

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: P3ART20R709027D010 E3LCWW1WMH

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART20R709027D010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

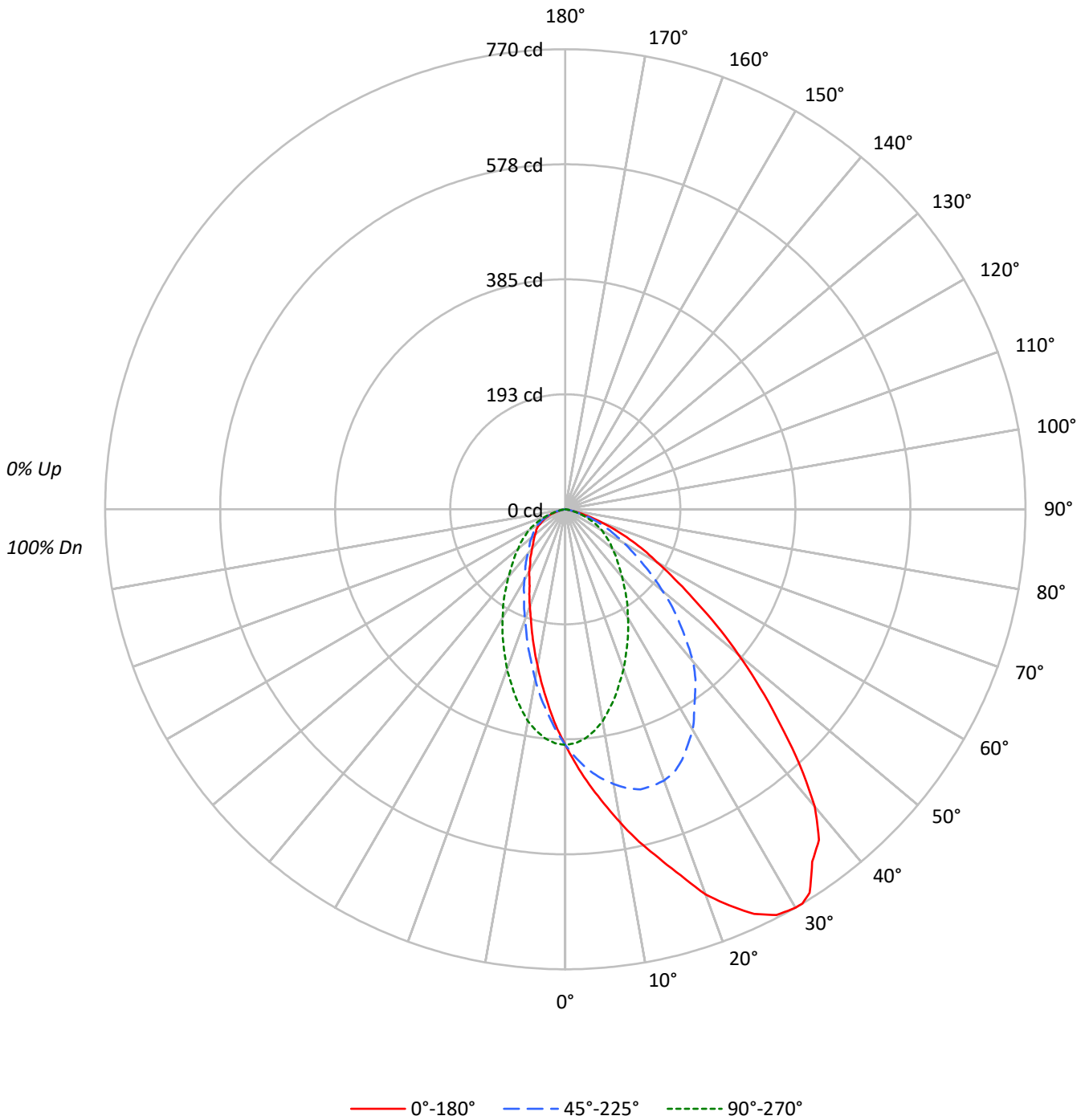
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 802.0 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
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: P3ART20R709027D010 E3LCWW1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709027D010 E3LCWW1WMH

