

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P939178

Luminaire Tested: **GALN-SB1C-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3453 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

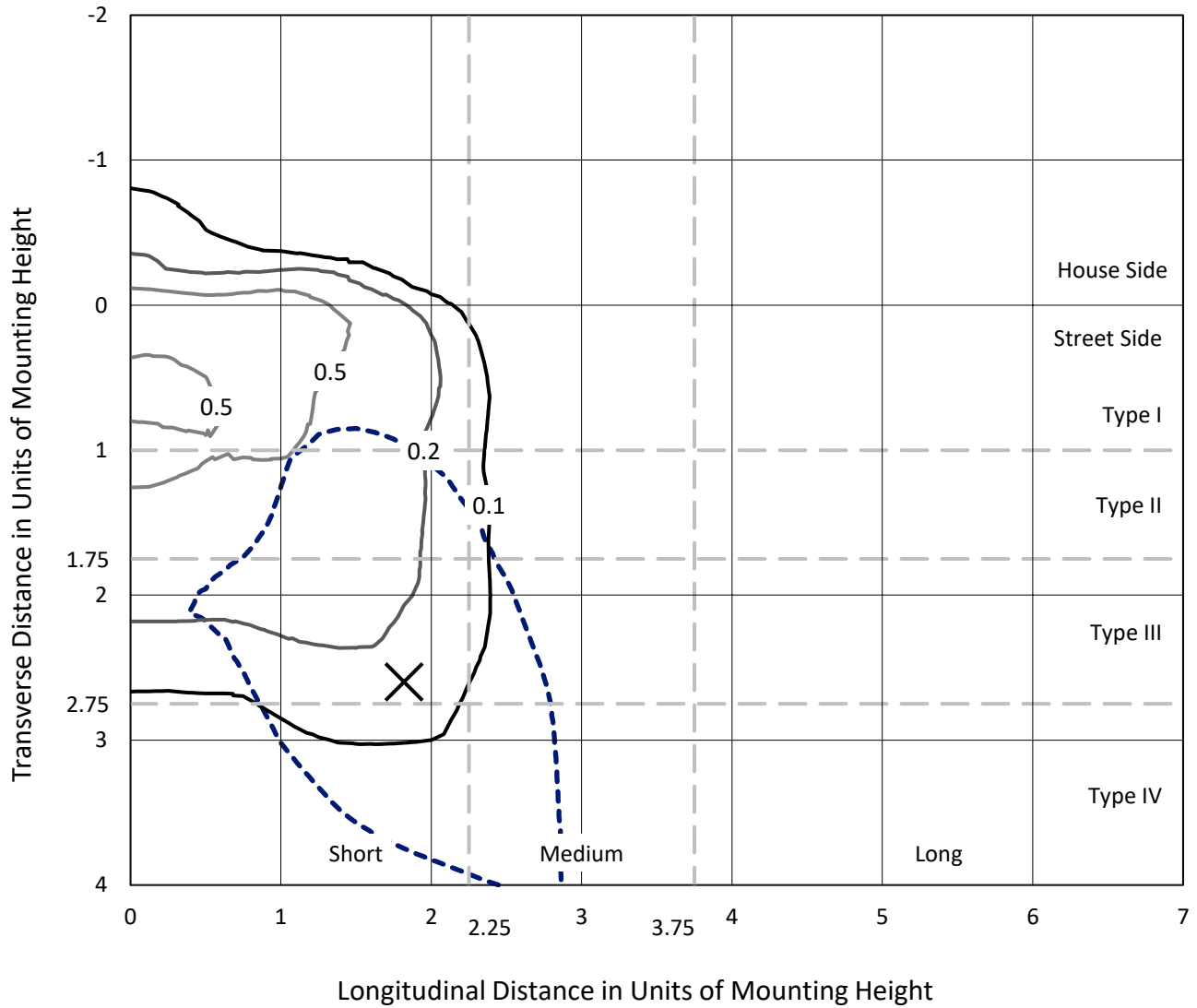
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

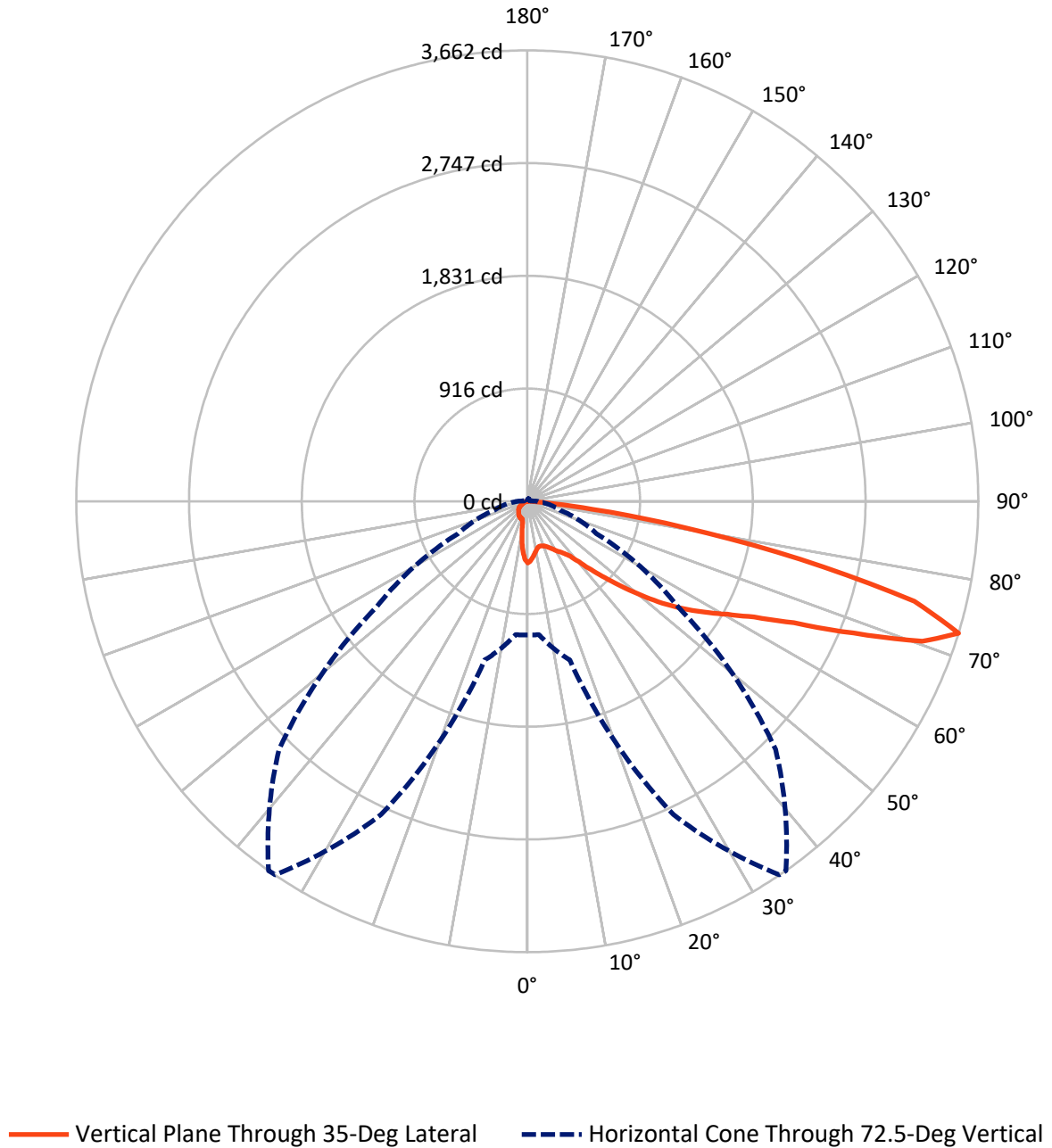
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	388.6	0.0	388.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3064.4	0.0	3064.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	3453.0	0.0	3453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	1.2
10°-20°	96.2	2.8
20°-30°	156.3	4.5
30°-40°	260.8	7.6
40°-50°	493.4	14.3
50°-60°	783.9	22.7
60°-70°	969.8	28.1
70°-80°	602.8	17.5
80°-90°	48.7	1.4
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°-90°	3453.0	100.0
0°-180°	3453.0	100.0

Coefficient of Utilization



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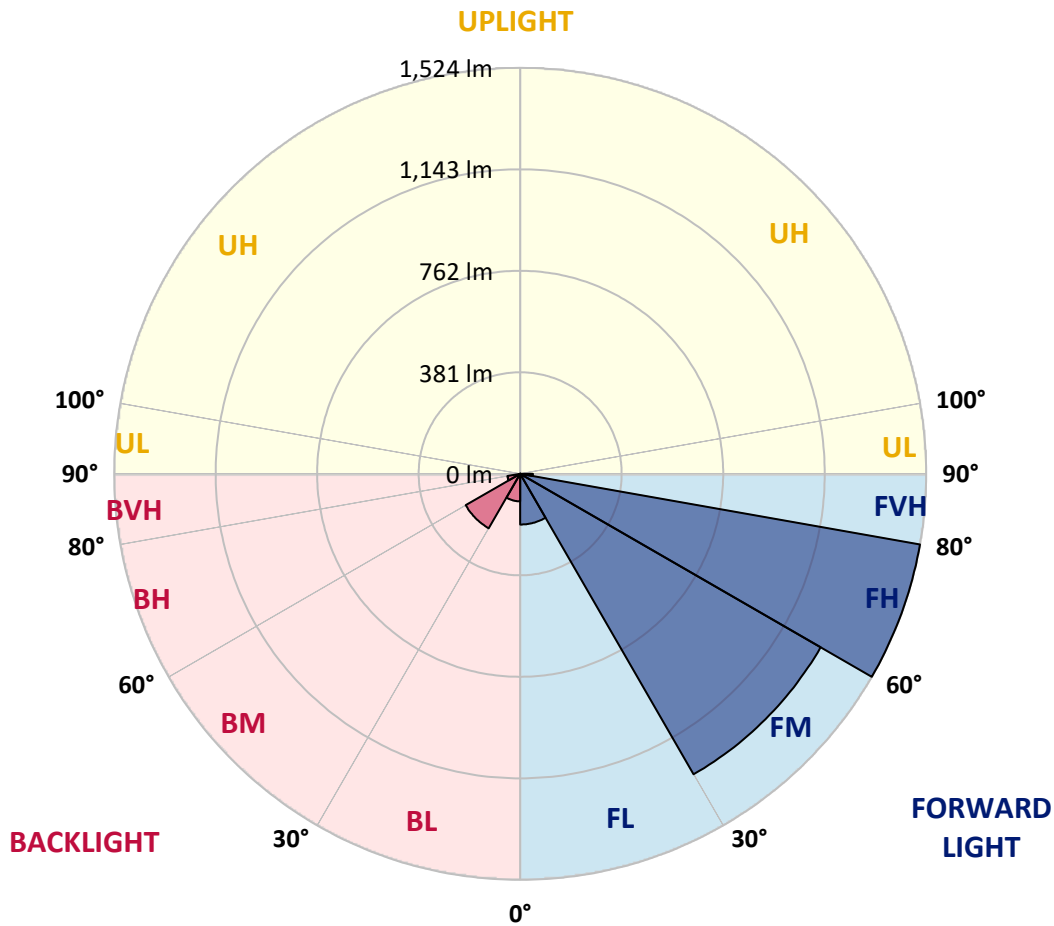
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.4	5.5			
FM (30°-60°)	1302.1	37.7			
FH (60°-80°)	1523.9	44.1			G1/1800
FVH (80°-90°)	48.1	1.4			G1/100
BL (0°-30°)	103.3	3.0	B0/110		
BM (30°-60°)	235.9	6.8	B1/1000		
BH (60°-80°)	48.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5
