

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: P1338451

Luminaire Tested: P3A05R359740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338451
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 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

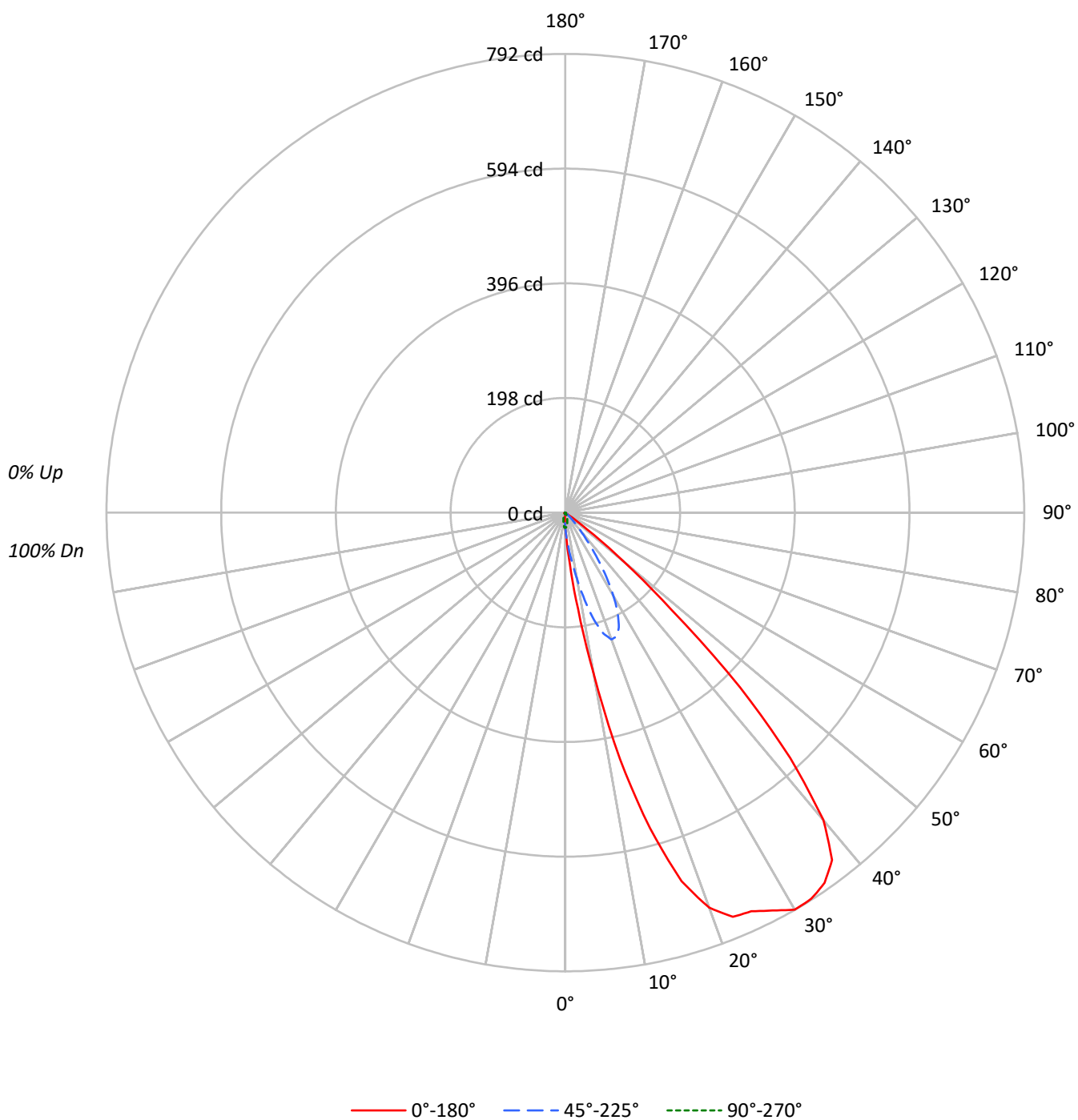
Lumens per Lamp: N/A
Luminaire Lumens: 248.9 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1338451

CATALOG NUMBER: P3A05R359740DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1338451

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5745	5745	5745	5745	5745
5°	19524	12701	5371	2267	1673
10°	62858	25740	4231	846	557
15°	128082	43632	2997	295	204
20°	169368	54348	1937	93	93
25°	183761	52842	1089	48	97
30°	200461	42108	456	51	101
35°	208880	26207	107	54	107
40°	198229	11450	57	115	200
45°	132324	4590	62	217	341
50°	44382	751	136	307	443
55°	2485	76	153	421	612
60°	175	88	307	482	702
65°	208	104	363	571	830
70°	128	128	449	705	833
75°	169	169	593	763	932
80°	0	253	884	884	884
85°	0	503	1761	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132324 cd/sqm

