

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: P1336495

Luminaire Tested: P3A05R159840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

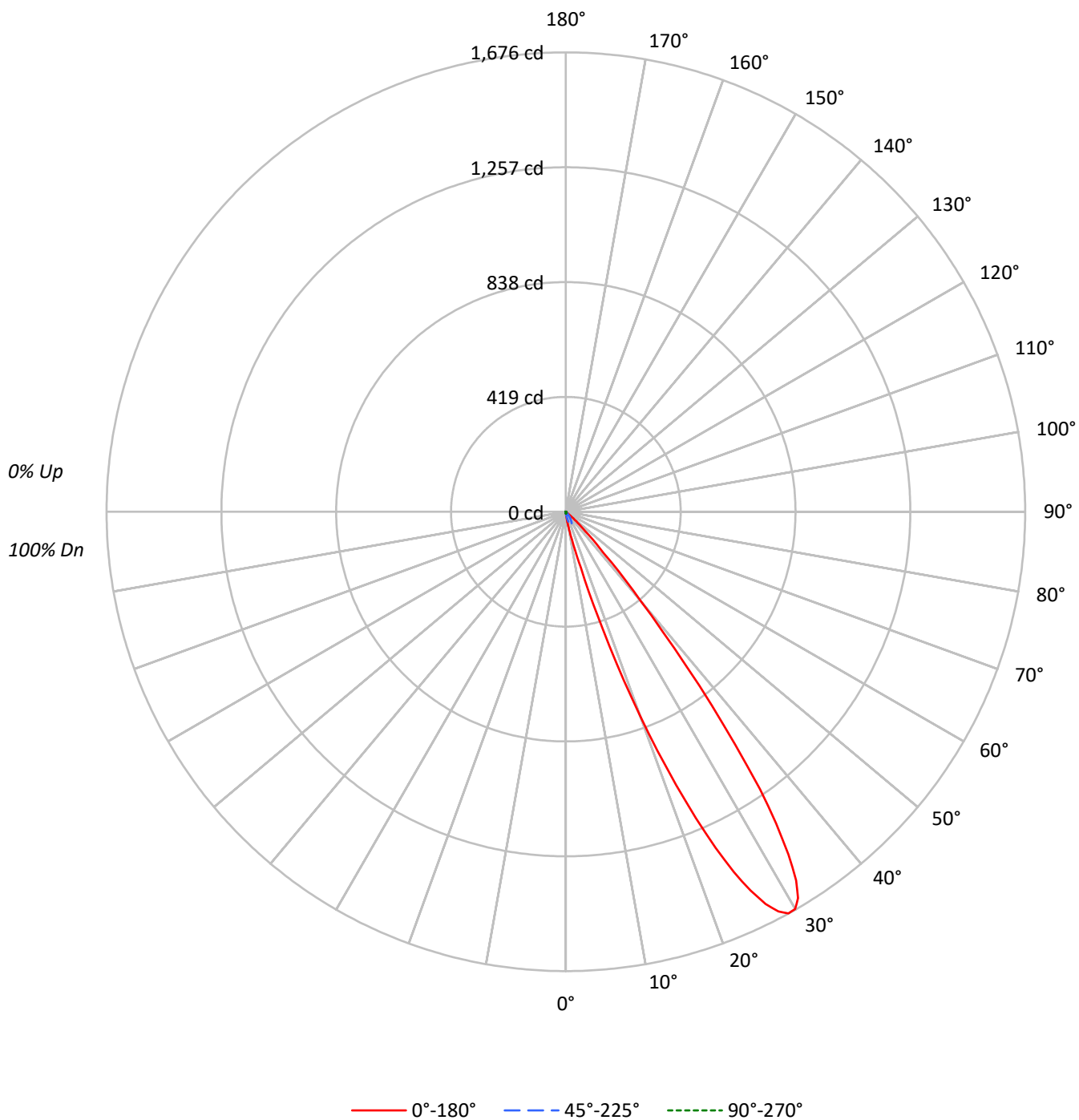
Lumens per Lamp: N/A
Luminaire Lumens: 183.1 lumens
Efficiency: N/A
Efficacy: 25.4 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1336495

