

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: P948751

Luminaire Tested: **GALN-SB3C-950-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11946 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

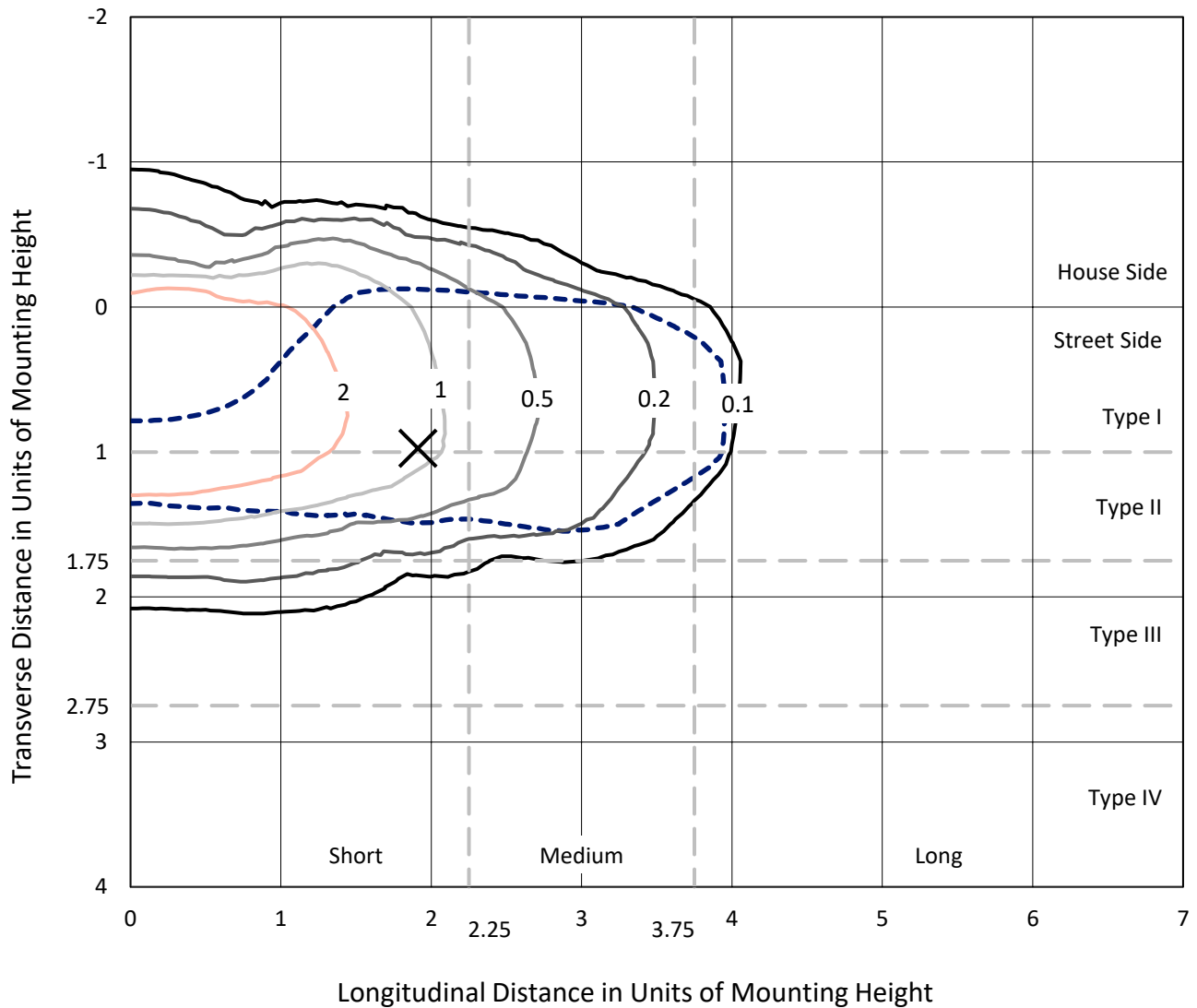
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

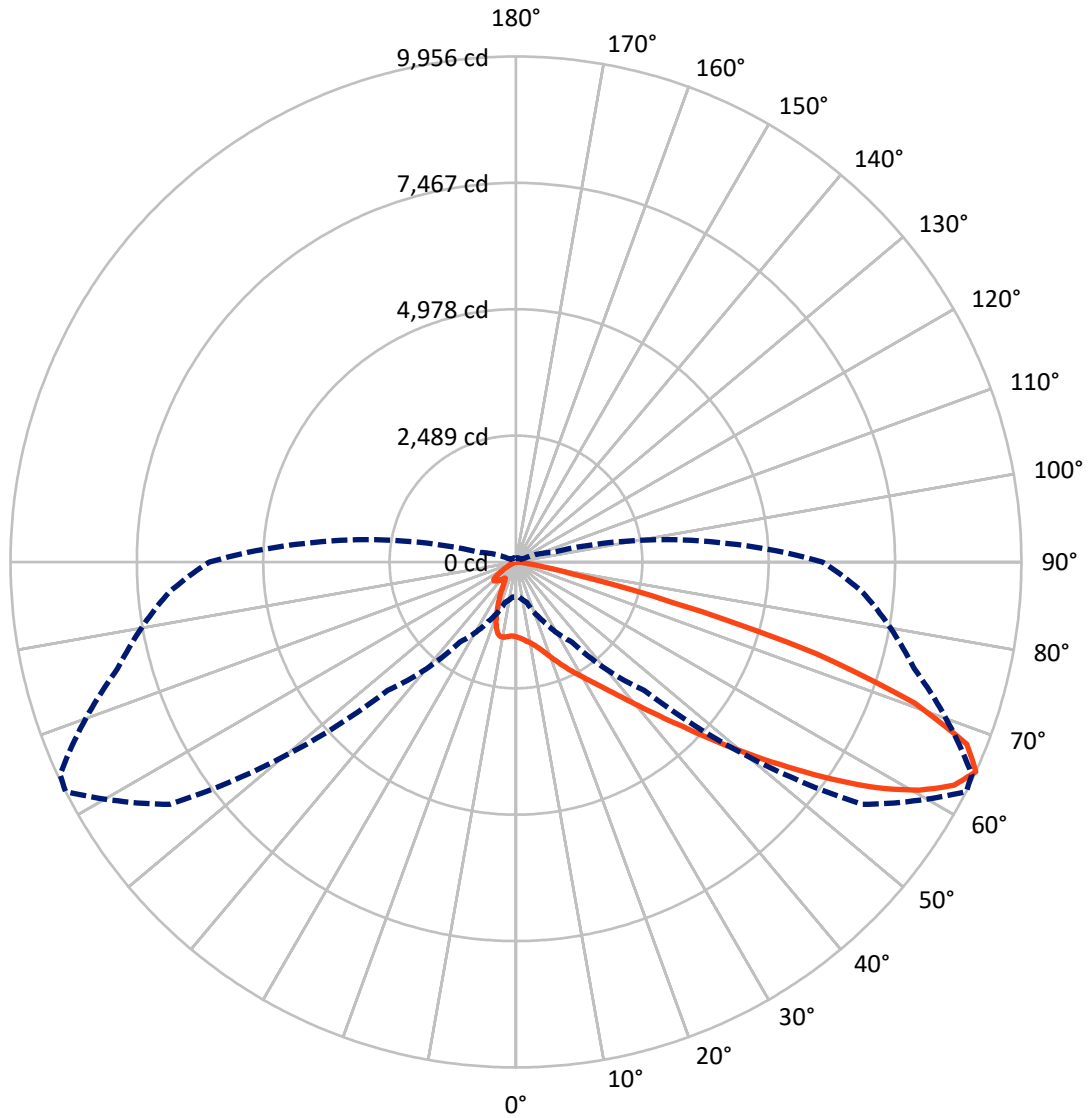
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1756.0	0.0	1756.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	10190.0	0.0	10190.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	11946.0	0.0	11946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	1.2
10°-20°	385.4	3.2
20°-30°	671.1	5.6
30°-40°	1209.6	10.1
40°-50°	2399.1	20.1
50°-60°	3268.0	27.4
60°-70°	2608.5	21.8
70°-80°	1180.4	9.9
80°-90°	84.8	0.7
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°	11946.0	100.0
0°-180°	11946.0	100.0

Coefficient of Utilization



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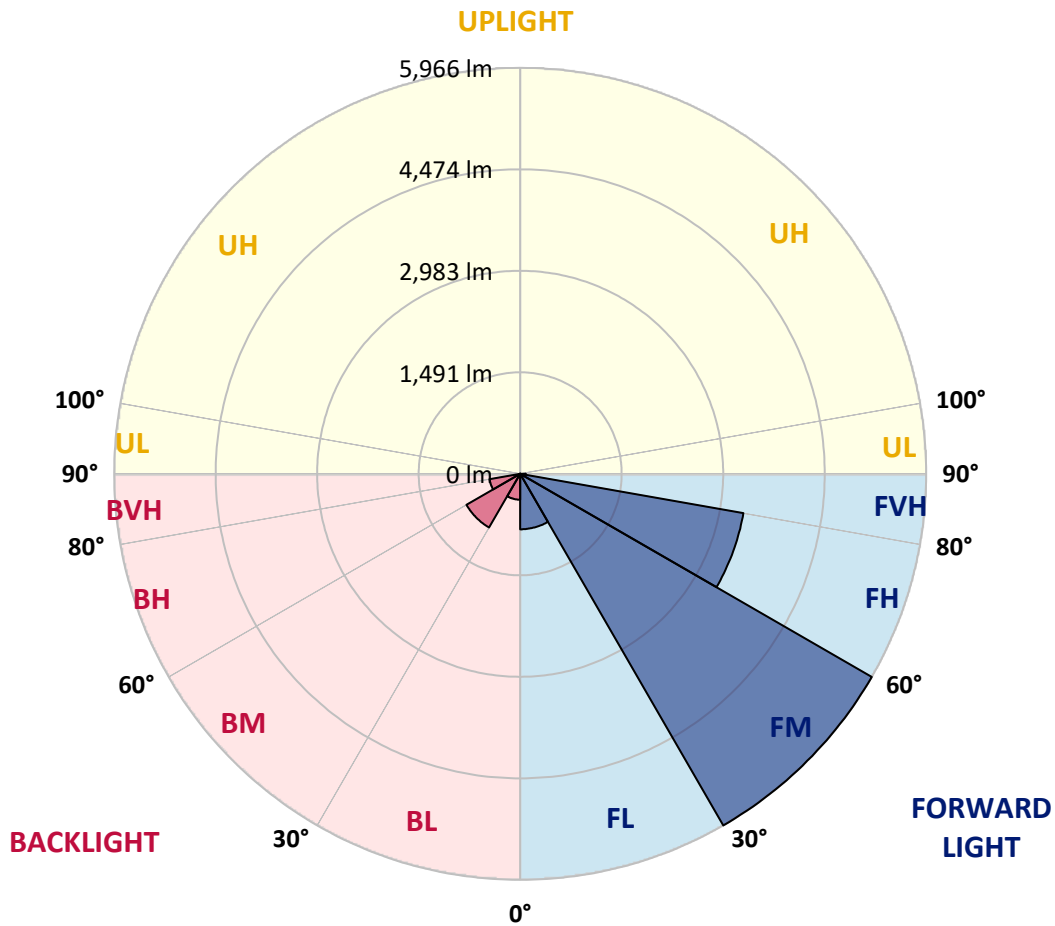
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	815.5	6.8			
FM (30°-60°)	5965.5	49.9			
FH (60°-80°)	3330.5	27.9			G2/5000
FVH (80°-90°)	78.6	0.7			G1/100
BL (0°-30°)	380.0	3.2	B1/500		
BM (30°-60°)	911.2	7.6	B1/1000		
BH (60°-80°)	458.4	3.8	B1/500		G1/500
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4
2.5°	1508.9	1504.8	1510.5	1508.1	1506.4	1503.1	1501.5	1499.8	1496.6	1494.1