2.5°	478.2	482.2	483.0	484.3	484.3	485.8	488.3	491.9	497.7	500.7
5°	440.7	443.8	447.6	450.6	456.4	457.2	467.1	476.7	490.1	500.2
7.5°	403.0	406.6	411.6	419.0	426.6	428.9	443.8	460.0	481.2	500.2
10°	376.5	376.7	381.3	388.6	400.8	403.6	421.8	444.8	471.4	497.2
12.5°	361.6	363.3	365.3	370.9	382.6	384.3	403.8	430.9	461.5	495.4
15°	361.6	362.8	364.1	366.9	376.2	377.7	394.9	422.0	456.4	496.2
17.5°	365.3	367.4	366.4	369.6	379.5	380.5	395.7	419.5	456.2	501.0
20°	374.5	376.0	374.0	376.0	385.8	387.9	403.6	424.3	460.5	509.3
22.5°	388.9	389.6	384.8	386.3	396.5	399.0	417.2	438.0	470.9	522.7
25°	407.1	408.6	401.3	403.0	412.7	415.7	436.7	458.5	487.3	541.2
27.5°	428.1	428.9	422.5	422.3	434.7	439.0	460.2	483.8	509.3	564.5
30°	452.1	454.4	448.3	447.3	463.0	466.6	487.6	514.9	541.7	599.4
32.5°	471.1	472.9	469.3	471.9	487.8	490.6	520.7	558.9	592.6	649.0
35°	498.4	499.4	491.3	495.9	514.1	521.2	566.0	620.6	656.6	711.2
37.5°	597.4	597.4	562.9	540.4	557.9	564.2	628.0	698.3	735.5	794.7
40°	734.2	732.0	681.6	635.6	633.3	645.7	716.3	796.2	837.5	894.9
42.5°	880.2	876.7	808.1	762.6	755.0	759.3	818.2	916.9	958.9	1017.1
45°	1009.8	1008.8	946.0	884.8	871.1	884.8	945.5	1058.1	1088.2	1149.4
47.5°	1118.3	1118.3	1072.5	1032.5	1025.5	1033.5	1117.8	1214.7	1211.9	1290.4
