

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: P1338483

Luminaire Tested: P3A05R359830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338483
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: P3A05R359830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

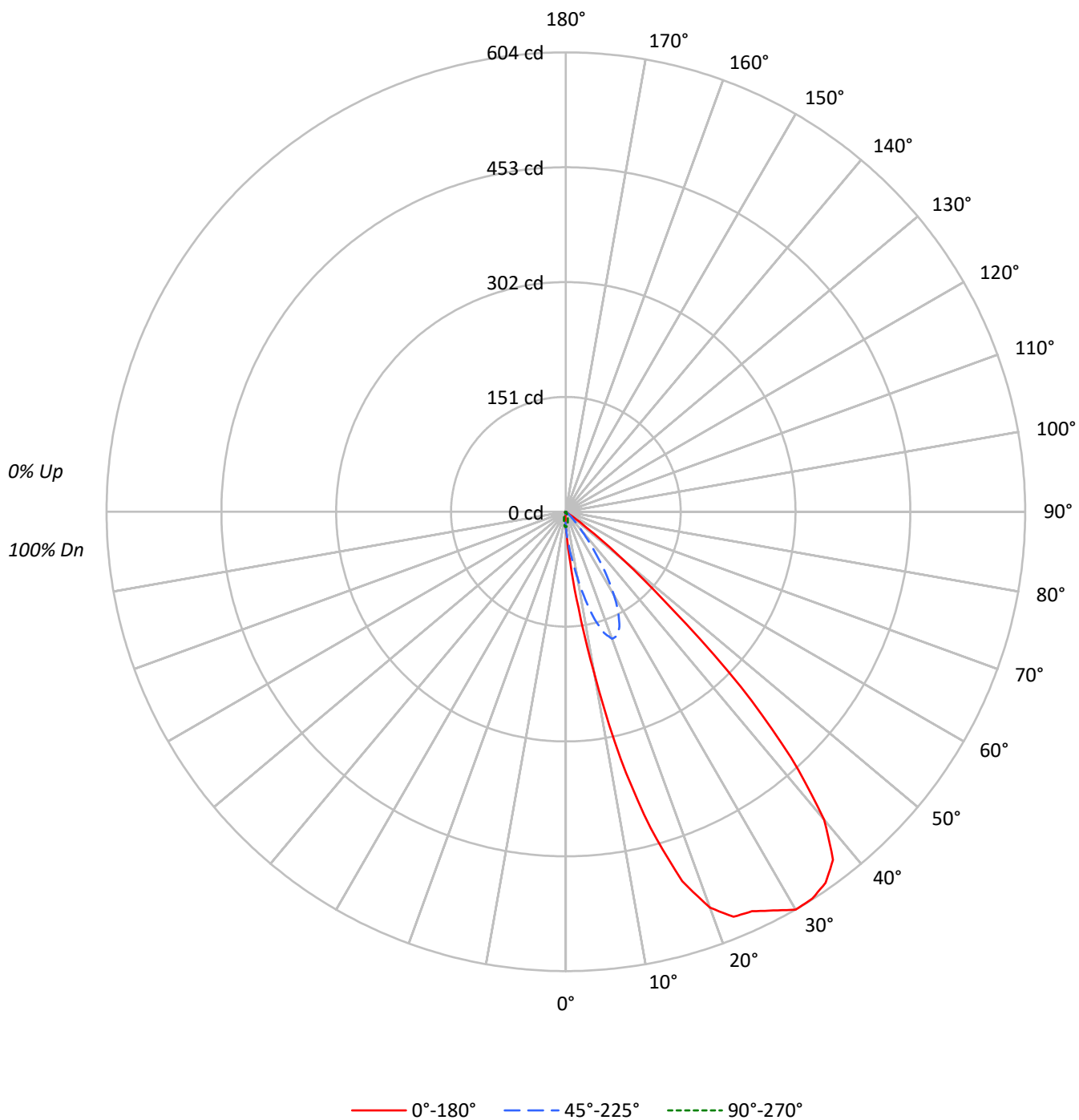
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1338483

CATALOG NUMBER: P3A05R359830DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1338483

CATALOG NUMBER: P3A05R359830DE010 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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4386	4386	4386	4386	4386
5°	14902	9685	4094	1717	1277
10°	47962	19639	3229	646	423
15°	97730	33303	2293	227	159
20°	129231	41467	1470	70	70
25°	140210	40309	823	48	73
30°	152960	32132	354	51	76
35°	159384	19997	80	54	80
40°	151255	8731	57	86	143
45°	100972	3504	62	155	279
50°	33875	580	102	239	341
55°	1873	76	115	344	459
60°	132	88	219	395	526
65°	156	104	259	467	623
70°	128	128	321	577	641
75°	169	169	424	593	763
80°	0	253	631	631	631
85°	0	503	1258	503	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100972 cd/sqm

