

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: P1345063

Luminaire Tested: P3A13R309830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

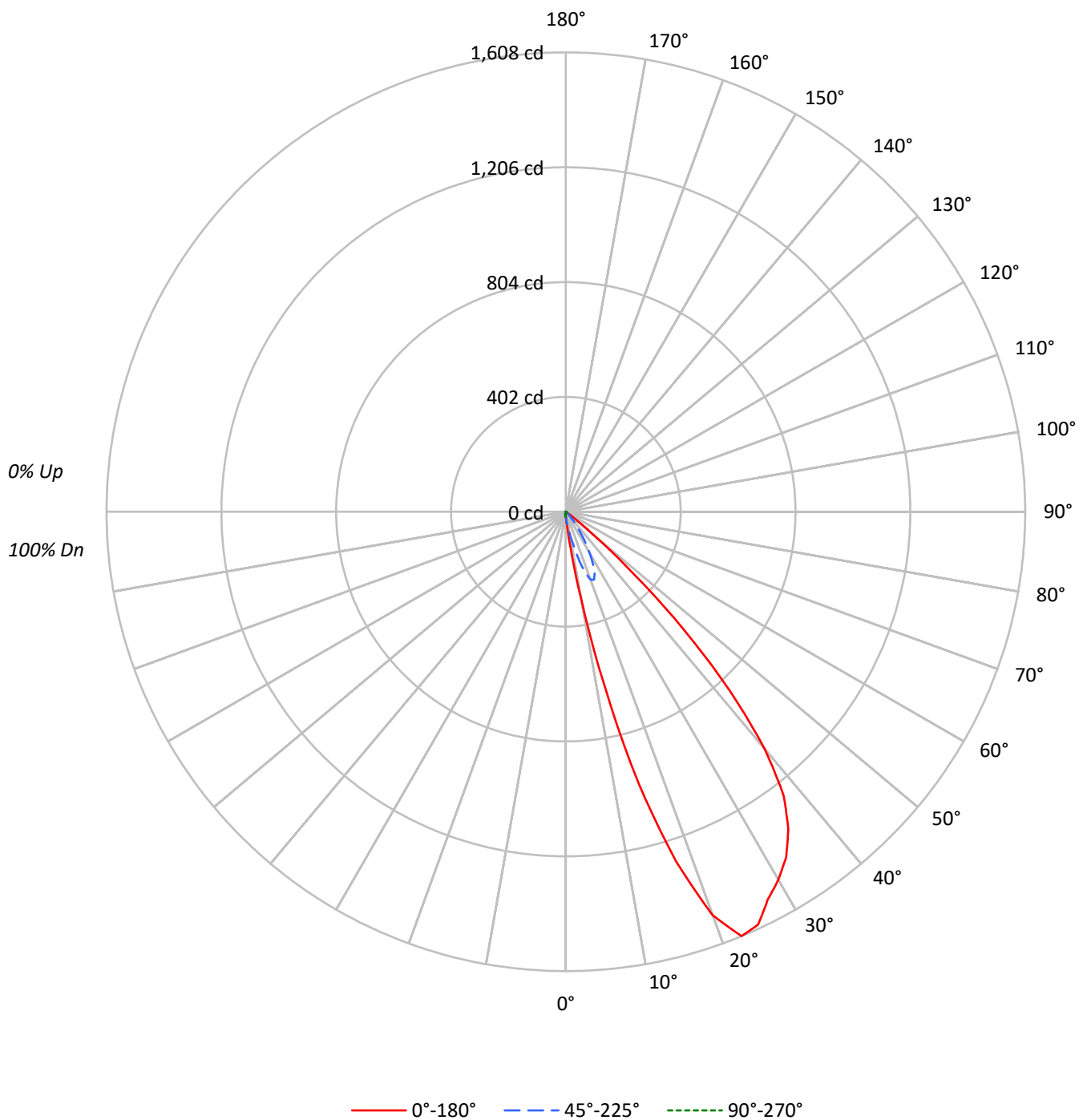
Lumens per Lamp: N/A
Luminaire Lumens: 378.9 lumens
Efficiency: N/A
Efficacy: 26.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1345063

CATALOG NUMBER: P3A13R309830DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1345063

CATALOG NUMBER: P3A13R309830DE010 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	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	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	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3947	3947	3947	3947	3947
5°	11886	7924	3742	1673	1365
10°	68870	16811	2939	779	534
15°	223997	38139	2043	159	68
20°	350497	58992	1283	0	0
25°	385619	57657	677	0	0
30°	376615	41576	253	0	0
35°	363499	23637	80	0	0
40°	309981	10019	0	0	0
45°	181941	3752	93	0	93
50°	44178	716	102	102	341
55°	3823	0	268	382	535
60°	132	0	307	439	746
65°	156	156	519	519	882
70°	192	192	641	641	898
75°	0	254	847	847	847
80°	0	379	1263	884	884
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 181941 cd/sqm