50°	1243.3	1242.3	1198.8	1181.6	1188.9	1200.3	1316.2	1379.7	1339.9	1428.8
52.5°	1330.8	1336.9	1322.0	1319.2	1356.6	1376.4	1517.6	1541.1	1454.6	1560.1
55°	1400.2	1407.2	1424.5	1443.9	1516.0	1541.8	1712.6	1694.2	1550.5	1673.9
57.5°	1498.3	1488.2	1514.8	1553.2	1669.9	1701.0	1901.6	1838.6	1627.6	1766.3
60°	1617.5	1619.0	1623.6	1672.1	1823.4	1863.4	2087.8	1975.3	1677.2	1822.9
62.5°	1760.7	1763.0	1772.3	1847.0	2029.7	2067.4	2286.2	2087.1	1700.0	1807.0
65°	1750.8	1760.4	1864.9	2120.2	2343.1	2380.3	2517.7	2165.5	1665.6	1661.3
67.5°	1595.0	1610.7	1785.5	2446.6	2815.8	2857.3	2797.5	2181.0	1517.1	1291.9
70°	1390.5	1396.1	1606.4	2740.1	3363.0	3405.0	3048.0	2011.2	1151.2	720.6
72.5°	1085.9	1087.2	1333.9	2808.2	3660.1	3662.3	2851.4	1493.0	619.1	276.8
75°	775.7	768.1	893.4	2277.4	3220.1	3245.9	2137.7	700.3	236.6	130.8
77.5°	415.9	424.3	505.5	1350.6	2224.5	2268.5	1166.4	201.9	120.4	89.1
80°	128.5	135.6	207.2	618.4	1260.0	1286.6	432.4	89.8	84.0	63.5
82.5°	40.5	42.0	96.7	259.8	523.0	535.1	125.2	50.9	57.4	42.0
85°	11.6	11.9	43.0	96.9	129.3	131.8	35.2	19.7	32.9	26.1
87.5°	1.3	4.0	16.2	16.2	11.4	11.1	3.8	4.3	9.4	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
500.5	0°	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5
502.7	2.5°	501.5	501.7	498.4	492.9	486.8	481.7	475.4	470.3	466.8	465.8