5°	1513.0	1510.5	1516.3	1521.2	1526.1	1531.1	1533.5	1536.8	1533.5	1527.0
7.5°	1478.5	1476.8	1489.2	1503.9	1526.1	1545.0	1565.6	1577.1	1577.9	1575.4
10°	1476.0	1471.9	1484.2	1502.3	1531.1	1564.8	1600.9	1625.6	1628.9	1639.5
12.5°	1514.6	1510.5	1527.8	1547.5	1577.1	1612.4	1656.8	1691.3	1696.3	1711.0
15°	1579.6	1573.8	1593.5	1619.0	1656.8	1697.1	1743.9	1775.2	1779.3	1797.3
17.5°	1655.2	1649.4	1672.4	1699.5	1740.6	1795.7	1849.9	1884.5	1889.4	1900.9
20°	1752.1	1744.7	1762.8	1787.5	1831.0	1896.8	1961.7	2011.0	2010.2	2010.2
22.5°	1864.7	1853.2	1868.8	1888.6	1929.7	2009.4	2095.7	2154.0	2154.0	2131.0
25°	1985.5	1974.0	1991.3	2009.4	2045.5	2135.9	2237.0	2309.3	2312.6	2273.2
27.5°	2136.8	2122.0	2135.1	2156.5	2177.8	2269.9	2389.9	2473.7	2475.4	2414.5
30°	2427.7	2385.8	2344.7	2321.7	2331.5	2422.8	2551.0	2643.8	2652.0	2568.2
32.5°	2960.2	2952.0	2807.4	2618.3	2519.7	2587.1	2730.9	2842.7	2847.6	2740.0
35°	3787.8	3778.0	3545.4	3185.4	2864.1	2807.4	2949.5	3081.9	3078.6	2956.9
37.5°	4775.7	4766.6	4460.1	3978.5	3458.3	3140.2	3231.4	3370.3	3390.9	3231.4
40°	5619.7	5586.0	5392.0	4927.7	4247.2	3692.5	3632.5	3724.5	3745.9	3556.9
42.5°	6259.1	6230.3	6131.7	5841.6	5202.2	4509.4	4105.0	4140.4	4164.2	3937.4
45°	6590.3	6583.7	6623.1	6596.0	6175.2	5512.0	4780.6	4633.5	4642.5	4359.0
47.5°	6637.1	6633.8	6813.8	7068.6	7011.8	6642.8	5647.6	5248.2	5216.2	4834.8