CATALOG NUMBER: P3A05R159840DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1336495

CATALOG NUMBER: P3A05R159840DE010 E3A301GPH

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	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°	1338	1338	1338	1338	1338
5°	2862	2113	1255	660	550
10°	12692	4008	1002	267	200
15°	47968	9262	681	114	91
20°	184489	13044	420	47	47
25°	350803	12243	218	0	0
30°	423787	9875	101	0	0
35°	330520	6719	54	0	0
40°	120626	3321	57	0	57
45°	30980	992	62	0	124
50°	5219	136	68	68	171
55°	688	0	153	191	344
60°	88	88	219	307	482
65°	104	104	363	467	571
70°	128	128	449	449	577
75°	169	169	593	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30980 cd/sqm

TEST NUMBER: P1336495

CATALOG NUMBER: P3A05R159840DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.5
10°-20°	14.0	7.7
20°-30°	77.8	42.5
30°-40°	75.1	41.0
40°-50°	13.1	7.1
50°-60°	0.9	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.2	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°	92.6	50.6
0°-40°	167.8	91.7
0°-60°	181.8	99.3
0°-90°	183.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	183.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	13	10	6	3	2	3
15°	211	41	3	0	0	94
25°	1450	51	1	0	0	648
35°	1235	25	0	0	0	710
45°	100	3	0	0	0	107
55°	2	0	0	0	1	3
65°	0	0	1	1	1	0
75°	0	0	1	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1336495

