

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: P1339352

Luminaire Tested: P3A05R459030D2WDE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R459030D2WDE010 E3A301WMH
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

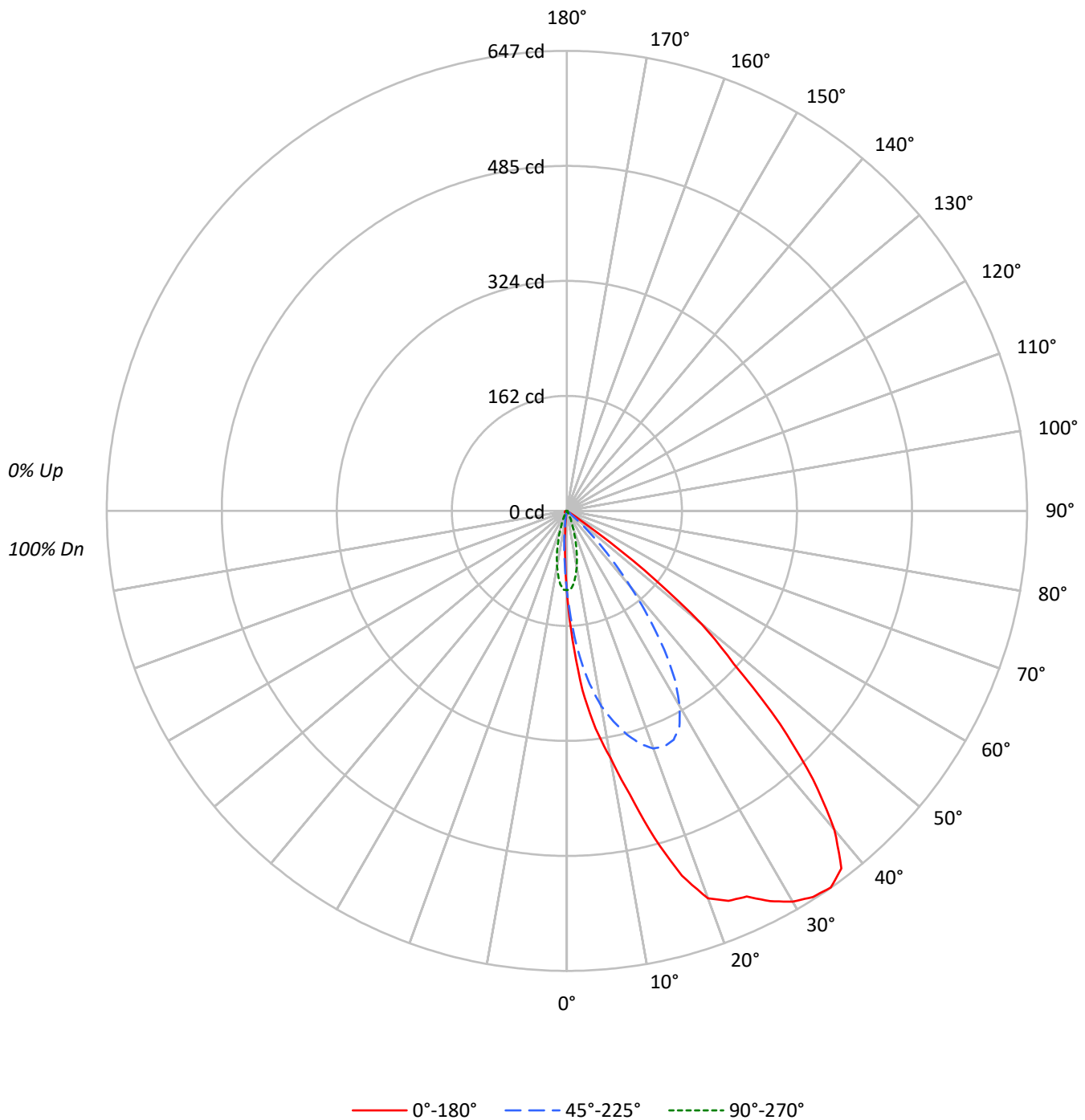
Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1339352