TEST NUMBER: P1345063

CATALOG NUMBER: P3A13R309830DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.9
10°-20°	52.1	13.7
20°-30°	132.4	34.9
30°-40°	131.9	34.8
40°-50°	53.4	14.1
50°-60°	3.7	1.0
60°-70°	0.8	0.2
70°-80°	0.8	0.2
80°-90°	0.5	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°	187.8	49.6
0°-40°	319.7	84.4
0°-60°	376.8	99.5
0°-90°	378.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	54	36	17	8	6	13
15°	987	168	9	1	0	287
25°	1594	238	3	0	0	720
35°	1358	88	0	0	0	832
45°	587	12	0	0	0	448
55°	10	0	1	1	1	26
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: P1345063

CATALOG NUMBER: P3A13R309830DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	29.8	30.1	30.1	29.4	29.1	29.1	28.1	27.7	26.7	25.6	22.2
5°	54.0	53.0	51.6	51.6	48.5	46.8	44.3	41.6	39.5	36.0	25.6
7.5°	122.6	114.3	111.9	108.7	97.0	87.6	76.9	67.5	58.9	51.6	28.4
10°	309.3	293.0	279.5	252.1	217.8	184.9	154.5	119.1	94.9	75.5	30.5
12.5°	623.0	601.2	575.2	525.4	461.3	379.2	306.5	228.9	160.7	111.2	31.2
15°	986.7	949.6	909.1	845.7	740.8	623.0	491.8	368.1	258.0	168.0	30.5
17.5°	1283.1	1268.6	1208.7	1122.1	993.6	841.9	680.2	511.2	348.1	219.9	28.4
20°	1502.0	1491.9	1419.6	1327.4	1182.7	1008.8	803.5	600.5	410.7	252.8	25.3
22.5°	1607.6	1605.9	1553.6	1459.4	1306.0	1108.9	882.8	652.1	430.1	257.3	21.1
25°	1593.8	1600.0	1570.2	1500.3	1353.1	1150.1	906.3	652.1	415.9	238.3	17.7
27.5°	1530.7	1534.9	1516.2	1462.5	1325.4	1120.3	873.4	610.2	374.7	204.7	14.5
30°	1487.4	1489.2	1466.0	1408.5	1263.0	1052.5	795.8	532.6	312.4	164.2	10.7
32.5°	1434.8	1434.5	1407.4	1341.6	1181.3	957.2	697.5	440.2	240.0	124.7	6.2
35°	1357.9	1349.3	1312.5	1236.7	1059.4	829.1	571.8	335.2	172.8	88.3	3.8
37.5°	1252.3	1229.8	1177.8	1076.4	888.3	650.0	423.9	235.5	118.1	58.5	2.4
40°	1082.9	1059.0	988.4	865.1	671.9	467.9	285.7	153.4	74.5	35.0	1.4
42.5°	849.2	832.9	737.7	614.7	443.6	298.5	171.8	90.7	41.9	20.1	0.3
45°	586.7	565.5	490.7	386.5	266.3	165.5	96.3	47.4	23.9	12.1	0.0
47.5°	323.8	297.8	254.5	200.2	134.0	86.9	48.5	25.6	13.5	5.9	0.0
50°	129.5	128.5	102.2	72.7	51.3	39.5	24.2	13.9	6.9	2.1	0.3
52.5°	45.4	45.4	39.1	31.9	24.9	18.0	12.1	6.6	2.4	0.7	0.3
55°	10.0	11.1	10.4	9.7	9.4	8.0	5.2	2.4	0.7	0.0	0.3
57.5°	1.0	1.0	1.0	1.4	1.7	1.7	1.4	0.7	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.7
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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: P1345063

CATALOG NUMBER: P3A13R309830DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	18.0	18.0	18.0	18.0	18.0
2.5°	18.0	14.2	11.8	10.4	10.0
5°	17.0	10.7	7.6	6.6	6.2
7.5°	15.2	8.0	5.2	4.2	3.8
10°	13.2	5.9	3.5	2.4	2.4
12.5°	11.1	4.5	2.1	1.0	0.7
15°	9.0	2.8	0.7	0.3	0.3
17.5°	6.9	1.7	0.0	0.0	0.0
20°	5.5	0.7	0.0	0.0	0.0
22.5°	4.2	0.3	0.0	0.0	0.0
25°	2.8	0.0	0.0	0.0	0.0
27.5°	1.7	0.0	0.0	0.0	0.0
30°	1.0	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.7	0.7
50°	0.3	0.3	0.3	0.7	1.0
52.5°	0.7	0.3	0.7	1.0	1.0
55°	0.7	0.7	1.0	1.4	1.4
57.5°	0.7	0.7	1.0	1.4	1.4
60°	0.7	0.7	1.0	1.4	1.7
62.5°	1.0	1.0	1.0	1.4	1.4
65°	1.0	1.0	1.0	1.4	1.7
67.5°	1.0	1.0	1.0	1.4	1.7
70°	1.0	1.0	1.0	1.4	1.4
72.5°	1.4	1.0	1.0	1.4	1.4
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	0.7	1.0	1.0
80°	1.0	0.7	0.7	0.7	0.7
82.5°	1.0	0.7	0.7	0.7	0.7
85°	1.0	0.7	0.3	0.3	0.3
87.5°	1.0	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)