

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: P1445948

Luminaire Tested: P3ART17R709035DE010 E3CLDWW1MB

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445948
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: P3ART17R709035DE010 E3CLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

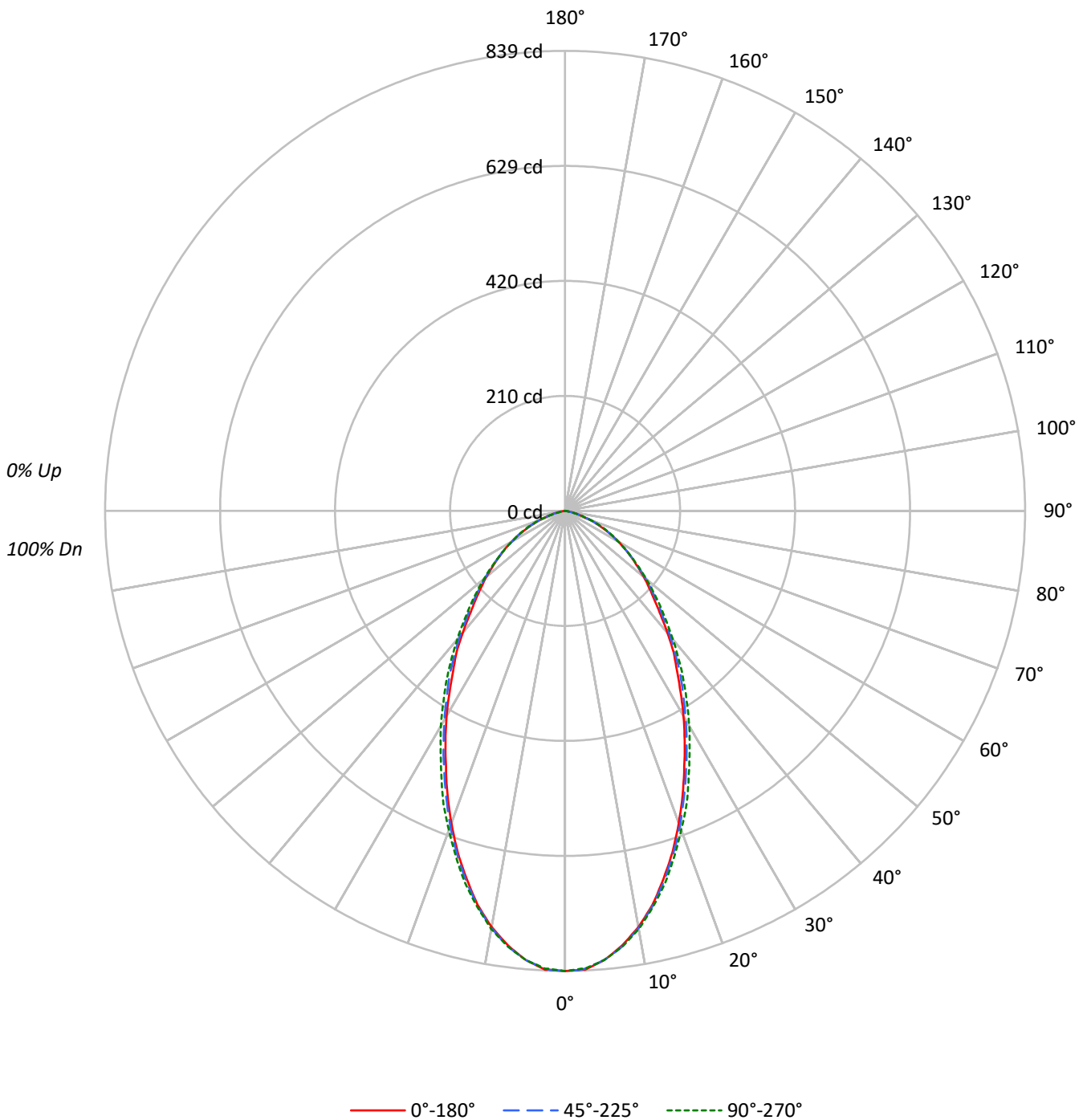
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1169.0 lumens
Efficiency: N/A
Efficacy: 55.1 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): 21.2
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	184042	184042	184042
5°	180959	180959	180959
10°	171562	171985	172408
15°	157549	158412	159706
20°	141412	142766	144539
25°	124435	126273	129056
30°	109409	111334	114727
35°	95191	98270	100813
40°	83184	85360	87564
45°	71728	74116	75884
50°	63930	65226	65874
55°	56275	57002	57002
60°	49470	48636	49470
65°	40679	41665	42650
70°	31864	31864	33083
75°	21096	19402	19402
80°	12123	9597	7198
85°	4780	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 75884 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	6.6
10°-20°	194.9	16.7
20°-30°	240.4	20.6
30°-40°	229.1	19.6
40°-50°	185.3	15.9
50°-60°	133.5	11.4
60°-70°	79.9	6.8
70°-80°	26.8	2.3
80°-90°	2.3	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°	512.2	43.8
0°-40°	741.2	63.4
0°-60°	1060.0	90.7
0°-90°	1169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	822	822	822	823	822	77
15°	694	695	698	700	704	194
25°	514	518	522	530	533	237
35°	356	358	367	374	377	223
45°	231	235	239	243	245	180
55°	147	147	149	149	149	133
65°	78	80	80	82	82	79
75°	25	25	23	23	23	28
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°	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3
2°	837.4	837.4	837.4	837.4	837.4	837.4	837.4	837.4	837.4	837.4	835.5
2.5°	837.4	835.5	835.5	835.5	835.5	835.5	835.5	835.5	835.5	837.4	835.5
5°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	824.0	822.1	822.1
7.5°	799.1	799.1	799.1	799.1	801.1	801.1	801.1	801.1	803.0	803.0	801.1
10°	770.5	770.5	770.5	770.5	772.4	772.4	774.3	772.4	772.4	774.3	774.3
