

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: STREETWORKS

Report Number: P852372

Luminaire Tested: **GLAN-SB3B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10592 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

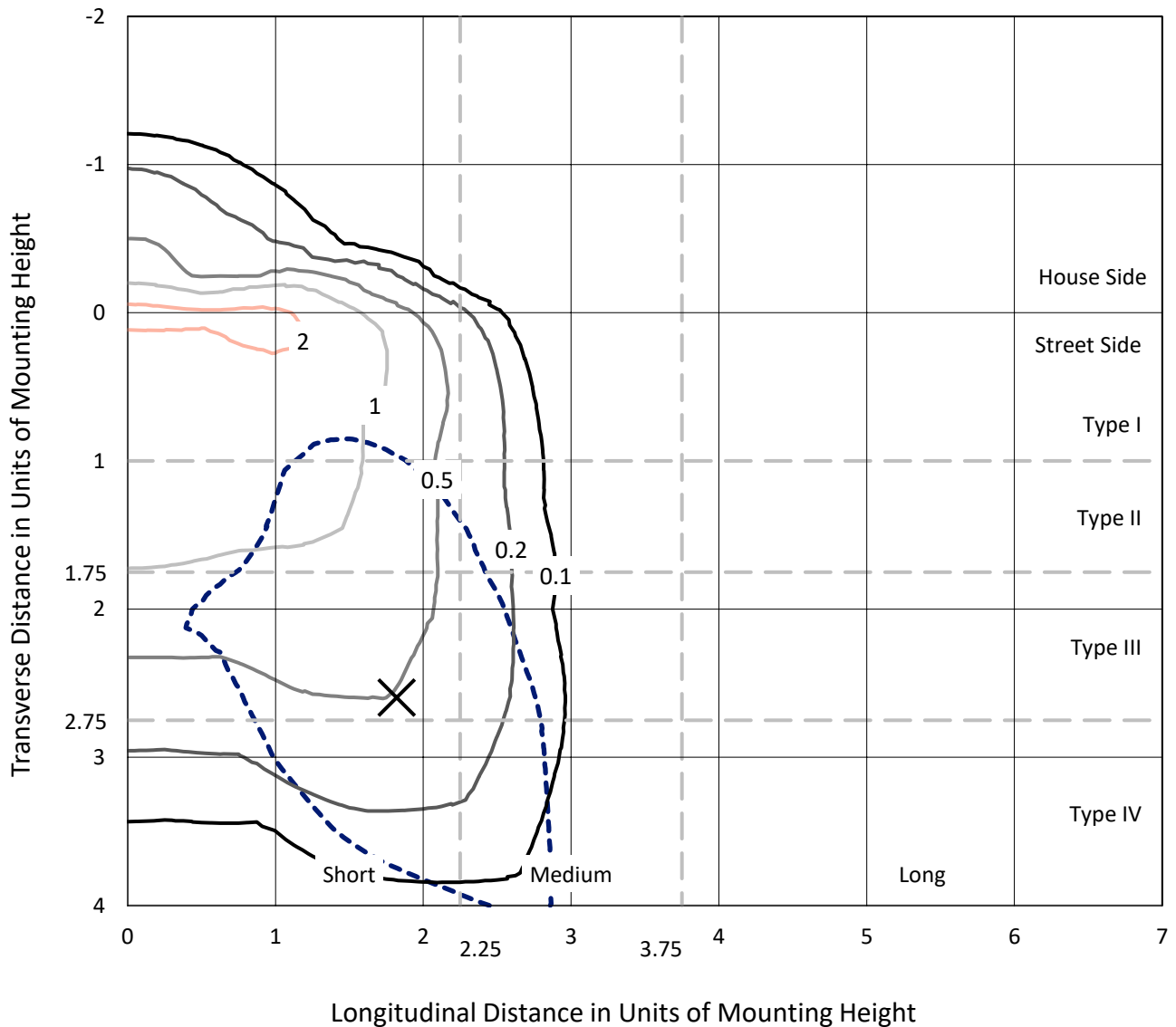
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

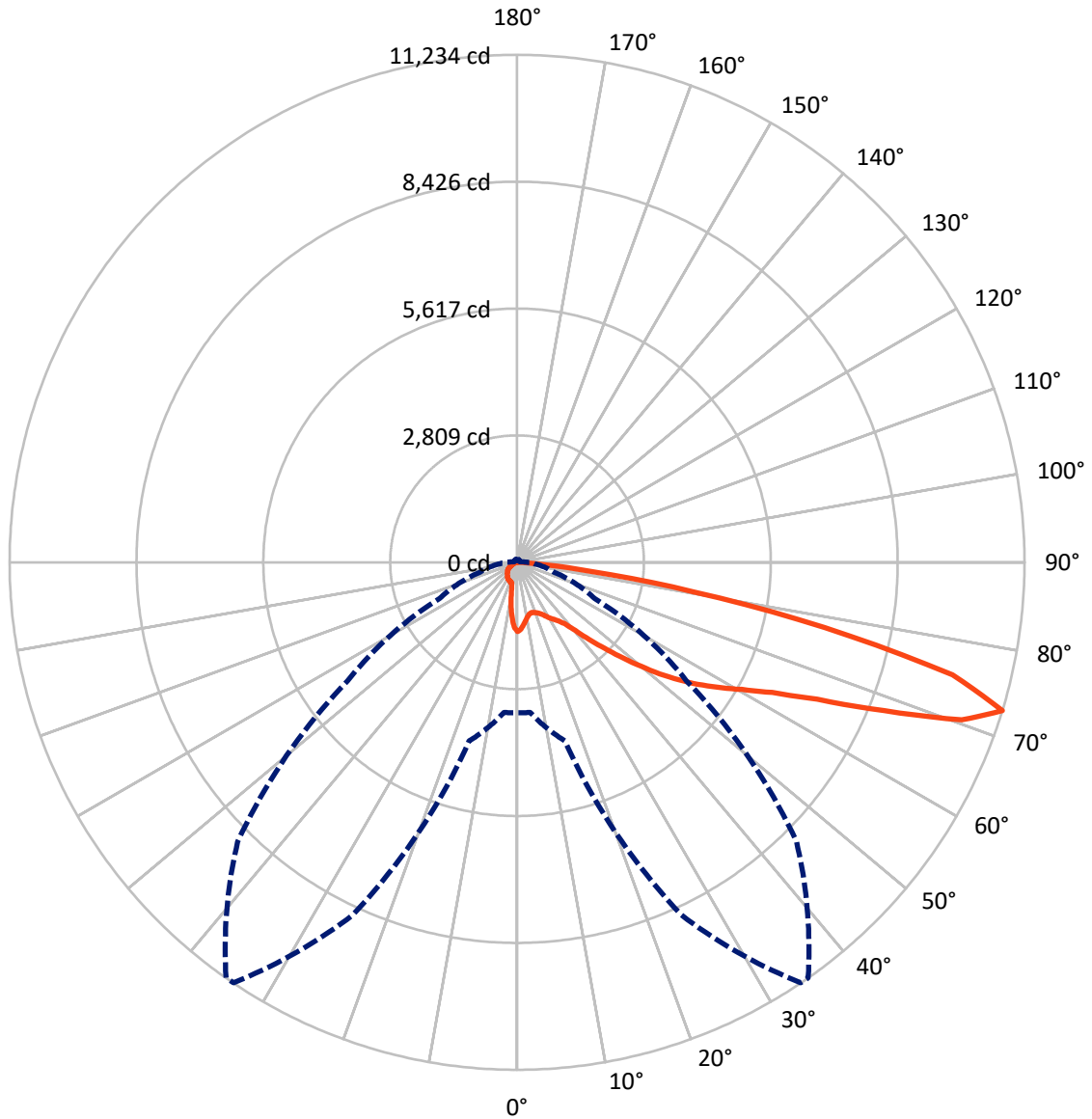
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.1	0.0	1192.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9399.9	0.0	9399.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	10592.0	0.0	10592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	1.2
10°-20°	295.1	2.8
20°-30°	479.4	4.5
30°-40°	799.9	7.6
40°-50°	1513.4	14.3
50°-60°	2404.7	22.7
60°-70°	2974.8	28.1
70°-80°	1849.2	17.5
80°-90°	149.4	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°	10592.0	100.0
0°-180°	10592.0	100.0

Coefficient of Utilization



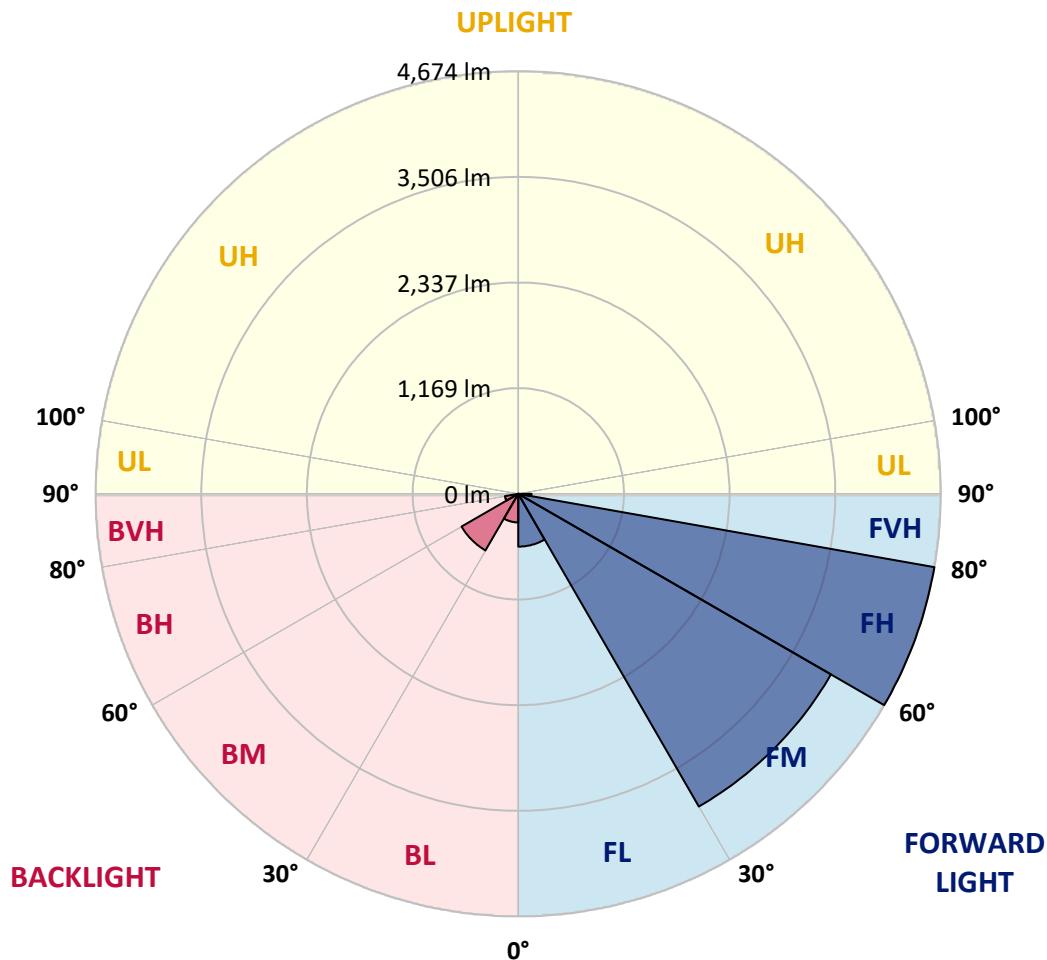
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	583.9	5.5			
FM	(30°-60°)	3994.2	37.7			
FH	(60°-80°)	4674.4	44.1			G2/5000
FVH	(80°-90°)	147.4	1.4			G2/225
BL	(0°-30°)	316.8	3.0	B1/500		
