

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: P3ART24R709027D010 E3CLDWW1MB

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: P3ART24R709027D010 E3CLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

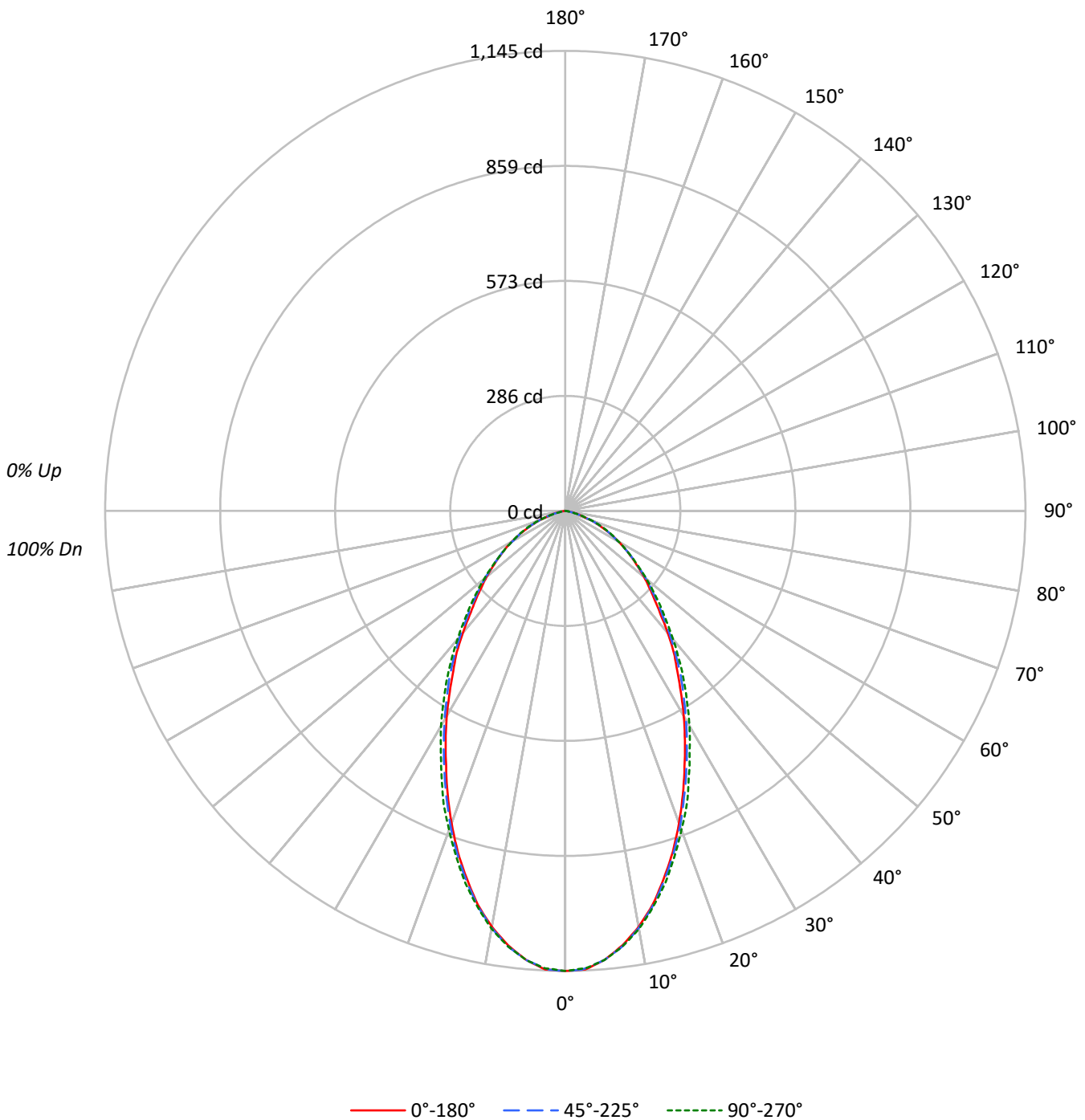
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1595.0 lumens
Efficiency: N/A
Efficacy: 55.4 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): 28.8
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: P3ART24R709027D010 E3CLDWW1MB

