

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: P#

Luminaire Tested: P3ART17R709835DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R709835DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

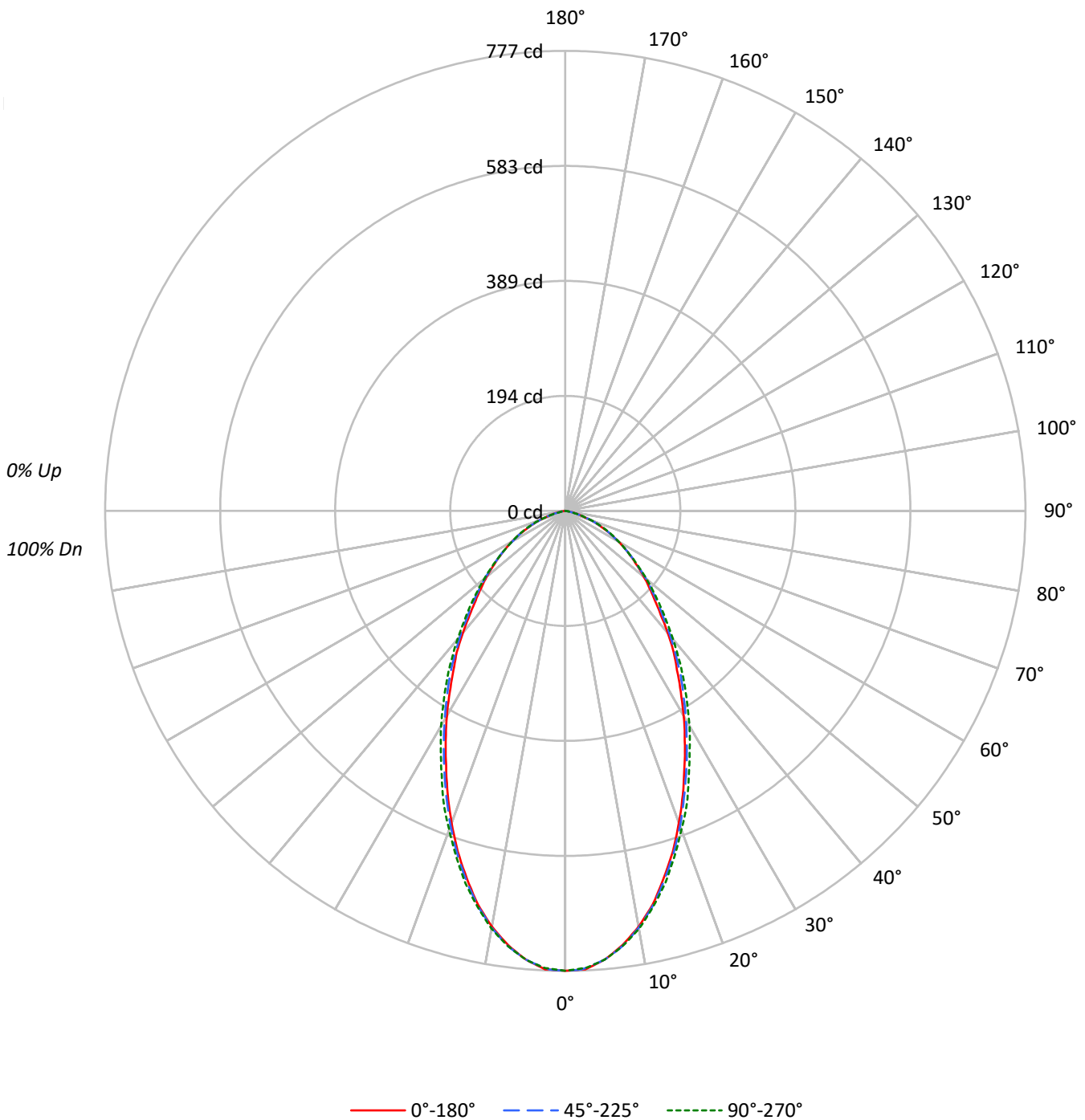
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1082.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P#
CATALOG NUMBER: P3ART17R709835DE010 E3CLDWW1MMS

