

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: P1345211

Luminaire Tested: P3A13R30W2N902750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345211
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: P3A13R30W2N902750DE010 E3A301GPH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

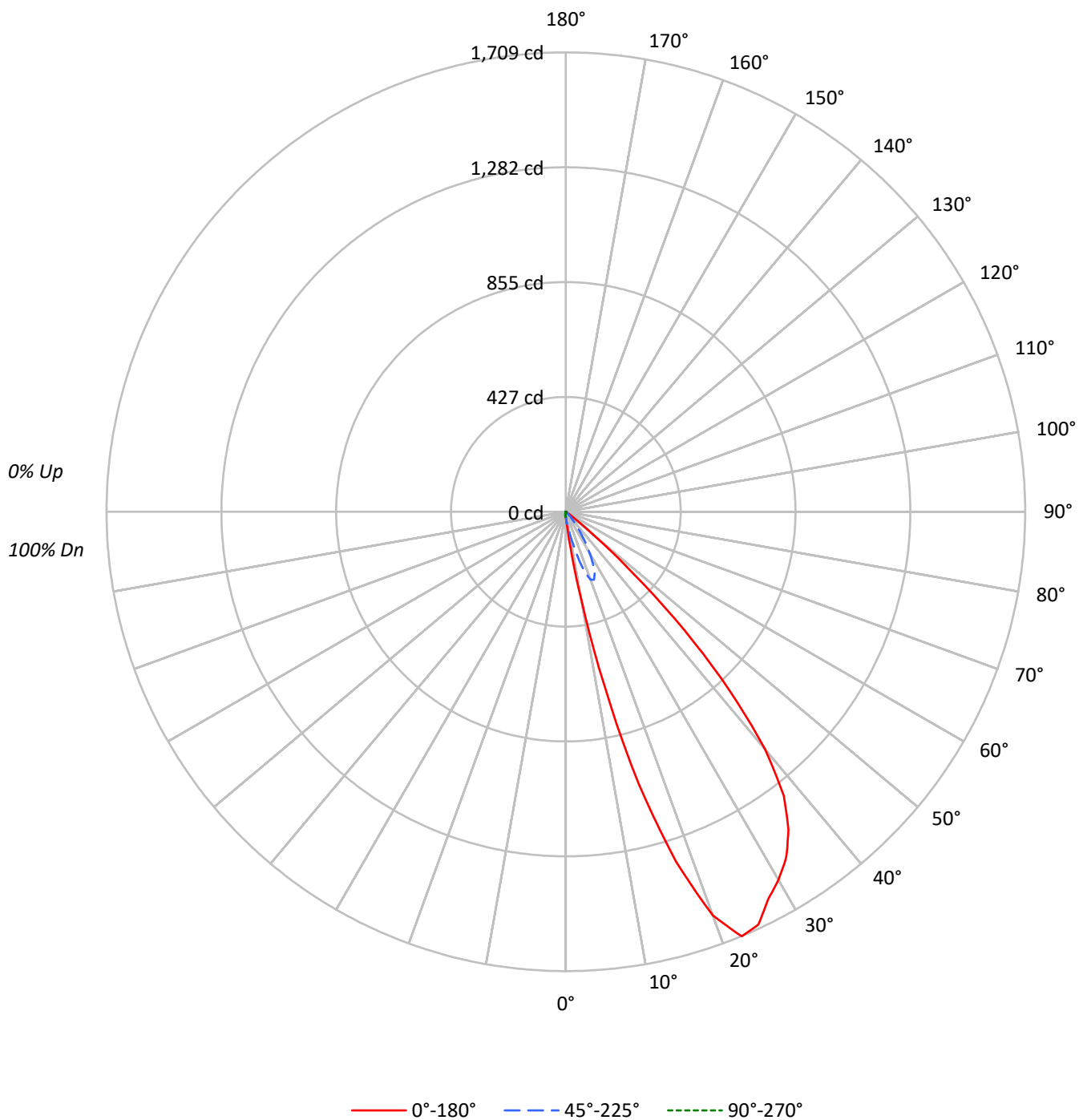
Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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	103	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°	4188	4188	4188	4188	4188
5°	12635	8431	3962	1783	1453
10°	73212	17880	3117	824	579
15°	238163	40545	2179	159	91
20°	372689	62725	1377	0	0
25°	410032	61310	702	0	0
30°	400467	44209	279	0	0
35°	386521	25136	107	0	0
40°	329618	10649	0	0	0
45°	193446	4000	124	0	124
50°	46975	751	136	136	375
55°	4091	0	268	421	573
60°	175	0	307	482	789
65°	208	208	571	571	934
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	884	884
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 193446 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.9
10°-20°	55.4	13.7
20°-30°	140.8	34.9
30°-40°	140.3	34.8
40°-50°	56.8	14.1
50°-60°	3.9	1.0
60°-70°	0.9	0.2
70°-80°	0.9	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°	199.7	49.5
0°-40°	340.0	84.4
0°-60°	400.7	99.4
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	57	38	18	8	7	13
15°	1049	179	10	1	0	305
25°	1695	253	3	0	0	765
35°	1444	94	0	0	0	885
45°	624	13	0	0	0	476
55°	11	0	1	1	2	28
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	31.7	32.0	32.0	31.3	30.9	30.9	29.8	29.5	28.4	27.3	23.6
5°	57.4	56.3	54.9	54.9	51.6	49.7	47.1	44.2	42.0	38.3	27.3
7.5°	130.4	121.5	118.9	115.6	103.1	93.2	81.8	71.8	62.6	54.9	30.2
10°	328.8	311.5	297.2	268.1	231.6	196.6	164.2	126.7	100.9	80.3	32.4
12.5°	662.5	639.3	611.7	558.6	490.5	403.2	325.9	243.4	170.9	118.2	33.1
15°	1049.1	1009.7	966.7	899.3	787.7	662.5	522.9	391.4	274.3	178.6	32.4
17.5°	1364.4	1348.9	1285.2	1193.1	1056.5	895.2	723.2	543.5	370.1	233.8	30.2
