

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: P3ART20R709735D010 E3LDWW1WMH

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: P3ART20R709735D010 E3LDWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LDWW1WMH TRIM
Light Source: -
Ballast/Driver: -

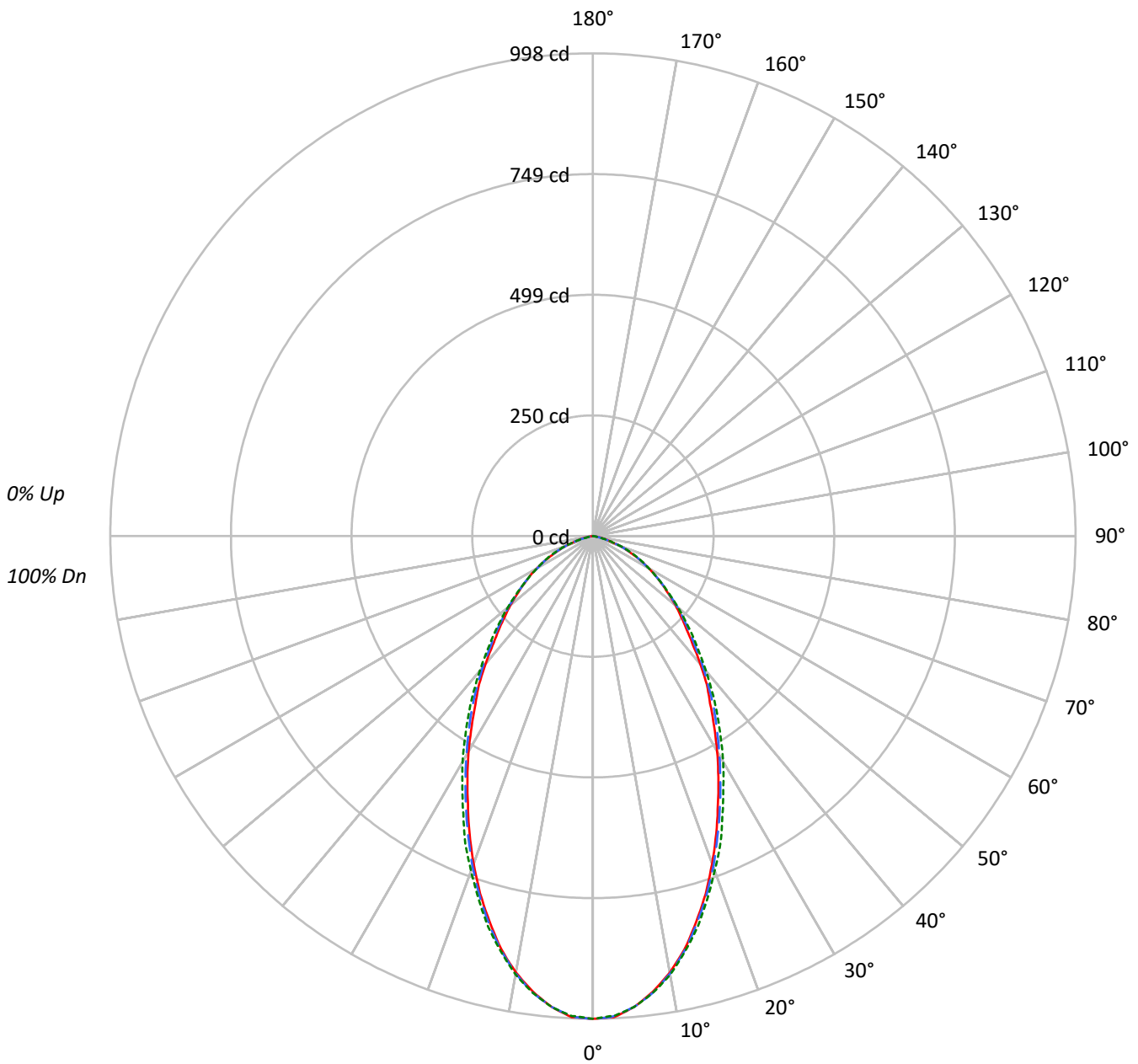
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1390.0 lumens
Efficiency: N/A
Efficacy: 48.3 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): 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: P3ART20R709735D010 E3LDWW1WMH

