

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: P1345399

Luminaire Tested: P3A13R359027DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345399
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: P3A13R359027DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

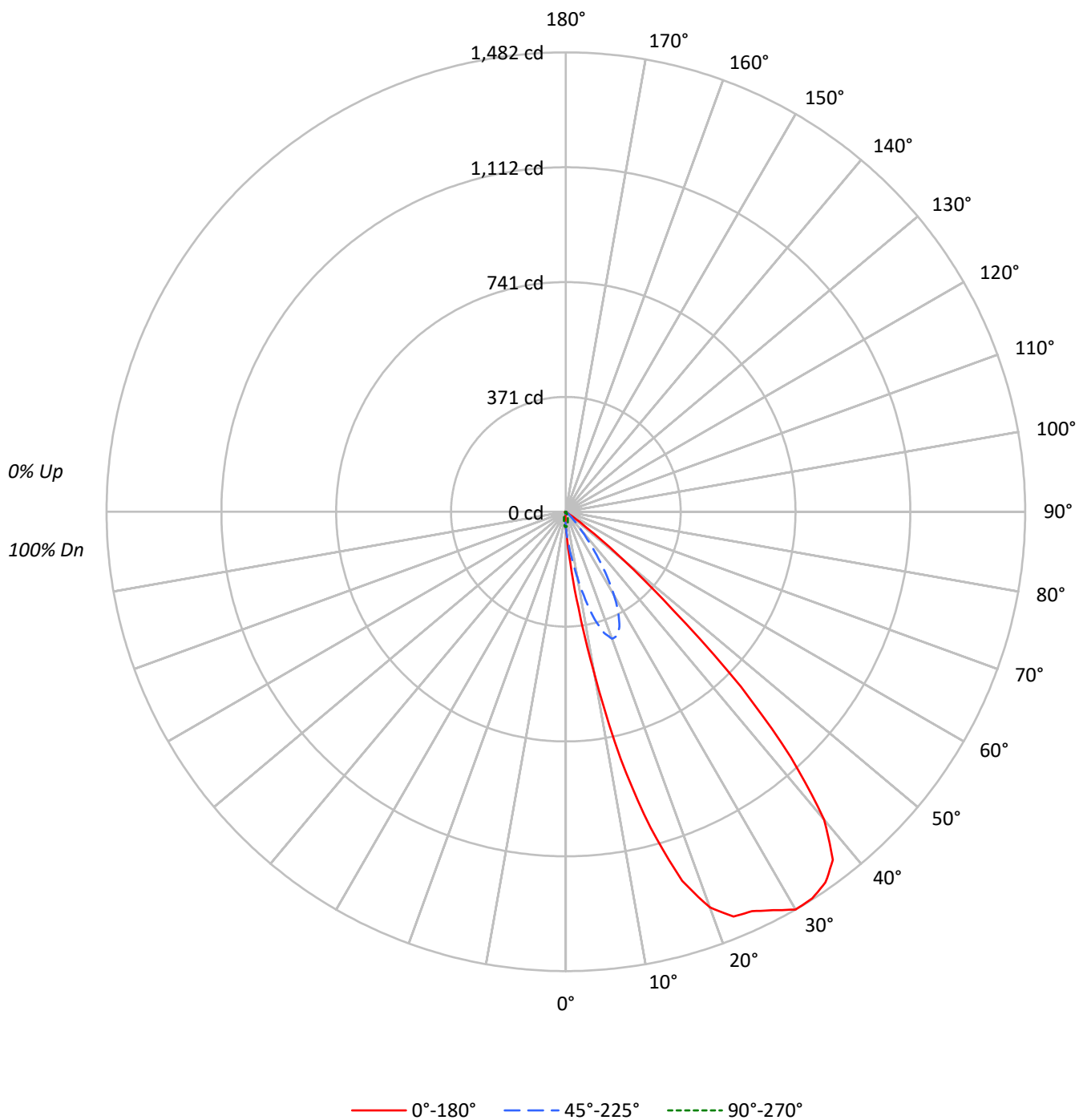
Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	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°	10723	10723	10723	10723	10723
5°	36562	23751	10037	4226	3126
10°	117633	48162	7927	1581	1024
15°	239684	81658	5607	568	386
20°	316964	101719	3617	187	187
25°	343907	98885	2032	97	194
30°	375172	78797	836	101	203
35°	390911	49041	214	107	214
40°	370952	21440	115	229	372
45°	247654	8559	124	403	651
50°	83068	1433	273	580	853
55°	4626	153	306	803	1109
60°	351	175	570	921	1272
65°	415	208	675	1090	1505
70°	256	256	833	1346	1603
75°	339	339	1101	1440	1779
80°	0	505	1642	1642	1642
85°	0	1006	3271	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 247654 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	1.8
10°-20°	66.9	14.4
20°-30°	141.3	30.3
30°-40°	160.3	34.4
40°-50°	78.9	16.9
50°-60°	6.8	1.5
60°-70°	1.4	0.3
70°-80°	1.3	0.3
80°-90°	0.6	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°	216.7	46.5
0°-40°	376.9	80.9
0°-60°	462.7	99.3
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	166	108	46	19	14	27
15°	1056	360	25	2	2	300
25°	1421	409	8	0	1	661
35°	1460	183	1	0	1	900
45°	799	28	0	1	2	590
55°	12	0	1	2	3	48
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	1	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°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	84.9	87.0	86.2	85.8	85.3	83.7	79.9	79.5	75.7	73.2	60.7
5°	166.1	162.7	163.6	159.0	153.1	144.7	139.3	127.6	118.0	107.9	70.7
7.5°	312.9	308.3	299.5	286.1	272.3	254.3	227.1	205.4	180.3	156.4	78.6
10°	528.3	525.8	514.5	480.2	450.1	402.0	356.8	309.1	262.3	216.3	84.1
12.5°	816.1	799.0	778.5	732.9	673.5	613.2	524.1	441.7	366.9	289.9	84.5
15°	1055.8	1044.9	1016.1	956.7	885.1	798.1	692.3	581.5	468.5	359.7	80.3
17.5°	1248.7	1231.9	1194.7	1136.6	1054.1	941.2	817.4	682.3	544.6	409.5	73.2