50°	6361.0	6354.4	6699.6	7177.0	7570.7	7592.9	6632.2	5941.0	5870.3	5327.1
52.5°	5479.1	5477.5	6044.6	6839.3	7767.1	8424.6	7605.2	6702.0	6583.7	5848.1
55°	4216.0	4246.4	4896.5	5835.8	7408.8	8824.8	8478.8	7546.9	7365.2	6372.5
57.5°	2986.5	3030.9	3673.6	4510.2	6297.7	8588.1	9069.7	8393.3	8197.7	6895.1
60°	1604.2	1643.7	2287.2	3285.7	4685.2	7705.5	9381.2	9128.1	8943.1	7391.5
62.5°	955.8	968.9	1235.2	2121.1	3169.0	5886.8	9248.9	9687.7	9535.7	7808.2
65°	686.2	688.7	822.7	1295.2	1923.9	3576.6	8321.0	9955.6	9908.8	8122.1
67.5°	577.7	576.1	632.0	860.5	1310.8	1791.6	6377.4	9576.8	9775.7	8321.0
70°	495.6	498.0	563.8	630.3	985.4	1014.1	3170.6	8338.3	8762.3	8373.6
72.5°	369.0	377.2	438.0	574.5	743.8	697.7	1094.7	6182.6	6949.4	7889.6
75°	260.5	264.6	308.2	483.2	554.7	507.9	558.8	3196.1	4179.0	6048.7
77.5°	200.5	207.9	233.4	337.8	546.5	356.7	341.9	1106.2	1699.5	3653.9
80°	108.5	121.6	168.5	244.1	383.8	252.3	169.3	440.5	576.1	1708.6
82.5°	55.9	62.5	117.5	175.9	218.6	220.3	83.8	183.3	237.5	527.6
85°	22.2	27.1	78.9	97.0	112.6	108.5	37.8	74.0	85.5	146.3
87.5°	4.9	8.2	28.8	22.2	21.4	23.0	9.0	17.3	16.4	17.3
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°
1474.4	0°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4
1484.2	2.5°	1483.4	1480.1	1471.1	1461.2	1449.7	1443.1	1439.0	1438.2	1432.4	1428.3