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	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34		
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	86440	86440	86440	86440	86440
5°	101827	96302	84768	75236	72221
10°	118724	104006	80159	64439	59362
15°	137095	110194	73462	54325	48627
20°	160057	112733	66459	45737	40417
25°	180833	111926	59544	39147	34187
30°	195017	107890	53071	34613	30587
35°	192765	101268	47569	31106	27438
40°	185891	95236	42394	28053	24789
45°	157598	84102	38175	26142	23320
50°	129053	72288	34967	24869	22549
55°	100202	60098	33108	24391	22632
60°	77932	49952	30962	23989	21007
65°	61485	41405	27188	22467	20080
70°	42379	30710	21927	18978	17503
75°	21266	17368	15420	13556	11607
80°	2904	5809	8587	5809	2904
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 157598 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709027D010 E3LCWW1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	4.6
10°-20°	102.7	12.8
20°-30°	151.4	18.9
30°-40°	169.7	21.2
40°-50°	149.2	18.6
50°-60°	106.8	13.3
60°-70°	63.2	7.9
70°-80°	21.2	2.6
80°-90°	1.0	0.1
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°	290.9	36.3
0°-40°	460.6	57.4
0°-60°	716.6	89.3
0°-90°	802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	802.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	394	394	394	394	394	
5°	463	438	385	342	328	46
15°	604	485	324	239	214	174
25°	747	463	246	162	141	344
35°	720	378	178	116	102	452
45°	508	271	123	84	75	393
55°	262	157	87	64	59	240
65°	118	80	52	43	39	118
75°	25	20	18	16	14	31
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709027D010 E3LCWW1WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	428.4	428.4	428.4	423.8	423.8	417.0	412.4	405.6	401.1	394.2	391.9
5°	462.6	462.6	458.0	453.5	446.6	437.5	426.1	414.7	401.1	389.7	385.1
7.5°	496.8	499.0	492.2	483.1	469.4	453.5	437.5	419.3	398.8	382.8	373.7
10°	533.2	533.2	524.1	510.4	489.9	467.1	442.1	417.0	391.9	369.2	360.0
12.5°	569.7	567.4	556.0	535.5	510.4	478.5	444.3	412.4	382.8	355.5	341.8
15°	603.9	603.9	587.9	562.8	526.4	485.4	444.3	403.3	369.2	337.2	323.6
17.5°	642.6	642.6	622.1	583.3	537.8	485.4	437.5	391.9	353.2	319.0	303.1
20°	685.9	683.6	654.0	601.6	542.3	483.1	428.4	378.3	335.0	298.5	284.8
22.5°	717.8	715.5	681.3	617.5	544.6	476.3	412.4	360.0	316.7	280.3	264.3
25°	747.4	742.9	704.1	624.4	540.1	462.6	396.5	339.5	298.5	262.1	246.1
27.5°	765.6	763.4	720.1	622.1	528.7	444.3	376.0	321.3	278.0	241.5	227.9
30°	770.2	772.5	720.1	610.7	510.4	426.1	355.5	300.8	257.5	225.6	209.6
31°	770.2	772.5	715.5	603.9	503.6	417.0	346.4	294.0	248.4	216.5	202.8
32.5°	761.1	756.5	708.7	592.5	487.6	401.1	335.0	282.6	237.0	205.1	193.7
35°	720.1	722.4	685.9	567.4	464.9	378.3	312.2	259.8	216.5	189.1	177.7
37.5°	697.3	697.3	631.2	533.2	439.8	357.8	284.8	234.7	198.2	173.2	161.8
40°	649.4	642.6	581.1	496.8	410.2	332.7	268.9	218.8	182.3	157.2	148.1
42.5°	581.1	574.2	526.4	464.9	371.4	300.8	255.2	193.7	164.1	143.6	134.4
45°	508.2	503.6	467.1	410.2	335.0	271.2	221.0	177.7	150.4	129.9	123.1
47.5°	442.1	435.2	407.9	364.6	303.1	243.8	191.4	159.5	134.4	118.5	113.9
50°	378.3	376.0	353.2	319.0	268.9	211.9	168.6	141.3	123.1	109.4	102.5
52.5°	319.0	314.5	303.1	275.7	234.7	184.6	148.1	125.3	109.4	100.3	95.7
55°	262.1	262.1	250.7	232.4	200.5	157.2	129.9	111.7	98.0	91.1	86.6
57.5°	216.5	216.5	207.4	196.0	166.3	134.4	113.9	98.0	88.9	82.0	77.5
60°	177.7	177.7	170.9	159.5	139.0	113.9	98.0	86.6	79.8	72.9	70.6
62.5°	148.1	145.8	141.3	129.9	113.9	95.7	84.3	75.2	68.4	63.8	61.5
65°	118.5	116.2	111.7	102.5	91.1	79.8	70.6	63.8	59.2	54.7	52.4
67.5°	91.1	91.1	86.6	79.8	70.6	63.8	57.0	52.4	47.9	45.6	43.3
70°	66.1	66.1	63.8	59.2	52.4	47.9	43.3	41.0	38.7	36.5	34.2
72.5°	45.6	45.6	43.3	41.0	36.5	34.2	29.6	29.6	27.3	27.3	25.1
75°	25.1	25.1	25.1	22.8	22.8	20.5	20.5	20.5	18.2	18.2	18.2
77.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
80°	2.3	2.3	2.3	2.3	4.6	4.6	4.6	4.6	6.8	6.8	6.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709027D010 E3LCWW1WMH