CATALOG NUMBER: P3A05R459030D2WDE010 E3A301WMH

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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	57	52	62	56	51	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	47	43	51	46	42	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°	24450	24450	24450	24450	24450
5°	55712	45190	22870	9179	6251
10°	78511	62101	17679	2026	935
15°	108196	73871	11283	658	568
20°	135298	82981	5881	467	467
25°	144783	85916	2734	363	411
30°	160683	80215	1241	380	430
35°	173117	63952	402	402	535
40°	167514	39617	200	487	630
45°	131549	18700	217	620	775
50°	84500	2183	341	751	989
55°	12845	191	382	956	1223
60°	219	219	439	1096	1272
65°	259	259	519	1141	1505
70°	321	321	641	1282	1731
75°	169	424	847	1440	1864
80°	253	631	884	1515	2147
85°	0	503	1258	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 131549 cd/sqm

TEST NUMBER: P1339352

CATALOG NUMBER: P3A05R459030D2WDE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	4.2
10°-20°	44.1	15.1
20°-30°	77.5	26.5
30°-40°	88.0	30.0
40°-50°	57.0	19.5
50°-60°	11.2	3.8
60°-70°	1.4	0.5
70°-80°	1.1	0.4
80°-90°	0.5	0.2
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°	133.8	45.7
0°-40°	221.8	75.7
0°-60°	290.0	99.0
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	112	112	112	112	112	
5°	253	205	104	42	28	27
15°	477	325	50	3	2	137
25°	598	355	11	2	2	280
35°	647	239	2	2	2	398
45°	424	60	1	2	2	320
55°	34	0	1	2	3	64
65°	0	0	1	2	3	0
75°	0	0	1	2	2	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1339352

CATALOG NUMBER: P3A05R459030D2WDE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5
2.5°	181.1	180.6	181.3	176.4	176.2	172.5	171.5	167.4	161.7	159.0	152.7
5°	253.1	250.7	250.7	244.8	242.8	238.7	231.6	222.7	215.4	205.3	194.6
7.5°	308.7	308.3	308.3	303.1	298.2	292.3	282.8	272.7	261.0	245.5	229.8
10°	352.6	353.3	351.1	346.5	339.4	333.0	321.7	309.5	295.0	278.9	258.0
12.5°	408.0	402.6	400.9	390.3	381.3	369.0	355.6	341.6	323.7	303.4	279.8
15°	476.6	469.7	462.9	448.9	433.7	414.8	393.8	373.2	350.2	325.4	296.0
17.5°	537.9	537.9	528.8	506.7	487.1	459.2	430.8	403.3	376.1	343.5	306.8
20°	579.8	577.6	570.7	554.5	532.2	500.6	463.6	425.1	392.3	355.6	312.9
22.5°	593.5	593.0	593.2	583.7	565.8	533.0	487.6	442.3	401.1	358.5	310.0
25°	598.4	599.4	601.8	598.1	584.7	551.8	502.3	450.4	403.8	355.1	298.7
27.5°	618.7	616.8	619.5	617.0	601.8	562.6	505.3	448.4	397.9	342.6	278.6
30°	634.6	634.2	638.8	636.6	616.8	569.5	502.6	441.1	383.5	316.8	247.0
32.5°	643.7	644.0	645.2	636.1	606.7	554.5	489.3	426.1	356.3	283.3	205.8
35°	646.7	645.2	638.3	616.0	575.8	520.0	456.8	390.6	319.3	238.9	162.7
37.5°	633.9	626.3	608.7	575.3	528.8	476.6	415.1	345.7	268.6	188.7	121.3
40°	585.2	575.1	552.8	518.7	475.4	424.9	361.9	289.4	208.3	138.4	85.3
42.5°	512.1	507.0	483.7	454.1	417.3	366.3	301.4	227.9	154.1	95.6	54.4
45°	424.2	417.5	402.8	376.6	347.7	294.3	233.8	163.2	105.1	60.3	27.0
47.5°	318.1	318.5	308.5	288.7	260.2	215.6	160.0	109.5	65.9	31.1	6.1
50°	247.7	244.3	230.1	209.8	176.7	143.6	103.4	69.1	34.8	6.4	0.5
52.5°	137.2	139.4	131.8	125.2	108.1	85.8	61.0	35.0	7.4	0.7	0.5
55°	33.6	35.5	34.1	34.8	36.0	32.1	24.7	6.9	0.7	0.5	0.5
57.5°	0.7	0.7	0.7	0.7	1.2	1.7	1.7	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	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