1517.1	5°	1508.1	1504.8	1487.5	1467.0	1444.8	1427.5	1411.1	1396.3	1374.9	1370.8
1564.8	7.5°	1557.4	1548.3	1520.4	1492.4	1450.5	1400.4	1339.6	1269.7	1207.3	1188.4
1628.0	10°	1618.2	1605.9	1570.5	1521.2	1428.3	1291.9	1144.8	1008.4	899.9	869.5
1702.8	12.5°	1687.2	1676.5	1629.7	1538.5	1335.5	1088.1	862.9	693.6	588.4	562.1
1782.5	15°	1769.4	1753.8	1688.9	1512.2	1169.5	826.8	592.5	492.3	454.5	449.5
1873.8	17.5°	1856.5	1831.0	1741.5	1417.7	945.9	587.6	457.8	429.0	412.6	407.6
1965.8	20°	1936.2	1903.4	1772.7	1274.7	706.8	457.8	410.1	391.2	376.4	370.6
2057.9	22.5°	2015.9	1969.1	1772.7	1079.9	530.1	406.0	376.4	359.1	341.9	334.5
2156.5	25°	2099.0	2036.5	1741.5	862.9	426.5	372.3	344.3	325.4	310.7	301.6
2250.2	27.5°	2179.5	2093.2	1670.0	657.5	379.7	342.7	314.8	296.7	282.7	276.1
2352.1	30°	2255.9	2149.1	1569.7	498.9	349.3	313.9	287.6	272.0	258.1	251.5
2484.4	32.5°	2359.5	2219.8	1462.9	409.3	323.0	286.8	263.0	248.2	235.9	230.9
2656.2	35°	2503.3	2324.1	1370.8	401.9	300.8	264.6	240.8	226.8	214.5	210.4
2878.0	37.5°	2707.1	2492.6	1322.3	451.2	282.7	244.9	222.7	207.9	196.4	193.1
3159.9	40°	2958.6	2721.1	1348.6	500.5	270.4	227.6	206.3	191.5	181.6	177.5
3483.7	42.5°	3256.9	3003.0	1494.1	538.3	262.2	212.9	190.7	174.2	167.7	166.0
3851.1	45°	3599.6	3312.8	1716.8	578.6	249.0	198.9	175.0	162.7	157.8	157.0
4250.5	47.5°	3989.2	3653.0	1974.9	628.7	235.9	185.7	162.7	154.5	150.4	148.8