BM	(30°-60°)	723.7	6.8	B1/1000		
BH	(60°-80°)	149.6	1.4	B1/500		G1/500
BVH	(80°-90°)	2.0	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1
2.5°	1466.8	1479.3	1481.6	1485.5	1485.5	1490.1	1497.9	1508.7	1526.6	1535.9
5°	1352.0	1361.3	1372.9	1382.2	1400.1	1402.4	1432.7	1462.2	1503.3	1534.4
7.5°	1236.3	1247.2	1262.7	1285.2	1308.5	1315.5	1361.3	1411.0	1476.2	1534.4
10°	1154.8	1155.6	1169.6	1192.1	1229.4	1237.9	1293.8	1364.4	1445.9	1525.0
12.5°	1109.1	1114.5	1120.7	1137.8	1173.5	1178.9	1238.7	1321.7	1415.6	1519.6
15°	1109.1	1112.9	1116.8	1125.4	1154.1	1158.7	1211.5	1294.5	1400.1	1521.9
17.5°	1120.7	1126.9	1123.8	1133.9	1164.2	1167.3	1213.8	1286.8	1399.3	1536.7
20°	1148.6	1153.3	1147.1	1153.3	1183.6	1189.8	1237.9	1301.5	1412.5	1562.3
22.5°	1192.9	1195.2	1180.5	1185.1	1216.2	1223.9	1279.8	1343.4	1444.3	1603.4
25°	1248.8	1253.4	1230.9	1236.3	1265.8	1275.1	1339.6	1406.3	1494.8	1660.1
27.5°	1313.2	1315.5	1296.1	1295.3	1333.3	1346.5	1411.7	1483.9	1562.3	1731.5
30°	1386.9	1393.9	1375.3	1372.2	1420.3	1431.1	1495.6	1579.4	1661.6	1838.6
32.5°	1445.1	1450.5	1439.7	1447.4	1496.3	1504.9	1597.2	1714.4	1817.6	1990.7
35°	1528.9	1532.0	1507.2	1521.2	1577.0	1598.8	1736.1	1903.8	2014.0	2181.6