CATALOG NUMBER: P3A05R159840DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	8.9	8.5	8.7	8.7	8.7	8.7	8.7	8.4	8.4	8.5	7.7
5°	13.0	13.0	12.8	13.0	13.0	12.8	12.5	12.3	12.3	11.9	9.6
7.5°	26.0	25.6	25.6	25.3	23.5	23.0	22.6	21.7	20.1	19.8	12.5
10°	57.0	57.1	55.9	54.3	54.1	51.4	50.6	49.0	45.9	42.9	18.0
12.5°	103.4	101.1	98.1	98.3	93.1	91.3	87.2	82.8	78.1	73.3	29.6
15°	211.3	204.7	208.6	199.0	188.2	175.9	163.4	147.8	134.4	120.2	40.8
17.5°	445.0	451.4	440.6	399.5	374.2	344.5	302.6	262.2	227.7	199.9	49.8
20°	790.6	800.0	763.1	727.4	665.9	599.0	529.2	450.2	374.5	309.0	55.9
21°	934.9	929.2	914.1	856.8	785.9	708.3	622.9	535.6	444.0	358.9	56.4
22°	1074.5	1077.2	1041.9	981.9	908.2	822.2	717.9	610.2	511.4	399.5	55.5
23°	1213.5	1222.1	1175.4	1119.2	1026.4	929.4	808.7	692.5	570.4	445.9	53.8
24°	1342.2	1336.3	1304.8	1234.0	1134.8	1021.3	895.9	755.0	618.8	485.6	52.3
25°	1449.9	1449.2	1399.7	1330.8	1217.4	1091.6	953.4	806.0	660.3	512.5	50.6
26°	1538.0	1523.6	1484.6	1400.6	1288.6	1155.8	1000.6	843.2	683.6	526.0	48.8
27°	1606.0	1595.7	1543.4	1456.0	1339.0	1192.2	1030.9	861.8	694.3	530.5	46.5
28°	1651.8	1640.6	1584.8	1494.8	1366.8	1214.9	1046.9	869.6	694.3	526.2	44.3
29°	1675.5	1660.1	1604.6	1508.1	1373.2	1217.6	1043.0	861.9	683.4	513.0	41.8
30°	1673.7	1654.6	1596.4	1496.0	1354.1	1195.7	1021.1	834.3	658.8	493.5	39.0
31°	1644.8	1623.5	1558.5	1455.1	1314.8	1154.4	979.8	797.3	625.2	468.0	36.1
32°	1586.3	1559.2	1495.8	1392.8	1254.3	1092.6	919.8	740.2	574.8	430.8	33.1
33°	1490.9	1463.6	1395.6	1299.0	1172.4	1014.3	840.2	678.8	517.5	386.5	30.6
34°	1371.4	1346.5	1287.9	1190.6	1069.1	915.2	748.7	593.9	458.0	342.5	27.9
35°	1234.7	1195.0	1142.0	1064.9	946.5	791.6	649.9	514.8	396.8	296.4	25.1
36°	1049.7	1056.9	1000.6	906.3	808.2	686.8	550.8	429.2	331.8	252.6	22.6
37°	885.8	874.6	838.8	765.8	680.4	559.9	461.6	363.9	279.1	213.6	19.9
38°	714.5	717.0	682.0	625.9	541.2	460.3	371.5	298.9	233.6	181.8	17.4
39°	559.3	557.4	547.9	495.9	419.2	366.2	301.0	247.8	194.6	153.3	14.8
40°	421.4	424.6	402.5	371.2	326.5	282.9	239.8	197.6	160.9	129.2	11.6
42.5°	204.9	209.9	195.3	187.3	167.5	150.4	126.9	103.6	88.1	76.2	5.2
45°	99.9	97.0	95.8	91.9	87.2	78.0	69.1	59.3	51.8	44.7	3.2
47.5°	51.1	49.7	49.7	48.1	46.5	43.4	39.0	35.8	32.2	27.8	1.2
50°	15.3	15.1	15.0	15.1	14.6	15.1	15.5	15.7	14.2	14.1	0.4
52.5°	6.1	6.2	6.1	6.6	6.6	6.4	6.6	6.4	6.2	5.5	0.0
55°	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.1	2.0	2.1	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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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CATALOG NUMBER: P3A05R159840DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	7.1	6.2	5.2	4.3	3.9	3.7
5°	7.7	5.7	3.9	3.0	2.7	2.5
7.5°	8.2	5.2	3.0	2.1	1.6	1.4
10°	8.5	4.5	2.3	1.2	0.9	0.9
12.5°	8.5	3.6	1.6	0.7	0.5	0.5
15°	8.4	3.0	1.1	0.5	0.4	0.4
17.5°	8.2	2.3	0.7	0.4	0.2	0.4
20°	7.7	1.8	0.4	0.2	0.2	0.2
21°	7.5	1.6	0.4	0.2	0.2	0.2
22°	7.1	1.4	0.2	0.0	0.2	0.2
23°	6.8	1.1	0.2	0.0	0.0	0.0
24°	6.2	0.9	0.2	0.0	0.0	0.0
25°	5.9	0.9	0.2	0.0	0.0	0.0
26°	5.5	0.5	0.0	0.0	0.0	0.0
27°	5.0	0.4	0.0	0.0	0.0	0.0
28°	4.6	0.4	0.0	0.0	0.0	0.0
29°	4.1	0.4	0.0	0.0	0.0	0.0
30°	3.6	0.4	0.0	0.0	0.0	0.0
31°	2.8	0.2	0.0	0.0	0.0	0.0
32°	2.3	0.2	0.0	0.0	0.0	0.0
33°	1.6	0.2	0.0	0.0	0.0	0.0
34°	1.1	0.2	0.0	0.0	0.0	0.0
35°	0.9	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.2	0.0	0.0	0.0	0.2
37°	0.5	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.5
52.5°	0.0	0.4	0.2	0.4	0.5	0.7
55°	0.2	0.4	0.4	0.5	0.7	0.9
57.5°	0.2	0.5	0.5	0.7	0.9	0.9
60°	0.4	0.5	0.7	0.7	1.1	1.1
62.5°	0.4	0.7	0.7	0.7	1.1	1.1
65°	0.4	0.7	0.7	0.9	1.1	1.1
67.5°	0.4	0.7	0.7	0.7	0.9	1.1
70°	0.4	0.7	0.5	0.7	0.9	0.9
72.5°	0.4	0.7	0.5	0.5	0.7	0.9
75°	0.4	0.7	0.5	0.5	0.7	0.7
77.5°	0.4	0.5	0.5	0.4	0.5	0.5
80°	0.4	0.5	0.4	0.4	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.5	0.4	0.2	0.4	0.4
85°	0.4	0.5	0.4	0.2	0.2	0.2
87.5°	0.4	0.5	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)