507.3	5°	505.0	503.2	493.9	476.9	456.7	439.2	419.7	404.3	394.2	389.9
512.1	7.5°	510.3	505.3	484.8	451.4	412.7	378.3	343.3	316.3	299.1	290.5
516.6	10°	514.9	504.8	469.6	414.4	355.2	303.1	256.0	223.4	205.2	196.6
522.0	12.5°	519.2	504.5	449.9	370.7	290.5	226.7	182.9	166.7	161.7	159.9
530.6	15°	527.3	505.3	425.1	320.6	225.9	171.3	155.3	155.1	156.1	155.6
543.7	17.5°	538.4	506.0	397.0	267.4	174.3	151.0	150.3	152.6	154.1	153.3
560.2	20°	552.8	509.1	367.1	214.8	149.8	146.0	147.8	149.8	151.0	149.8
582.2	22.5°	573.1	514.4	334.5	172.6	141.9	143.0	144.5	146.7	148.0	146.2
610.3	25°	597.9	522.7	302.3	150.0	138.1	139.4	141.7	144.2	145.7	144.0
645.7	27.5°	630.0	536.1	272.7	145.0	134.3	135.1	138.4	142.2	144.2	141.9
696.0	30°	676.6	558.1	247.2	147.3	132.1	130.3	134.9	140.2	142.4	140.4
764.6	32.5°	738.3	589.3	231.5	150.8	131.1	124.7	129.0	135.9	139.7	138.4
854.2	35°	819.2	636.6	225.4	154.8	130.3	118.9	122.0	129.3	135.9	137.1
967.0	37.5°	917.4	702.4	227.2	156.6	128.0	114.1	115.6	122.0	130.6	134.6
1094.0	40°	1029.0	779.0	237.3	154.8	125.5	110.1	110.3	115.1	122.7	128.8
1230.6	42.5°	1144.1	868.6	256.0	148.3	123.2	106.5	105.8	109.0	114.1	118.4
1367.0	45°	1253.7	960.7	274.5	139.2	120.4	103.0	101.2	102.5	103.5	105.3
1499.8	47.5°	1349.3	1025.5	269.2	130.8	116.6	98.9	95.9	95.4	92.3	92.1