TEST NUMBER: P1339352

CATALOG NUMBER: P3A05R459030D2WDE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5
2.5°	149.5	144.8	136.2	110.8	88.9	71.8	61.5	60.5
5°	185.0	172.5	154.4	103.9	65.7	41.7	30.1	28.4
7.5°	213.2	195.5	167.6	92.6	44.8	21.3	11.8	9.8
10°	236.5	211.5	174.5	79.4	28.2	9.1	4.9	4.2
12.5°	252.4	222.2	175.7	64.7	16.2	4.4	3.2	2.9
15°	262.7	225.7	169.8	49.7	9.1	2.9	2.7	2.5
17.5°	266.8	222.7	158.5	36.0	4.9	2.2	2.2	2.2
20°	264.9	213.2	141.9	25.2	3.2	2.0	2.0	2.0
22.5°	255.6	196.8	121.0	16.9	2.2	1.7	1.7	1.7
25°	237.2	174.5	99.0	11.3	1.5	1.5	1.7	1.7
27.5°	209.8	147.0	75.7	7.6	1.2	1.5	1.7	1.7
30°	175.2	116.4	54.4	4.9	1.2	1.5	1.5	1.7
32.5°	139.2	84.8	35.8	2.9	1.0	1.5	1.7	2.0
35°	101.0	57.8	22.8	1.5	1.2	1.5	1.7	2.0
37.5°	70.8	37.7	13.2	1.0	1.2	1.5	2.0	2.0
40°	46.1	21.1	4.9	0.7	1.2	1.7	2.0	2.2
42.5°	24.0	7.4	1.0	0.7	1.2	1.7	2.2	2.5
45°	6.1	1.0	0.2	0.7	1.5	2.0	2.5	2.5
47.5°	0.7	0.2	0.2	1.0	1.5	2.2	2.5	2.7
50°	0.2	0.5	0.5	1.0	1.5	2.2	2.7	2.9
52.5°	0.5	0.5	0.5	1.0	1.7	2.2	2.9	3.2
55°	0.5	0.5	0.5	1.0	1.7	2.5	2.9	3.2
57.5°	0.5	0.5	0.5	1.0	1.7	2.5	2.9	2.9
60°	0.5	0.5	0.5	1.0	1.7	2.5	2.9	2.9
62.5°	0.5	0.5	0.7	1.0	1.7	2.2	2.9	2.9
65°	0.5	0.7	0.7	1.0	1.7	2.2	2.7	2.9
67.5°	0.5	0.5	0.7	1.0	1.7	2.2	2.7	2.9
70°	0.5	0.5	0.7	1.0	1.5	2.0	2.5	2.7
72.5°	0.5	0.5	0.7	1.0	1.5	2.0	2.2	2.5
75°	0.5	0.5	0.7	1.0	1.2	1.7	2.2	2.2
77.5°	0.5	0.5	0.7	0.7	1.2	1.5	2.0	2.0
80°	0.5	0.5	0.7	0.7	1.0	1.2	1.5	1.7
82.5°	0.5	0.5	0.5	0.7	0.7	1.0	1.2	1.2
85°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7
87.5°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)