20°	1597.1	1586.4	1509.5	1411.5	1257.6	1072.7	854.3	638.5	436.7	268.8	26.9
22.5°	1709.4	1707.6	1652.0	1551.8	1388.7	1179.1	938.7	693.4	457.4	273.6	22.5
25°	1694.7	1701.3	1669.6	1595.3	1438.8	1223.0	963.7	693.4	442.3	253.4	18.8
27.5°	1627.7	1632.1	1612.2	1555.1	1409.3	1191.3	928.7	648.9	398.4	217.6	15.5
30°	1581.6	1583.5	1558.8	1497.7	1343.0	1119.1	846.2	566.4	332.2	174.6	11.4
32.5°	1525.7	1525.3	1496.6	1426.6	1256.1	1017.8	741.7	468.0	255.2	132.6	6.6
35°	1443.9	1434.7	1395.7	1315.0	1126.5	881.6	608.0	356.5	183.8	93.9	4.1
37.5°	1331.6	1307.7	1252.4	1144.5	944.6	691.2	450.7	250.4	125.6	62.2	2.6
40°	1151.5	1126.1	1051.0	919.9	714.4	497.5	303.8	163.1	79.2	37.2	1.5
42.5°	902.9	885.6	784.4	653.6	471.7	317.4	182.7	96.5	44.6	21.4	0.4
45°	623.8	601.4	521.8	411.0	283.2	176.0	102.4	50.5	25.4	12.9	0.0
47.5°	344.3	316.7	270.7	212.8	142.5	92.4	51.6	27.3	14.4	6.3	0.0
50°	137.7	136.6	108.6	77.3	54.5	42.0	25.8	14.7	7.4	2.2	0.4
52.5°	48.2	48.2	41.6	33.9	26.5	19.1	12.9	7.0	2.6	0.7	0.4
55°	10.7	11.8	11.0	10.3	9.9	8.5	5.5	2.6	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.8	1.8	1.5	0.7	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	19.1	19.1	19.1	19.1	19.1
2.5°	19.1	15.1	12.5	11.0	10.7
5°	18.0	11.4	8.1	7.0	6.6
7.5°	16.2	8.5	5.5	4.4	4.1
10°	14.0	6.3	3.7	2.6	2.6
12.5°	11.8	4.8	2.2	1.1	0.7
15°	9.6	2.9	0.7	0.4	0.4
17.5°	7.4	1.8	0.0	0.0	0.0
20°	5.9	0.7	0.0	0.0	0.0
22.5°	4.4	0.4	0.0	0.0	0.0
25°	2.9	0.0	0.0	0.0	0.0
27.5°	1.8	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.7	1.1
52.5°	0.7	0.4	0.7	1.1	1.1
55°	0.7	0.7	1.1	1.5	1.5
57.5°	0.7	0.7	1.1	1.5	1.5
60°	0.7	0.7	1.1	1.5	1.8
62.5°	1.1	1.1	1.1	1.5	1.5
65°	1.1	1.1	1.1	1.5	1.8
67.5°	1.1	1.1	1.1	1.5	1.8
70°	1.1	1.1	1.1	1.5	1.5
72.5°	1.5	1.1	1.1	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.7	1.1	1.1
80°	1.1	0.7	0.7	0.7	0.7
82.5°	1.1	0.7	0.7	0.7	0.7
85°	1.1	0.7	0.4	0.4	0.4
87.5°	1.1	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)