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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	170337	170337	170337
5°	167488	167488	167488
10°	158781	159182	159583
15°	145812	146630	147833
20°	130888	132148	133782
25°	115168	116886	119450
30°	101256	103054	106194
35°	88098	90962	93318
40°	77001	79005	81038
45°	66394	68596	70240
50°	59154	60382	60962
55°	52108	52758	52758
60°	45786	44996	45786
65°	37669	38551	39485
70°	29492	29492	30646
75°	19486	17961	17961
80°	11113	8966	6693
85°	4529	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 70240 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	6.6
10°-20°	180.4	16.7
20°-30°	222.5	20.6
30°-40°	212.0	19.6
40°-50°	171.5	15.9
50°-60°	123.5	11.4
60°-70°	74.0	6.8
70°-80°	24.8	2.3
80°-90°	2.1	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°	474.1	43.8
0°-40°	686.1	63.4
0°-60°	981.1	90.7
0°-90°	1082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	777	777	777	777	777	
5°	761	761	761	761	761	71
15°	642	644	646	648	651	179
25°	476	479	483	491	494	219
35°	329	332	340	346	349	207
45°	214	217	221	225	226	167
55°	136	136	138	138	138	123
65°	73	74	74	76	76	73
75°	23	23	21	21	21	26
85°	2	2	0	0	0	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	776.8	776.8	776.8	776.8	776.8	776.8	776.8	776.8	776.8	776.8	776.8
2°	775.1	775.1	775.1	775.1	775.1	775.1	775.1	775.1	775.1	775.1	773.3
2.5°	775.1	773.3	773.3	773.3	773.3	773.3	773.3	773.3	773.3	775.1	773.3
5°	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9	762.7	760.9	760.9
7.5°	739.7	739.7	739.7	739.7	741.4	741.4	741.4	741.4	743.2	743.2	741.4
10°	713.1	713.1	713.1	713.1	714.9	714.9	716.7	714.9	714.9	716.7	716.7
12.5°	681.3	679.5	679.5	679.5	681.3	683.0	683.0	683.0	684.8	684.8	684.8
15°	642.3	642.3	642.3	644.1	644.1	645.9	647.6	647.6	649.4	649.4	651.2
17.5°	603.4	603.4	601.6	603.4	605.2	607.0	608.7	610.5	612.3	612.3	612.3
20°	560.9	559.2	560.9	562.7	564.5	566.3	568.0	571.6	573.3	573.3	573.3
22.5°	518.5	516.7	518.5	520.2	522.0	523.8	529.1	530.9	532.6	532.6	536.2
25°	476.0	476.0	477.8	479.5	481.3	483.1	486.6	490.2	491.9	493.7	493.7
27.5°	437.1	437.1	437.1	437.1	440.6	444.2	447.7	451.2	453.0	454.8	454.8
30°	399.9	398.1	398.1	399.9	403.5	407.0	410.5	414.1	415.8	417.6	419.4
32.5°	362.8	362.8	362.8	364.5	366.3	371.6	375.1	376.9	380.4	382.2	382.2
35°	329.1	329.1	329.1	332.7	336.2	339.8	341.5	345.1	348.6	348.6	348.6
37.5°	300.8	302.6	306.1	304.4	304.4	306.1	307.9	311.4	315.0	315.0	315.0
40°	269.0	270.7	272.5	270.7	272.5	276.0	277.8	279.6	281.4	283.1	283.1
42.5°	238.9	238.9	238.9	240.7	244.2	246.0	249.5	251.3	253.0	253.0	253.0
45°	214.1	214.1	215.9	217.7	219.4	221.2	223.0	224.7	226.5	226.5	226.5
47.5°	192.9	192.9	194.6	194.6	196.4	198.2	200.0	200.0	201.7	203.5	201.7
50°	173.4	173.4	173.4	175.2	175.2	177.0	177.0	178.7	178.7	178.7	178.7
52.5°	153.9	153.9	153.9	153.9	155.7	155.7	155.7	157.5	157.5	157.5	157.5
55°	136.3	136.3	136.3	136.3	136.3	138.0	138.0	138.0	138.0	138.0	138.0
57.5°	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3
60°	104.4	104.4	104.4	104.4	104.4	102.6	104.4	104.4	104.4	104.4	104.4
62.5°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	90.2	90.2	90.2	90.2
65°	72.6	74.3	74.3	74.3	74.3	74.3	74.3	76.1	76.1	76.1	76.1
67.5°	58.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	61.9	61.9	61.9
70°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	47.8
72.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	33.6	33.6	33.6
75°	23.0	23.0	23.0	23.0	21.2	21.2	21.2	21.2	21.2	21.2	21.2
77.5°	15.9	15.9	15.9	14.2	14.2	12.4	12.4	12.4	12.4	12.4	10.6
80°	8.8	8.8	8.8	8.8	8.8	7.1	7.1	5.3	5.3	5.3	5.3
82.5°	5.3	5.3	5.3	3.5	3.5	3.5	3.5	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)