

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: P3ART24R709040D010 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: P3ART24R709040D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

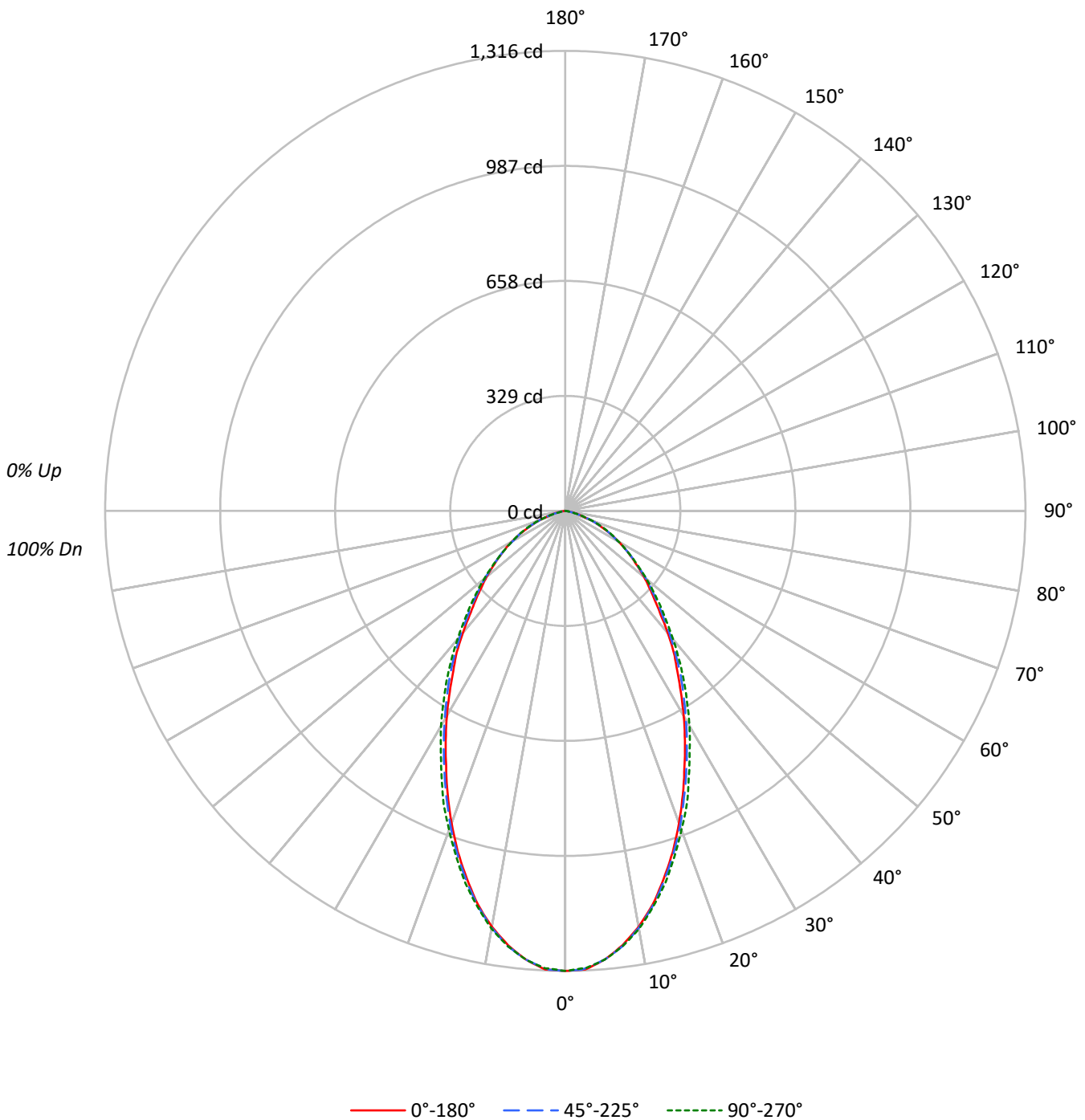
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1833.0 lumens
Efficiency: N/A
Efficacy: 63.6 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°	288573	288573	288573
5°	283732	283732	283732
10°	269000	269668	270336
15°	247039	248401	250444
20°	221756	223856	226656
25°	195108	198011	202367
30°	171545	174584	179901
35°	149265	154084	158099
40°	130444	133851	137286
45°	112477	116198	118989
50°	100227	102274	103297
55°	88236	89383	89383
60°	77582	76266	77582
65°	63768	65325	66881
70°	49944	49944	51868
75°	33042	30500	30500
80°	18942	15153	11365
85°	7548	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 118989 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	6.6
10°-20°	305.6	16.7
20°-30°	376.9	20.6
30°-40°	359.2	19.6
40°-50°	290.6	15.9
50°-60°	209.3	11.4
60°-70°	125.3	6.8
70°-80°	42.0	2.3
80°-90°	3.6	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°	803.1	43.8
0°-40°	1162.3	63.4
0°-60°	1662.1	90.7
0°-90°	1833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1289	1289	1289	1290	1289	120
15°	1088	1090	1094	1098	1103	304
25°	806	812	818	831	836	371
35°	558	562	576	586	591	350
45°	363	368	375	381	384	283
55°	231	231	234	234	234	208
65°	123	126	126	129	129	123
75°	39	39	36	36	36	44
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°	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0
2°	1313.0	1313.0	1313.0	1313.0	1313.0	1313.0	1313.0	1313.0	1313.0	1313.0	1310.0
2.5°	1313.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1313.0	1310.0
5°	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1289.0	1292.0	1289.0	1289.0
7.5°	1253.1	1253.1	1253.1	1253.1	1256.1	1256.1	1256.1	1256.1	1259.1	1259.1	1256.1
10°	1208.1	1208.1	1208.1	1208.1	1211.1	1211.1	1214.1	1211.1	1211.1	1214.1	1214.1
12.5°	1154.1	1151.1	1151.1	1151.1	1154.1	1157.1	1157.1	1157.1	1160.1	1160.1	1160.1