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709027D010 E3CLDWW1MB

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°	251098	251098	251098
5°	246907	246907	246907
10°	234064	234643	235222
15°	214962	216142	217913
20°	192960	194780	197230
25°	169776	172292	176091
30°	149263	151922	156530
35°	129884	134060	137567
40°	113498	116475	119481
45°	97871	101127	103546
50°	87195	89003	89890
55°	76805	77799	77799
60°	67495	66354	67495
65°	55466	56867	58216
70°	43469	43469	45136
75°	28721	26518	26518
80°	16416	13133	9850
85°	6542	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 103546 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709027D010 E3CLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	6.6
10°-20°	265.9	16.7
20°-30°	328.0	20.6
30°-40°	312.5	19.6
40°-50°	252.8	15.9
50°-60°	182.1	11.4
60°-70°	109.0	6.8
70°-80°	36.5	2.3
80°-90°	3.1	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°	698.8	43.8
0°-40°	1011.4	63.4
0°-60°	1446.3	90.7
0°-90°	1595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1122	1122	1122	1122	1122	105
15°	947	949	952	955	960	265
25°	702	706	712	723	728	323
35°	485	489	501	510	514	305
45°	316	320	326	332	334	246
55°	201	201	204	204	204	181
65°	107	110	110	112	112	107
75°	34	34	31	31	31	38
85°	3	3	0	0	0	5
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709027D010 E3CLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1	1145.1
2°	1142.5	1142.5	1142.5	1142.5	1142.5	1142.5	1142.5	1142.5	1142.5	1142.5	1139.9
2.5°	1142.5	1139.9	1139.9	1139.9	1139.9	1139.9	1139.9	1139.9	1139.9	1142.5	1139.9
5°	1121.7	1121.7	1121.7	1121.7	1121.7	1121.7	1121.7	1121.7	1124.3	1121.7	1121.7
7.5°	1090.4	1090.4	1090.4	1090.4	1093.0	1093.0	1093.0	1093.0	1095.6	1095.6	1093.0
10°	1051.2	1051.2	1051.2	1051.2	1053.8	1053.8	1056.4	1053.8	1053.8	1056.4	1056.4
12.5°	1004.3	1001.7	1001.7	1001.7	1004.3	1006.9	1006.9	1006.9	1009.5	1009.5	1009.5
15°	946.9	946.9	946.9	949.5	949.5	952.1	954.7	954.7	957.3	957.3	959.9
17.5°	889.5	889.5	886.9	889.5	892.1	894.7	897.3	899.9	902.5	902.5	902.5
20°	826.9	824.3	826.9	829.5	832.1	834.7	837.3	842.5	845.2	845.2	845.2
22.5°	764.3	761.7	764.3	766.9	769.5	772.1	779.9	782.6	785.2	785.2	790.4
25°	701.7	701.7	704.3	706.9	709.5	712.1	717.3	722.6	725.2	727.8	727.8
27.5°	644.3	644.3	644.3	644.3	649.5	654.7	660.0	665.2	667.8	670.4	670.4
30°	589.5	586.9	586.9	589.5	594.7	600.0	605.2	610.4	613.0	615.6	618.2
32.5°	534.7	534.7	534.7	537.4	540.0	547.8	553.0	555.6	560.8	563.4	563.4
35°	485.2	485.2	485.2	490.4	495.6	500.8	503.4	508.7	513.9	513.9	513.9
37.5°	443.4	446.1	451.3	448.7	448.7	451.3	453.9	459.1	464.3	464.3	464.3
40°	396.5	399.1	401.7	399.1	401.7	406.9	409.5	412.1	414.8	417.4	417.4
42.5°	352.1	352.1	352.1	354.8	360.0	362.6	367.8	370.4	373.0	373.0	373.0
45°	315.6	315.6	318.2	320.8	323.5	326.1	328.7	331.3	333.9	333.9	333.9
47.5°	284.3	284.3	286.9	286.9	289.5	292.2	294.8	294.8	297.4	300.0	297.4
50°	255.6	255.6	255.6	258.2	258.2	260.9	260.9	263.5	263.5	263.5	263.5
52.5°	226.9	226.9	226.9	226.9	229.5	229.5	229.5	232.2	232.2	232.2	232.2
55°	200.9	200.9	200.9	200.9	200.9	203.5	203.5	203.5	203.5	203.5	203.5
57.5°	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4
60°	153.9	153.9	153.9	153.9	153.9	151.3	153.9	153.9	153.9	153.9	153.9
62.5°	130.4	130.4	130.4	130.4	130.4	130.4	130.4	133.0	133.0	133.0	133.0
65°	106.9	109.6	109.6	109.6	109.6	109.6	109.6	112.2	112.2	112.2	112.2
67.5°	86.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	91.3	91.3	91.3
70°	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	70.4
72.5°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	49.6	49.6	49.6
75°	33.9	33.9	33.9	33.9	31.3	31.3	31.3	31.3	31.3	31.3	31.3
77.5°	23.5	23.5	23.5	20.9	20.9	18.3	18.3	18.3	18.3	18.3	15.7
80°	13.0	13.0	13.0	13.0	13.0	10.4	10.4	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	5.2	5.2	5.2	5.2	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	2.6	2.6	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)