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709735D010 E3LDWW1WMH

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	89	
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218842	218842	218842
5°	215166	215166	215166
10°	203982	204494	205006
15°	187334	188355	189922
20°	168155	169741	171865
25°	147952	150154	153444
30°	130096	132375	136426
35°	113180	116848	119873
40°	98900	101504	104109
45°	85311	88133	90242
50°	76006	77541	78326
55°	66903	67783	67783
60°	58811	57802	58811
65°	48358	49551	50693
70°	37891	37891	39366
75°	25078	23130	23130
80°	14396	11491	8587
85°	5787	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 90242 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709735D010 E3LDWW1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	6.6
10°-20°	231.7	16.7
20°-30°	285.8	20.6
30°-40°	272.4	19.6
40°-50°	220.4	15.9
50°-60°	158.7	11.4
60°-70°	95.0	6.8
70°-80°	31.8	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°	609.0	43.8
0°-40°	881.4	63.4
0°-60°	1260.4	90.7
0°-90°	1390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	978	978	978	978	978	91
15°	825	827	830	833	837	231
25°	612	615	621	630	634	281
35°	423	426	436	444	448	266
45°	275	279	284	289	291	214
55°	175	175	177	177	177	158
65°	93	96	96	98	98	93
75°	30	30	27	27	27	33
85°	2	2	0	0	0	4
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709735D010 E3LDWW1WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0
2°	995.7	995.7	995.7	995.7	995.7	995.7	995.7	995.7	995.7	995.7	993.4
2.5°	995.7	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	995.7	993.4
5°	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	979.8	977.5	977.5
7.5°	950.2	950.2	950.2	950.2	952.5	952.5	952.5	952.5	954.8	954.8	952.5
10°	916.1	916.1	916.1	916.1	918.4	918.4	920.7	918.4	918.4	920.7	920.7
12.5°	875.2	872.9	872.9	872.9	875.2	877.5	877.5	877.5	879.7	879.7	879.7
15°	825.2	825.2	825.2	827.5	827.5	829.7	832.0	832.0	834.3	834.3	836.6
17.5°	775.2	775.2	772.9	775.2	777.5	779.7	782.0	784.3	786.5	786.5	786.5
20°	720.6	718.3	720.6	722.9	725.2	727.4	729.7	734.3	736.5	736.5	736.5
22.5°	666.1	663.8	666.1	668.3	670.6	672.9	679.7	682.0	684.2	684.2	688.8
25°	611.5	611.5	613.8	616.0	618.3	620.6	625.1	629.7	632.0	634.2	634.2
27.5°	561.5	561.5	561.5	561.5	566.0	570.6	575.1	579.7	582.0	584.2	584.2
30°	513.8	511.5	511.5	513.8	518.3	522.8	527.4	531.9	534.2	536.5	538.8
32.5°	466.0	466.0	466.0	468.3	470.6	477.4	481.9	484.2	488.7	491.0	491.0
35°	422.8	422.8	422.8	427.4	431.9	436.5	438.7	443.3	447.8	447.8	447.8
37.5°	386.5	388.7	393.3	391.0	391.0	393.3	395.5	400.1	404.6	404.6	404.6
40°	345.5	347.8	350.1	347.8	350.1	354.6	356.9	359.2	361.4	363.7	363.7
42.5°	306.9	306.9	306.9	309.2	313.7	316.0	320.5	322.8	325.1	325.1	325.1
45°	275.1	275.1	277.3	279.6	281.9	284.2	286.4	288.7	291.0	291.0	291.0
47.5°	247.8	247.8	250.1	250.1	252.3	254.6	256.9	256.9	259.2	261.4	259.2
50°	222.8	222.8	222.8	225.1	225.1	227.3	227.3	229.6	229.6	229.6	229.6
52.5°	197.8	197.8	197.8	197.8	200.0	200.0	200.0	202.3	202.3	202.3	202.3
55°	175.0	175.0	175.0	175.0	175.0	177.3	177.3	177.3	177.3	177.3	177.3
57.5°	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6
60°	134.1	134.1	134.1	134.1	134.1	131.8	134.1	134.1	134.1	134.1	134.1
62.5°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	115.9	115.9	115.9	115.9
65°	93.2	95.5	95.5	95.5	95.5	95.5	95.5	97.7	97.7	97.7	97.7
67.5°	75.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	79.6	79.6	79.6
70°	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	61.4
72.5°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	43.2	43.2	43.2
75°	29.6	29.6	29.6	29.6	27.3	27.3	27.3	27.3	27.3	27.3	27.3
77.5°	20.5	20.5	20.5	18.2	18.2	15.9	15.9	15.9	15.9	15.9	13.6
80°	11.4	11.4	11.4	11.4	11.4	9.1	9.1	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	4.5	4.5	4.5	4.5	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)