37.5°	1832.4	1832.4	1726.8	1657.8	1711.3	1730.7	1926.3	2142.1	2256.1	2437.7
40°	2252.3	2245.3	2090.8	1949.6	1942.6	1980.6	2197.2	2442.4	2568.9	2745.1
42.5°	2700.1	2689.2	2478.9	2339.2	2315.9	2329.1	2509.9	2812.6	2941.4	3119.9
45°	3097.4	3094.3	2901.9	2714.0	2672.1	2714.0	2900.3	3245.7	3338.0	3525.8
47.5°	3430.4	3430.4	3289.9	3167.3	3145.6	3170.4	3428.8	3726.1	3717.5	3958.1
50°	3813.8	3810.7	3677.2	3624.4	3646.9	3681.8	4037.3	4232.1	4110.3	4382.7
52.5°	4082.3	4100.9	4055.1	4046.6	4161.5	4222.0	4655.1	4727.3	4461.8	4785.5
55°	4295.0	4316.7	4369.5	4429.2	4650.4	4729.6	5253.5	5196.8	4756.0	5134.7
57.5°	4596.1	4565.1	4646.5	4764.5	5122.3	5217.8	5833.2	5640.0	4992.7	5418.0
60°	4961.6	4966.3	4980.3	5129.3	5593.4	5716.0	6404.4	6059.1	5144.8	5591.8
62.5°	5400.9	5407.9	5436.6	5665.6	6225.9	6341.6	7012.9	6402.1	5214.7	5542.9
65°	5370.6	5400.1	5720.7	6503.8	7187.5	7301.6	7723.0	6642.7	5109.1	5095.9
67.5°	4892.6	4940.7	5477.0	7504.9	8637.3	8764.6	8581.4	6690.0	4653.5	3962.8
70°	4265.5	4282.5	4927.5	8405.2	10316.0	10444.8	9349.7	6169.3	3531.3	2210.3
72.5°	3331.0	3334.9	4091.6	8614.0	11227.1	11234.1	8746.7	4579.8	1899.1	849.1