TEST NUMBER: P1338451

CATALOG NUMBER: P3A05R359740DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	1.8
10°-20°	35.8	14.4
20°-30°	75.5	30.3
30°-40°	85.6	34.4
40°-50°	42.1	16.9
50°-60°	3.6	1.5
60°-70°	0.7	0.3
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°	115.8	46.5
0°-40°	201.4	80.9
0°-60°	247.2	99.3
0°-90°	248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	89	58	24	10	8	15
15°	564	192	13	1	1	160
25°	760	218	4	0	0	353
35°	780	98	0	0	0	481
45°	427	15	0	1	1	315
55°	6	0	0	1	2	25
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	

TEST NUMBER: P1338451

CATALOG NUMBER: P3A05R359740DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	45.4	46.5	46.0	45.8	45.6	44.7	42.7	42.5	40.5	39.1	32.4
5°	88.7	86.9	87.4	84.9	81.8	77.3	74.4	68.2	63.0	57.7	37.8
7.5°	167.2	164.7	160.0	152.9	145.5	135.9	121.4	109.7	96.3	83.6	42.0
10°	282.3	281.0	274.9	256.6	240.5	214.8	190.7	165.2	140.1	115.6	44.9
12.5°	436.1	426.9	416.0	391.6	359.9	327.7	280.1	236.0	196.0	154.9	45.2
15°	564.2	558.3	542.9	511.2	473.0	426.5	369.9	310.7	250.3	192.2	42.9
17.5°	667.2	658.3	638.4	607.3	563.3	502.9	436.8	364.6	291.0	218.8	39.1
20°	725.8	721.1	705.9	674.8	626.7	560.8	485.5	401.4	316.5	232.9	34.2
22.5°	755.3	751.9	740.7	715.9	671.0	604.6	518.3	420.7	323.9	231.3	29.1
25°	759.5	758.6	749.0	730.2	692.7	627.0	532.6	424.2	317.8	218.4	24.1
27.5°	774.3	771.1	759.7	741.0	703.2	630.8	527.7	411.9	298.4	195.6	20.1
30°	791.7	789.5	778.1	758.6	713.9	627.2	510.3	384.7	267.3	166.3	15.0
32.5°	790.4	789.5	779.9	759.3	706.3	606.2	479.2	343.8	225.1	131.2	9.4
35°	780.3	777.2	765.1	733.4	663.0	552.1	420.2	288.3	178.1	97.9	6.0
37.5°	756.2	749.5	729.1	675.2	585.4	468.7	342.2	222.6	126.1	65.5	3.8
40°	692.5	684.0	643.1	578.0	483.9	369.3	254.6	153.1	83.1	40.0	1.6
42.5°	574.4	557.2	516.3	449.5	361.2	261.1	167.2	99.2	49.0	24.1	0.4
45°	426.7	413.5	370.6	310.0	236.7	167.4	101.3	53.6	27.0	14.8	0.2
47.5°	248.6	240.5	218.4	178.6	130.8	87.8	51.9	28.8	15.9	7.2	0.2
50°	130.1	120.0	103.3	78.2	57.7	40.5	25.3	15.4	7.8	2.2	0.2
52.5°	45.6	44.9	40.9	30.8	25.0	18.1	12.3	6.7	2.2	0.4	0.2
55°	6.5	6.5	6.0	6.7	7.2	6.5	4.2	1.8	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.7	0.9	0.9	0.7	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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

TEST NUMBER: P1338451

CATALOG NUMBER: P3A05R359740DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	26.2	26.2	26.2	26.2	26.2
2.5°	25.9	20.8	16.5	14.5	13.9
5°	24.4	15.6	10.3	8.0	7.6
7.5°	21.7	11.2	6.3	4.5	4.2
10°	19.0	8.0	3.8	2.7	2.5
12.5°	15.9	5.6	2.5	1.6	1.3
15°	13.2	3.8	1.3	1.1	0.9
17.5°	10.5	2.5	0.9	0.7	0.9
20°	8.3	1.6	0.4	0.4	0.4
22.5°	6.3	0.9	0.4	0.4	0.4
25°	4.5	0.4	0.2	0.2	0.4
27.5°	3.1	0.2	0.2	0.2	0.4
30°	1.8	0.2	0.2	0.2	0.4
32.5°	0.9	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.7
40°	0.2	0.2	0.4	0.7	0.7
42.5°	0.2	0.2	0.4	0.7	0.9
45°	0.2	0.4	0.7	0.9	1.1
47.5°	0.4	0.4	0.9	1.1	1.3
50°	0.4	0.7	0.9	1.3	1.3
52.5°	0.4	0.7	1.1	1.3	1.6
55°	0.4	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	1.3	1.6
70°	0.7	0.9	1.1	1.3	1.3
72.5°	0.9	0.9	1.1	1.3	1.3
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	0.4	0.4	0.7	0.7
85°	0.7	0.4	0.2	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)