12.5°	736.0	734.1	734.1	734.1	736.0	738.0	738.0	738.0	739.9	739.9	739.9
15°	694.0	694.0	694.0	695.9	695.9	697.8	699.7	699.7	701.6	701.6	703.5
17.5°	651.9	651.9	650.0	651.9	653.8	655.8	657.7	659.6	661.5	661.5	661.5
20°	606.0	604.1	606.0	608.0	609.9	611.8	613.7	617.5	619.4	619.4	619.4
22.5°	560.2	558.3	560.2	562.1	564.0	565.9	571.6	573.5	575.5	575.5	579.3
25°	514.3	514.3	516.2	518.1	520.0	521.9	525.7	529.6	531.5	533.4	533.4
27.5°	472.2	472.2	472.2	472.2	476.0	479.9	483.7	487.5	489.4	491.3	491.3
30°	432.1	430.2	430.2	432.1	435.9	439.7	443.5	447.4	449.3	451.2	453.1
32.5°	391.9	391.9	391.9	393.8	395.7	401.5	405.3	407.2	411.0	413.0	413.0
35°	355.6	355.6	355.6	359.4	363.2	367.1	369.0	372.8	376.6	376.6	376.6
37.5°	325.0	326.9	330.7	328.8	328.8	330.7	332.7	336.5	340.3	340.3	340.3
40°	290.6	292.5	294.4	292.5	294.4	298.2	300.2	302.1	304.0	305.9	305.9
42.5°	258.1	258.1	258.1	260.0	263.8	265.7	269.6	271.5	273.4	273.4	273.4
45°	231.3	231.3	233.2	235.2	237.1	239.0	240.9	242.8	244.7	244.7	244.7
47.5°	208.4	208.4	210.3	210.3	212.2	214.1	216.0	216.0	217.9	219.9	217.9
50°	187.4	187.4	187.4	189.3	189.3	191.2	191.2	193.1	193.1	193.1	193.1
52.5°	166.3	166.3	166.3	166.3	168.2	168.2	168.2	170.2	170.2	170.2	170.2
55°	147.2	147.2	147.2	147.2	147.2	149.1	149.1	149.1	149.1	149.1	149.1
57.5°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
60°	112.8	112.8	112.8	112.8	112.8	110.9	112.8	112.8	112.8	112.8	112.8
62.5°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	97.5	97.5	97.5	97.5
65°	78.4	80.3	80.3	80.3	80.3	80.3	80.3	82.2	82.2	82.2	82.2
67.5°	63.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	66.9	66.9	66.9
70°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	51.6
72.5°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	36.3	36.3	36.3
75°	24.9	24.9	24.9	24.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
77.5°	17.2	17.2	17.2	15.3	15.3	13.4	13.4	13.4	13.4	13.4	11.5
80°	9.6	9.6	9.6	9.6	9.6	7.6	7.6	5.7	5.7	5.7	5.7
82.5°	5.7	5.7	5.7	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	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)