75°	2379.5	2356.3	2740.4	6985.7	9877.5	9956.7	6557.3	2148.3	725.7	401.2
77.5°	1275.9	1301.5	1550.7	4142.8	6823.5	6958.6	3577.8	619.3	369.4	273.2
80°	394.3	416.0	635.6	1896.8	3865.0	3946.5	1326.4	275.5	257.7	194.8
82.5°	124.2	128.8	296.5	797.1	1604.2	1641.5	384.2	156.0	176.2	128.8
85°	35.7	36.5	131.9	297.2	396.6	404.4	107.9	60.5	100.9	79.9
87.5°	3.9	12.4	49.7	49.7	34.9	34.1	11.6	13.2	28.7	10.1
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°
1535.1	0°	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1	1535.1
1542.1	2.5°	1538.2	1539.0	1528.9	1511.9	1493.2	1477.7	1458.3	1442.8	1431.9	1428.8
1556.1	5°	1549.1	1543.7	1515.0	1463.0	1400.9	1347.3	1287.6	1240.2	1209.2	1196.0
1570.8	7.5°	1565.4	1549.9	1487.0	1384.6	1265.8	1160.3	1053.2	970.1	917.4	891.0
1584.8	10°	1579.4	1548.3	1440.5	1271.3	1089.7	929.8	785.4	685.3	629.4	603.0
1601.1	12.5°	1592.6	1547.6	1379.9	1137.0	891.0	695.4	561.1	511.5	495.9	490.5
1627.5	15°	1617.4	1549.9	1303.9	983.3	693.1	525.4	476.5	475.8	478.9	477.3
1667.8	17.5°	1651.6	1552.2	1217.7	820.3	534.7	463.3	461.0	468.0	472.6	470.3
1718.3	20°	1695.8	1561.5	1126.1	658.9	459.5	447.8	453.2	459.5	463.3	459.5
