200	344
45°	96475	3442	124	341	496
50°	50079	409	171	409	614
55°	4320	76	191	535	726
60°	175	88	219	614	833
65°	208	104	363	623	934
70°	128	128	449	705	898
75°	169	169	424	763	1017
80°	253	253	631	631	884
85°	0	503	1258	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96475 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	2.3
10°-20°	28.3	13.5
20°-30°	62.0	29.6
30°-40°	70.6	33.8
40°-50°	37.2	17.8
50°-60°	4.4	2.1
60°-70°	0.8	0.4
70°-80°	0.7	0.3
80°-90°	0.3	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°	95.1	45.5
0°-40°	165.6	79.2
0°-60°	207.3	99.2
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	111	71	22	8	6	15
15°	371	188	9	2	1	109
25°	534	259	3	1	1	246
35°	564	97	0	1	1	350
45°	311	11	0	1	2	251
55°	11	0	0	1	2	35
65°	0	0	1	1	2	0
75°	0	0	0	1	1	0
85°	0	0	0	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°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
2.5°	55.1	55.1	54.9	53.3	53.2	53.0	50.2	49.5	46.1	43.8	33.4
5°	111.1	108.6	108.5	105.6	100.9	94.5	90.4	83.9	77.5	70.8	41.2
7.5°	177.0	179.1	173.3	170.3	159.7	152.1	140.4	130.2	115.9	102.5	47.5
10°	251.9	248.2	242.4	236.5	225.0	211.4	194.1	175.9	155.3	135.3	51.0
12.5°	310.4	305.6	302.1	294.1	282.8	265.3	244.7	220.3	192.9	164.1	50.9
15°	370.8	366.0	358.1	351.0	334.2	314.6	292.2	260.0	226.5	188.3	47.2
17.5°	437.2	431.0	422.2	411.4	395.2	373.4	345.0	305.8	258.3	208.1	40.5
20°	493.9	490.2	481.4	468.6	452.7	431.5	398.7	355.2	297.3	229.6	32.1
22.5°	531.0	527.6	521.6	510.5	498.5	475.9	445.8	398.2	330.0	249.2	24.4
25°	534.0	532.6	531.0	527.3	520.0	504.0	474.6	423.2	350.3	258.8	18.0
27.5°	532.4	531.9	531.5	529.6	524.8	508.9	478.9	426.9	347.6	243.9	13.2
30°	555.0	553.4	552.5	546.2	533.6	509.1	469.9	407.0	308.9	199.6	9.5
32.5°	566.5	566.1	565.3	559.1	541.4	509.4	454.7	358.8	245.0	144.1	6.5
35°	564.2	562.4	559.3	547.8	523.2	483.1	405.6	286.5	176.8	96.6	4.2
37.5°	556.4	552.4	546.2	525.5	492.8	438.1	328.9	210.9	120.3	62.5	2.5
40°	527.8	522.3	512.6	487.4	444.4	361.1	243.2	142.6	79.0	36.0	0.7
42.5°	453.8	446.7	439.7	411.4	362.3	269.2	160.0	88.1	45.0	19.8	0.2
45°	311.1	302.2	292.5	272.0	232.6	163.0	95.2	49.6	23.3	11.1	0.2
47.5°	216.0	212.0	195.0	168.9	129.5	86.4	49.3	24.4	12.4	5.1	0.2
50°	146.8	142.2	122.4	97.2	68.9	41.3	22.6	12.2	5.5	1.2	0.2
52.5°	77.0	71.4	58.8	44.9	27.9	17.3	9.9	5.3	1.6	0.2	0.2
55°	11.3	10.4	8.5	6.9	6.2	4.8	2.8	1.2	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.5
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	24.7	24.7	24.7	24.7	24.7
2.5°	24.4	18.0	14.0	12.0	11.8
5°	22.1	12.9	8.5	6.5	6.2
7.5°	18.7	9.0	4.9	3.5	3.4
10°	15.4	6.2	3.0	2.5	2.3
12.5°	12.2	4.1	2.1	1.9	1.8
15°	9.4	2.6	1.6	1.4	1.4
17.5°	7.1	1.8	1.2	1.2	1.2
20°	5.3	1.2	0.9	1.1	1.1
22.5°	3.7	0.9	0.7	0.9	0.9
25°	2.6	0.7	0.7	0.9	0.9
27.5°	1.8	0.5	0.5	0.7	0.9
30°	1.1	0.4	0.5	0.7	0.9
32.5°	0.5	0.4	0.5	0.9	0.9
35°	0.4	0.5	0.7	0.9	1.1
37.5°	0.2	0.5	0.7	1.1	1.1
40°	0.2	0.5	0.7	1.1	1.2
42.5°	0.4	0.7	0.9	1.2	1.4
45°	0.4	0.7	1.1	1.4	1.6
47.5°	0.4	0.7	1.2	1.6	1.6
50°	0.5	0.9	1.2	1.6	1.8
52.5°	0.5	0.9	1.2	1.8	1.9
55°	0.5	0.9	1.4	1.8	1.9
57.5°	0.5	1.1	1.4	1.8	1.9
60°	0.5	0.9	1.4	1.8	1.9
62.5°	0.7	0.9	1.2	1.8	1.8
65°	0.7	0.9	1.2	1.8	1.8
67.5°	0.7	0.9	1.2	1.6	1.6
70°	0.7	0.9	1.1	1.4	1.4
72.5°	0.7	0.9	1.1	1.2	1.4
75°	0.5	0.7	0.9	1.1	1.2
77.5°	0.5	0.7	0.7	1.1	1.1
80°	0.5	0.5	0.5	0.7	0.7
82.5°	0.5	0.5	0.4	0.5	0.5
85°	0.5	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)