20°	1358.3	1349.5	1321.0	1262.9	1172.9	1049.5	908.6	751.3	592.3	435.9	64.0
22.5°	1413.5	1407.2	1386.3	1339.8	1255.8	1131.5	970.1	787.3	606.1	433.0	54.4
25°	1421.4	1419.7	1401.8	1366.6	1296.3	1173.4	996.8	794.0	594.8	408.7	45.2
27.5°	1449.0	1443.2	1421.8	1386.7	1316.0	1180.5	987.6	770.9	558.4	366.0	37.6
30°	1481.7	1477.5	1456.1	1419.7	1336.1	1173.8	955.0	719.9	500.3	311.2	28.0
32.5°	1479.1	1477.5	1459.5	1421.0	1321.9	1134.5	896.9	643.4	421.2	245.5	17.6
35°	1460.3	1454.5	1431.9	1372.5	1240.7	1033.2	786.4	539.6	333.4	183.2	11.3
37.5°	1415.1	1402.6	1364.5	1263.7	1095.6	877.2	640.4	416.6	235.9	122.6	7.1
40°	1295.9	1280.0	1203.5	1081.8	905.6	691.0	476.5	286.5	155.6	74.9	2.9
42.5°	1075.1	1042.8	966.3	841.2	676.0	488.6	312.9	185.7	91.6	45.2	0.8
45°	798.6	773.9	693.6	580.2	443.0	313.3	189.5	100.4	50.6	27.6	0.4
47.5°	465.2	450.1	408.7	334.2	244.7	164.4	97.0	54.0	29.7	13.4	0.4
50°	243.5	224.6	193.3	146.4	107.9	75.7	47.3	28.9	14.6	4.2	0.4
52.5°	85.3	84.1	76.6	57.7	46.9	33.9	23.0	12.5	4.2	0.8	0.4
55°	12.1	12.1	11.3	12.5	13.4	12.1	7.9	3.3	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.3	1.7	1.7	1.3	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	48.9	48.9	48.9	48.9	48.9
2.5°	48.5	38.9	31.0	27.2	25.9
5°	45.6	29.3	19.2	15.1	14.2
7.5°	40.6	20.9	11.7	8.4	7.9
10°	35.6	15.1	7.1	5.0	4.6
12.5°	29.7	10.5	4.6	2.9	2.5
15°	24.7	7.1	2.5	2.1	1.7
17.5°	19.7	4.6	1.7	1.3	1.7
20°	15.5	2.9	0.8	0.8	0.8
22.5°	11.7	1.7	0.8	0.8	0.8
25°	8.4	0.8	0.4	0.4	0.8
27.5°	5.9	0.4	0.4	0.4	0.8
30°	3.3	0.4	0.4	0.4	0.8
32.5°	1.7	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.3
40°	0.4	0.4	0.8	1.3	1.3
42.5°	0.4	0.4	0.8	1.3	1.7
45°	0.4	0.8	1.3	1.7	2.1
47.5°	0.8	0.8	1.7	2.1	2.5
50°	0.8	1.3	1.7	2.5	2.5
52.5°	0.8	1.3	2.1	2.5	2.9
55°	0.8	1.7	2.1	2.9	2.9
57.5°	1.3	1.7	2.1	2.9	2.9
60°	1.3	1.7	2.1	2.9	2.9
62.5°	1.3	1.7	2.1	2.9	2.9
65°	1.3	1.7	2.1	2.9	2.9
67.5°	1.3	1.7	2.1	2.5	2.9
70°	1.3	1.7	2.1	2.5	2.5
72.5°	1.7	1.7	2.1	2.5	2.5
75°	1.3	1.7	1.7	2.1	2.1
77.5°	1.3	1.3	1.3	1.7	1.7
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	0.8	0.8	1.3	1.3
85°	1.3	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)