4667.2	50°	4375.4	3995.7	2240.3	656.6	225.2	173.4	152.9	146.3	143.0	142.2
5107.7	52.5°	4779.8	4348.3	2454.8	630.3	216.1	163.5	144.6	139.7	136.4	135.6
5513.7	55°	5165.2	4633.5	2491.8	535.0	198.1	153.7	135.6	133.1	129.0	129.0
5925.4	57.5°	5497.2	4776.5	2230.4	392.8	180.0	138.9	126.6	124.1	120.8	120.0
6296.9	60°	5802.1	4735.4	1721.7	264.6	160.3	124.1	115.1	113.4	110.1	106.0
6619.8	62.5°	5973.9	4554.6	1177.7	172.6	140.5	108.5	101.9	101.1	93.7	85.5
6859.0	65°	6038.8	4183.1	734.7	125.7	117.5	92.9	87.9	86.3	75.6	66.6
6994.6	67.5°	5982.1	3571.7	370.6	99.4	92.9	77.3	72.3	72.3	64.9	56.7
6986.4	70°	5755.3	2677.5	156.1	79.7	71.5	59.2	59.2	62.5	55.1	46.0
6623.9	72.5°	5263.0	1801.5	83.0	60.8	53.4	41.9	48.5	51.0	43.6	34.5
5421.6	75°	4183.9	1098.8	57.5	45.2	33.7	29.6	37.0	38.6	29.6	23.0
3717.1	77.5°	2861.6	631.2	38.6	28.8	21.4	17.3	25.5	23.8	15.6	10.7
1433.3	80°	1256.6	263.0	22.2	13.1	8.2	6.6	9.0	6.6	4.9	3.3
196.4	82.5°	147.1	61.6	8.2	4.9	3.3	1.6	0.8	0.0	0.0	0.0
60.0	85°	30.4	7.4	4.1	1.6	0.8	0.0	0.0	0.0	0.0	0.0
10.7	87.5°	5.8	1.6	0.8	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>
1474.4
1432.4
1369.2
1179.3
858.0
554.7
444.6
405.2
367.4
330.4
298.3
276.1
252.3
230.9
210.4
192.3
176.7
166.0
156.1
148.8
142.2
135.6
128.2
119.2
105.2
83.8
65.7
55.9
45.2
34.5
22.2
11.5
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