1618.5	50°	1415.3	1039.6	239.1	122.5	111.1	94.4	89.6	86.5	81.2	78.7
1707.3	52.5°	1436.3	983.7	195.3	114.1	102.0	88.3	81.5	76.7	70.1	67.8
1758.4	55°	1408.5	874.2	156.1	104.0	89.3	80.2	72.6	66.3	61.0	58.2
1764.0	57.5°	1340.5	734.7	123.5	92.1	75.9	71.1	63.5	57.2	52.6	49.8
1702.3	60°	1227.6	583.4	97.7	77.9	64.8	61.2	53.4	49.3	45.3	42.0
1542.9	62.5°	1056.3	416.5	76.7	61.7	54.1	50.1	45.5	42.5	37.7	33.1
1256.2	65°	824.3	254.8	59.2	45.3	43.5	41.5	38.7	35.9	30.1	25.6
819.5	67.5°	519.9	120.7	42.3	34.2	34.4	33.4	32.1	29.9	25.6	21.5
367.1	70°	229.0	58.4	27.8	26.1	25.6	25.6	26.6	25.8	21.8	18.0
127.5	72.5°	77.9	31.4	20.7	19.7	18.5	18.2	22.3	21.5	17.5	13.9
63.5	75°	40.7	21.0	15.2	14.2	11.1	13.4	17.7	16.7	12.4	9.1
42.0	77.5°	26.6	14.9	10.4	9.1	6.3	8.9	13.2	11.6	7.3	4.6
27.6	80°	16.7	9.9	6.1	4.3	3.0	4.8	7.1	5.1	2.8	1.0
16.2	82.5°	8.9	5.1	2.3	1.5	1.3	1.5	1.8	1.3	0.5	0.0
8.3	85°	3.5	1.8	0.8	0.5	0.3	0.0	0.5	0.3	0.0	0.0
1.5	87.5°	1.3	0.3	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 O

<u>180°</u>
500.5
467.6
391.4
291.7
196.8
159.4
155.3
153.1
149.5
146.0
143.7
141.9
140.2
138.4
137.1
135.6
130.8
120.2
106.3
91.8
78.9
67.6
58.2
49.3
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32.4
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