

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: P3ART20R709835D010 E3LDWW1MW

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: P3ART20R709835D010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

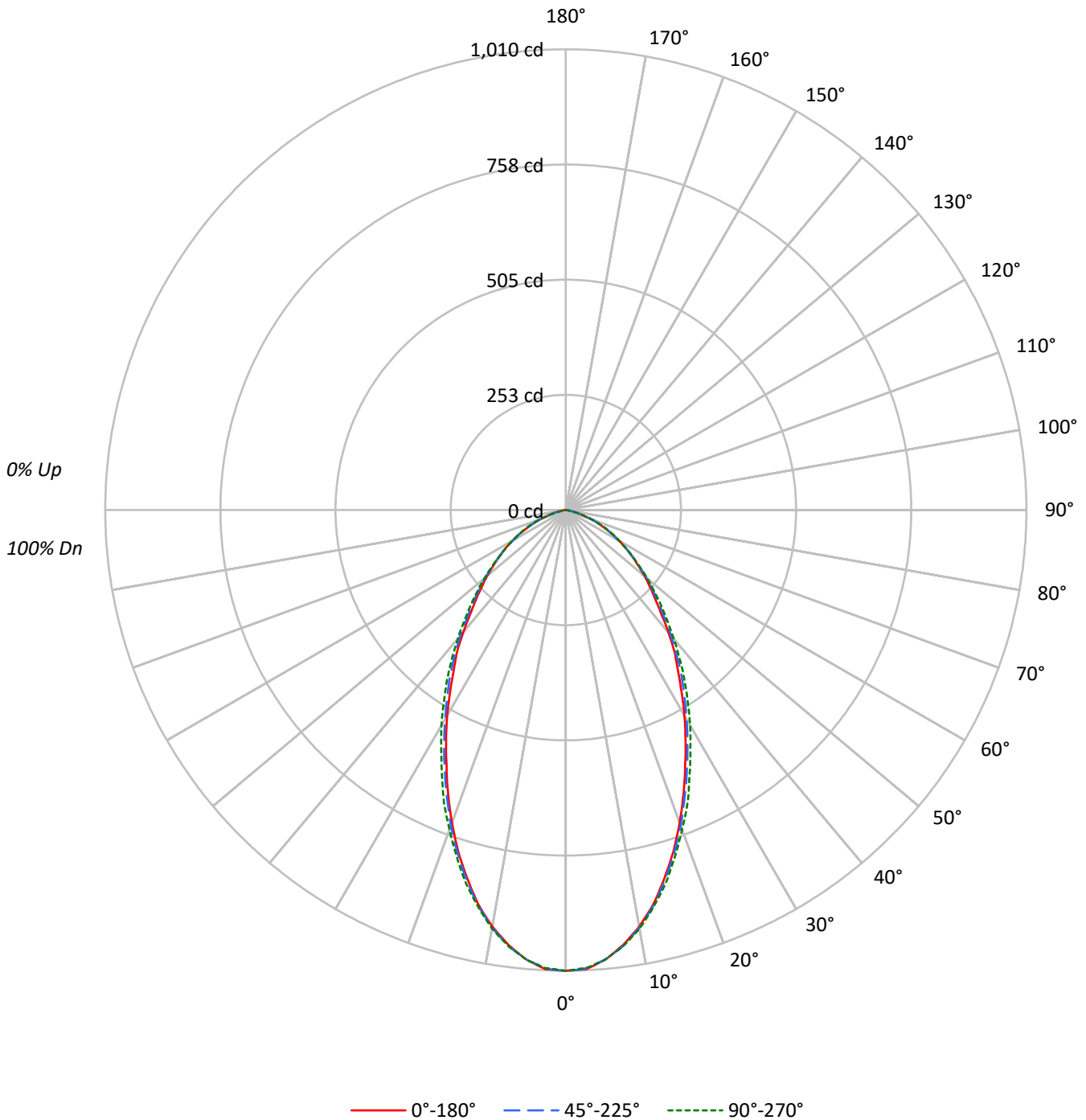
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1407.0 lumens
Efficiency: N/A
Efficacy: 51.3 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): 27.4
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: P3ART20R709835D010 E3LDWW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709835D010 E3LDWW1MW

