

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: P3ART24R709035D010 E3CLDWW1MW

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: P3ART24R709035D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

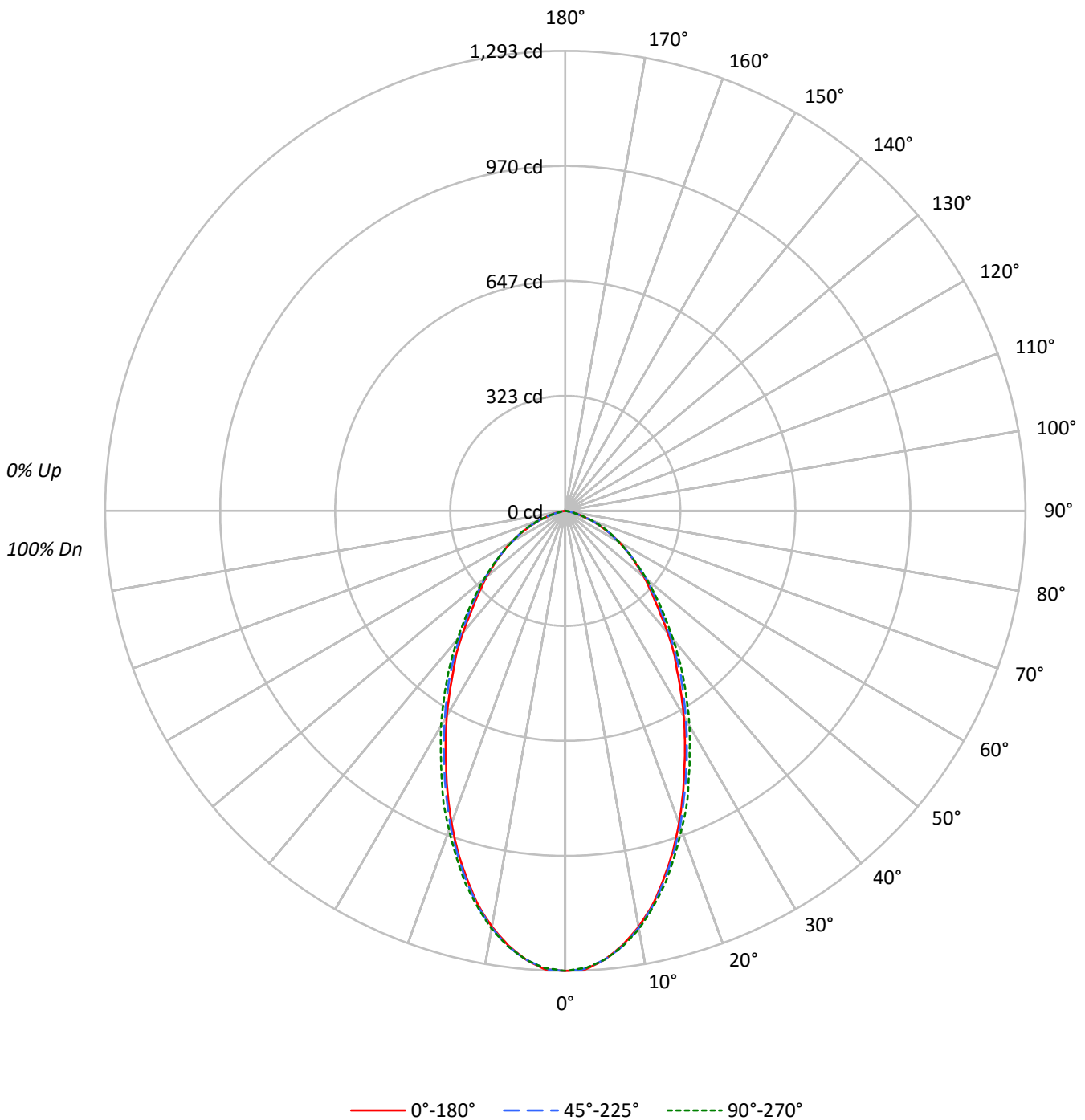
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1801.0 lumens
Efficiency: N/A
Efficacy: 62.5 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