TEST NUMBER: P1338483

CATALOG NUMBER: P3A05R359830DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	1.8
10°-20°	27.3	14.4
20°-30°	57.6	30.3
30°-40°	65.4	34.4
40°-50°	32.2	16.9
50°-60°	2.8	1.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
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°	88.3	46.5
0°-40°	153.7	80.9
0°-60°	188.7	99.3
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	68	44	19	8	6	11
15°	430	147	10	1	1	122
25°	580	167	3	0	0	270
35°	595	75	0	0	0	367
45°	326	11	0	0	1	241
55°	5	0	0	1	1	19
65°	0	0	0	1	1	0
75°	0	0	0	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1338483

CATALOG NUMBER: P3A05R359830DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	34.6	35.5	35.1	35.0	34.8	34.1	32.6	32.4	30.9	29.8	24.7
5°	67.7	66.3	66.7	64.8	62.4	59.0	56.8	52.0	48.1	44.0	28.8
7.5°	127.6	125.7	122.1	116.7	111.0	103.7	92.6	83.7	73.5	63.8	32.1
10°	215.4	214.4	209.8	195.8	183.5	163.9	145.5	126.0	106.9	88.2	34.3
12.5°	332.8	325.8	317.4	298.8	274.6	250.0	213.7	180.1	149.6	118.2	34.5
15°	430.5	426.0	414.3	390.1	360.9	325.4	282.3	237.1	191.0	146.7	32.7
17.5°	509.1	502.3	487.1	463.4	429.8	383.8	333.3	278.2	222.1	167.0	29.8
20°	553.8	550.2	538.6	514.9	478.2	427.9	370.4	306.3	241.5	177.7	26.1
22.5°	576.3	573.8	565.2	546.3	512.0	461.4	395.5	321.0	247.1	176.5	22.2
25°	579.5	578.9	571.5	557.2	528.6	478.4	406.4	323.7	242.5	166.6	18.4
27.5°	590.8	588.4	579.7	565.4	536.6	481.3	402.7	314.3	227.7	149.2	15.4
30°	604.1	602.4	593.7	578.9	544.8	478.6	389.4	293.5	204.0	126.9	11.4
32.5°	603.1	602.4	595.1	579.4	539.0	462.5	365.7	262.3	171.7	100.1	7.2
35°	595.4	593.0	583.8	559.6	505.9	421.3	320.6	220.0	135.9	74.7	4.6
37.5°	577.0	571.9	556.4	515.2	446.7	357.7	261.1	169.9	96.2	50.0	2.9
40°	528.4	521.9	490.7	441.1	369.3	281.8	194.3	116.8	63.4	30.5	1.2
42.5°	438.3	425.2	394.0	343.0	275.6	199.2	127.6	75.7	37.4	18.4	0.3
45°	325.6	315.5	282.8	236.6	180.6	127.7	77.3	40.9	20.6	11.3	0.2
47.5°	189.7	183.5	166.6	136.3	99.8	67.0	39.6	22.0	12.1	5.5	0.2
50°	99.3	91.6	78.8	59.7	44.0	30.9	19.3	11.8	6.0	1.7	0.2
52.5°	34.8	34.3	31.2	23.5	19.1	13.8	9.4	5.1	1.7	0.3	0.2
55°	4.9	4.9	4.6	5.1	5.5	4.9	3.2	1.4	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.3
60°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
62.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
65°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
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	0.2	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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
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: P1338483

CATALOG NUMBER: P3A05R359830DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	20.0	20.0	20.0	20.0	20.0
2.5°	19.8	15.9	12.6	11.1	10.6
5°	18.6	11.9	7.8	6.1	5.8
7.5°	16.5	8.5	4.8	3.4	3.2
10°	14.5	6.1	2.9	2.0	1.9
12.5°	12.1	4.3	1.9	1.2	1.0
15°	10.1	2.9	1.0	0.9	0.7
17.5°	8.0	1.9	0.7	0.5	0.7
20°	6.3	1.2	0.3	0.3	0.3
22.5°	4.8	0.7	0.3	0.3	0.3
25°	3.4	0.3	0.2	0.2	0.3
27.5°	2.4	0.2	0.2	0.2	0.3
30°	1.4	0.2	0.2	0.2	0.3
32.5°	0.7	0.2	0.2	0.3	0.3
35°	0.3	0.2	0.2	0.3	0.3
37.5°	0.2	0.2	0.2	0.3	0.5
40°	0.2	0.2	0.3	0.5	0.5
42.5°	0.2	0.2	0.3	0.5	0.7
45°	0.2	0.3	0.5	0.7	0.9
47.5°	0.3	0.3	0.7	0.9	1.0
50°	0.3	0.5	0.7	1.0	1.0
52.5°	0.3	0.5	0.9	1.0	1.2
55°	0.3	0.7	0.9	1.2	1.2
57.5°	0.5	0.7	0.9	1.2	1.2
60°	0.5	0.7	0.9	1.2	1.2
62.5°	0.5	0.7	0.9	1.2	1.2
65°	0.5	0.7	0.9	1.2	1.2
67.5°	0.5	0.7	0.9	1.0	1.2
70°	0.5	0.7	0.9	1.0	1.0
72.5°	0.7	0.7	0.9	1.0	1.0
75°	0.5	0.7	0.7	0.9	0.9
77.5°	0.5	0.5	0.5	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.3	0.3	0.5	0.5
85°	0.5	0.3	0.2	0.3	0.3
87.5°	0.3	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)