15°	1088.2	1088.2	1088.2	1091.2	1091.2	1094.2	1097.2	1097.2	1100.2	1100.2	1103.2
17.5°	1022.2	1022.2	1019.2	1022.2	1025.2	1028.2	1031.2	1034.2	1037.2	1037.2	1037.2
20°	950.3	947.3	950.3	953.3	956.3	959.3	962.3	968.3	971.3	971.3	971.3
22.5°	878.3	875.3	878.3	881.3	884.3	887.3	896.3	899.3	902.3	902.3	908.3
25°	806.4	806.4	809.4	812.4	815.4	818.4	824.4	830.4	833.4	836.4	836.4
27.5°	740.4	740.4	740.4	740.4	746.4	752.4	758.4	764.4	767.4	770.4	770.4
30°	677.5	674.5	674.5	677.5	683.5	689.5	695.5	701.5	704.5	707.5	710.5
32.5°	614.5	614.5	614.5	617.5	620.5	629.5	635.5	638.5	644.5	647.5	647.5
35°	557.6	557.6	557.6	563.6	569.6	575.6	578.6	584.6	590.6	590.6	590.6
37.5°	509.6	512.6	518.6	515.6	515.6	518.6	521.6	527.6	533.6	533.6	533.6
40°	455.7	458.7	461.7	458.7	461.7	467.6	470.6	473.6	476.6	479.6	479.6
42.5°	404.7	404.7	404.7	407.7	413.7	416.7	422.7	425.7	428.7	428.7	428.7
45°	362.7	362.7	365.7	368.7	371.7	374.7	377.7	380.7	383.7	383.7	383.7
47.5°	326.8	326.8	329.8	329.8	332.7	335.7	338.7	338.7	341.7	344.7	341.7
50°	293.8	293.8	293.8	296.8	296.8	299.8	299.8	302.8	302.8	302.8	302.8
52.5°	260.8	260.8	260.8	260.8	263.8	263.8	263.8	266.8	266.8	266.8	266.8
55°	230.8	230.8	230.8	230.8	230.8	233.8	233.8	233.8	233.8	233.8	233.8
57.5°	203.8	203.8	203.8	203.8	203.8	203.8	203.8	203.8	203.8	203.8	203.8
60°	176.9	176.9	176.9	176.9	176.9	173.9	176.9	176.9	176.9	176.9	176.9
62.5°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	152.9	152.9	152.9	152.9
65°	122.9	125.9	125.9	125.9	125.9	125.9	125.9	128.9	128.9	128.9	128.9
67.5°	98.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	104.9	104.9	104.9
70°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	80.9
72.5°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	57.0	57.0	57.0
75°	39.0	39.0	39.0	39.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
77.5°	27.0	27.0	27.0	24.0	24.0	21.0	21.0	21.0	21.0	21.0	18.0
80°	15.0	15.0	15.0	15.0	15.0	12.0	12.0	9.0	9.0	9.0	9.0
82.5°	9.0	9.0	9.0	6.0	6.0	6.0	6.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	3.0	3.0	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)