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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	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°	283530	283530	283530
5°	278780	278780	278780
10°	264301	264947	265615
15°	242726	244065	246063
20°	217882	219936	222689
25°	191697	194552	198834
30°	168558	171520	176761
35°	146642	151380	155315
40°	128154	131532	134910
45°	110523	114182	116911
50°	98487	100466	101489
55°	86707	87815	87815
60°	76222	74906	76222
65°	62679	64183	65740
70°	49111	49111	50970
75°	32449	29907	29907
80°	18563	14901	11113
85°	7296	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 116911 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	6.6
10°-20°	300.3	16.7
20°-30°	370.3	20.6
30°-40°	352.9	19.6
40°-50°	285.5	15.9
50°-60°	205.6	11.4
60°-70°	123.1	6.8
70°-80°	41.2	2.3
80°-90°	3.5	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°	789.1	43.8
0°-40°	1142.0	63.4
0°-60°	1633.1	90.7
0°-90°	1801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1293	1293	1293	1293	1293	
5°	1266	1266	1266	1267	1266	118
15°	1069	1071	1075	1079	1084	299
25°	792	797	804	817	822	365
35°	548	552	566	576	580	344
45°	356	362	368	375	377	278
55°	227	227	230	230	230	204
65°	121	124	124	127	127	121
75°	38	38	35	35	35	43
85°	3	3	0	0	0	5
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°	1293.0	1293.0	1293.0	1293.0	1293.0	1293.0	1293.0	1293.0	1293.0	1293.0	1293.0
2°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1287.1
2.5°	1290.1	1287.1	1287.1	1287.1	1287.1	1287.1	1287.1	1287.1	1287.1	1290.1	1287.1
5°	1266.5	1266.5	1266.5	1266.5	1266.5	1266.5	1266.5	1266.5	1269.5	1266.5	1266.5
7.5°	1231.2	1231.2	1231.2	1231.2	1234.1	1234.1	1234.1	1234.1	1237.1	1237.1	1234.1
10°	1187.0	1187.0	1187.0	1187.0	1189.9	1189.9	1192.9	1189.9	1189.9	1192.9	1192.9
12.5°	1134.0	1131.0	1131.0	1131.0	1134.0	1136.9	1136.9	1136.9	1139.9	1139.9	1139.9
15°	1069.2	1069.2	1069.2	1072.1	1072.1	1075.1	1078.0	1078.0	1081.0	1081.0	1083.9
17.5°	1004.4	1004.4	1001.4	1004.4	1007.3	1010.3	1013.2	1016.2	1019.1	1019.1	1019.1
20°	933.7	930.7	933.7	936.6	939.6	942.5	945.5	951.4	954.3	954.3	954.3
22.5°	863.0	860.1	863.0	866.0	868.9	871.8	880.7	883.6	886.6	886.6	892.5
25°	792.3	792.3	795.3	798.2	801.2	804.1	810.0	815.9	818.8	821.8	821.8
27.5°	727.5	727.5	727.5	727.5	733.4	739.3	745.2	751.1	754.0	757.0	757.0
30°	665.7	662.7	662.7	665.7	671.6	677.4	683.3	689.2	692.2	695.1	698.1
32.5°	603.8	603.8	603.8	606.8	609.7	618.5	624.4	627.4	633.3	636.2	636.2
35°	547.8	547.8	547.8	553.7	559.6	565.5	568.5	574.4	580.2	580.2	580.2
37.5°	500.7	503.7	509.6	506.6	506.6	509.6	512.5	518.4	524.3	524.3	524.3
40°	447.7	450.6	453.6	450.6	453.6	459.5	462.4	465.4	468.3	471.3	471.3
42.5°	397.6	397.6	397.6	400.6	406.5	409.4	415.3	418.2	421.2	421.2	421.2
45°	356.4	356.4	359.3	362.3	365.2	368.2	371.1	374.1	377.0	377.0	377.0
47.5°	321.0	321.0	324.0	324.0	326.9	329.9	332.8	332.8	335.8	338.7	335.8
50°	288.7	288.7	288.7	291.6	291.6	294.5	294.5	297.5	297.5	297.5	297.5
52.5°	256.3	256.3	256.3	256.3	259.2	259.2	259.2	262.1	262.1	262.1	262.1
55°	226.8	226.8	226.8	226.8	226.8	229.7	229.7	229.7	229.7	229.7	229.7
57.5°	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3
60°	173.8	173.8	173.8	173.8	173.8	170.8	173.8	173.8	173.8	173.8	173.8
62.5°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	150.2	150.2	150.2	150.2
65°	120.8	123.7	123.7	123.7	123.7	123.7	123.7	126.7	126.7	126.7	126.7
67.5°	97.2	100.1	100.1	100.1	100.1	100.1	100.1	100.1	103.1	103.1	103.1
70°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	79.5
72.5°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	56.0	56.0	56.0
75°	38.3	38.3	38.3	38.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
77.5°	26.5	26.5	26.5	23.6	23.6	20.6	20.6	20.6	20.6	20.6	17.7
80°	14.7	14.7	14.7	14.7	14.7	11.8	11.8	8.8	8.8	8.8	8.8
82.5°	8.8	8.8	8.8	5.9	5.9	5.9	5.9	2.9	2.9	2.9	2.9
85°	2.9	2.9	2.9	2.9	2.9	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)