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°	221517	221517	221517
5°	217807	217807	217807
10°	206476	206988	207500
15°	189627	190671	192237
20°	170208	171818	173965
25°	149767	151993	155332
30°	131666	133995	138072
35°	114572	118266	121345
40°	100130	102764	105397
45°	86335	89188	91327
50°	76927	78496	79281
55°	67744	68624	68624
60°	59557	58548	59557
65°	48929	50122	51315
70°	38340	38340	39814
75°	25332	23384	23384
80°	14522	11618	8713
85°	5787	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 91327 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709835D010 E3LDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	6.6
10°-20°	234.6	16.7
20°-30°	289.3	20.6
30°-40°	275.7	19.6
40°-50°	223.0	15.9
50°-60°	160.7	11.4
60°-70°	96.2	6.8
70°-80°	32.2	2.3
80°-90°	2.7	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°	616.5	43.8
0°-40°	892.1	63.4
0°-60°	1275.9	90.7
0°-90°	1407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	990	990	990	990	990	92
15°	835	837	840	843	847	233
25°	619	623	628	638	642	285
35°	428	431	442	450	453	269
45°	278	282	288	293	294	217
55°	177	177	180	180	180	160
65°	94	97	97	99	99	95
75°	30	30	28	28	28	34
85°	2	2	0	0	0	4
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709835D010 E3LDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2
2°	1007.9	1007.9	1007.9	1007.9	1007.9	1007.9	1007.9	1007.9	1007.9	1007.9	1005.6
2.5°	1007.9	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1007.9	1005.6
5°	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	991.8	989.5	989.5
7.5°	961.8	961.8	961.8	961.8	964.1	964.1	964.1	964.1	966.4	966.4	964.1
10°	927.3	927.3	927.3	927.3	929.6	929.6	931.9	929.6	929.6	931.9	931.9
12.5°	885.9	883.6	883.6	883.6	885.9	888.2	888.2	888.2	890.5	890.5	890.5
15°	835.3	835.3	835.3	837.6	837.6	839.9	842.2	842.2	844.5	844.5	846.8
17.5°	784.7	784.7	782.4	784.7	787.0	789.3	791.6	793.9	796.2	796.2	796.2
20°	729.4	727.1	729.4	731.7	734.0	736.3	738.6	743.2	745.5	745.5	745.5
22.5°	674.2	671.9	674.2	676.5	678.8	681.1	688.0	690.3	692.6	692.6	697.2
25°	619.0	619.0	621.3	623.6	625.9	628.2	632.8	637.4	639.7	642.0	642.0
27.5°	568.4	568.4	568.4	568.4	573.0	577.6	582.2	586.8	589.1	591.4	591.4
30°	520.0	517.7	517.7	520.0	524.6	529.2	533.8	538.4	540.7	543.0	545.3
32.5°	471.7	471.7	471.7	474.0	476.3	483.2	487.8	490.1	494.7	497.0	497.0
35°	428.0	428.0	428.0	432.6	437.2	441.8	444.1	448.7	453.3	453.3	453.3
37.5°	391.2	393.5	398.1	395.8	395.8	398.1	400.4	405.0	409.6	409.6	409.6
40°	349.8	352.1	354.4	352.1	354.4	359.0	361.3	363.6	365.9	368.2	368.2
42.5°	310.6	310.6	310.6	312.9	317.5	319.8	324.4	326.7	329.1	329.1	329.1
45°	278.4	278.4	280.7	283.0	285.3	287.6	289.9	292.2	294.5	294.5	294.5
47.5°	250.8	250.8	253.1	253.1	255.4	257.7	260.0	260.0	262.3	264.6	262.3
50°	225.5	225.5	225.5	227.8	227.8	230.1	230.1	232.4	232.4	232.4	232.4
52.5°	200.2	200.2	200.2	200.2	202.5	202.5	202.5	204.8	204.8	204.8	204.8
55°	177.2	177.2	177.2	177.2	177.2	179.5	179.5	179.5	179.5	179.5	179.5
57.5°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
60°	135.8	135.8	135.8	135.8	135.8	133.5	135.8	135.8	135.8	135.8	135.8
62.5°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	117.4	117.4	117.4	117.4
65°	94.3	96.6	96.6	96.6	96.6	96.6	96.6	98.9	98.9	98.9	98.9
67.5°	75.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	80.5	80.5	80.5
70°	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	62.1
72.5°	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	43.7	43.7	43.7
75°	29.9	29.9	29.9	29.9	27.6	27.6	27.6	27.6	27.6	27.6	27.6
77.5°	20.7	20.7	20.7	18.4	18.4	16.1	16.1	16.1	16.1	16.1	13.8
80°	11.5	11.5	11.5	11.5	11.5	9.2	9.2	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	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)