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	389.7	382.8	378.3	376.0	369.2	366.9	364.6	362.3	362.3	362.3
5°	380.5	369.2	357.8	350.9	341.8	337.2	332.7	330.4	328.1	328.1
7.5°	364.6	350.9	337.2	325.9	316.7	307.6	303.1	298.5	298.5	296.2
10°	348.6	330.4	314.5	298.5	289.4	278.0	273.4	268.9	266.6	266.6
12.5°	330.4	307.6	289.4	275.7	262.1	252.9	246.1	241.5	239.3	239.3
15°	309.9	287.1	266.6	252.9	239.3	227.9	221.0	216.5	214.2	214.2
17.5°	289.4	266.6	243.8	230.1	216.5	205.1	200.5	196.0	193.7	191.4
20°	271.2	243.8	225.6	207.4	196.0	186.9	180.0	175.5	173.2	173.2
22.5°	250.7	225.6	205.1	191.4	180.0	170.9	161.8	159.5	157.2	157.2
25°	230.1	207.4	189.1	175.5	161.8	155.0	148.1	143.6	143.6	141.3
27.5°	214.2	191.4	173.2	159.5	150.4	141.3	136.7	132.2	129.9	129.9
30°	196.0	175.5	159.5	148.1	136.7	129.9	125.3	120.8	120.8	120.8
31°	191.4	170.9	155.0	141.3	132.2	125.3	120.8	118.5	116.2	116.2
32.5°	180.0	161.8	145.8	134.4	125.3	118.5	113.9	111.7	111.7	109.4
35°	166.3	148.1	134.4	123.1	116.2	109.4	104.8	102.5	102.5	102.5
37.5°	152.7	136.7	123.1	113.9	107.1	100.3	98.0	93.4	93.4	93.4
40°	139.0	125.3	113.9	104.8	98.0	93.4	91.1	88.9	86.6	86.6
42.5°	127.6	113.9	104.8	98.0	91.1	86.6	84.3	82.0	82.0	79.8
45°	116.2	104.8	98.0	91.1	84.3	82.0	79.8	77.5	75.2	75.2
47.5°	107.1	98.0	88.9	84.3	79.8	75.2	72.9	72.9	70.6	70.6
50°	98.0	88.9	82.0	77.5	72.9	70.6	68.4	68.4	66.1	66.1
52.5°	91.1	82.0	77.5	72.9	68.4	66.1	63.8	63.8	61.5	61.5
55°	82.0	75.2	70.6	68.4	63.8	61.5	59.2	57.0	57.0	59.2
57.5°	75.2	70.6	66.1	63.8	59.2	57.0	54.7	54.7	52.4	54.7
60°	68.4	63.8	59.2	57.0	54.7	52.4	50.1	47.9	47.9	47.9
62.5°	61.5	57.0	54.7	50.1	47.9	47.9	45.6	45.6	45.6	43.3
65°	52.4	50.1	47.9	45.6	43.3	41.0	41.0	38.7	38.7	38.7
67.5°	43.3	41.0	38.7	38.7	36.5	34.2	34.2	34.2	34.2	31.9
70°	34.2	31.9	31.9	29.6	29.6	29.6	27.3	27.3	27.3	27.3
72.5°	25.1	25.1	22.8	22.8	22.8	22.8	20.5	20.5	20.5	20.5
75°	18.2	18.2	18.2	16.0	16.0	16.0	13.7	13.7	13.7	13.7
77.5°	11.4	11.4	11.4	11.4	11.4	9.1	9.1	9.1	9.1	9.1
80°	6.8	6.8	6.8	6.8	4.6	4.6	4.6	4.6	4.6	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)