1785.8	22.5°	1757.9	1577.8	1026.0	529.3	435.4	438.5	443.2	450.1	454.0	448.6
1872.0	25°	1833.9	1603.4	927.4	460.2	423.8	427.6	434.6	442.4	447.0	441.6
1980.6	27.5°	1932.5	1644.6	836.6	444.7	412.1	414.4	424.5	436.2	442.4	435.4
2135.1	30°	2075.3	1712.1	758.3	451.7	405.1	399.7	413.7	430.0	436.9	430.7
2345.4	32.5°	2264.7	1807.5	710.1	462.6	402.0	382.6	395.8	416.8	428.4	424.5
2620.1	35°	2513.0	1952.7	691.5	475.0	399.7	364.8	374.1	396.6	416.8	420.6
2966.3	37.5°	2814.2	2154.5	696.9	480.4	392.7	350.0	354.7	374.1	400.5	412.9
3355.9	40°	3156.4	2389.6	728.0	475.0	384.9	337.6	338.4	353.1	376.4	395.0
3775.0	42.5°	3509.5	2664.4	785.4	454.8	378.0	326.7	324.4	334.5	350.0	363.2
4193.3	45°	3845.6	2946.9	842.1	426.9	369.4	315.9	310.4	314.3	317.4	322.9
4600.8	47.5°	4139.0	3145.6	825.8	401.2	357.8	303.5	294.1	292.6	283.3	282.5
4964.7	50°	4341.5	3189.0	733.4	375.6	340.7	289.5	274.7	265.4	249.1	241.4
5237.2	52.5°	4405.9	3017.5	599.2	350.0	312.8	270.9	249.9	235.2	215.0	208.0
5393.9	55°	4320.6	2681.4	478.9	319.0	274.0	246.0	222.7	203.3	187.0	178.5
5411.0	57.5°	4111.8	2253.8	378.7	282.5	232.8	218.1	194.8	175.4	161.4	152.9
5221.6	60°	3765.7	1789.7	299.6	239.0	198.7	187.8	163.8	151.3	138.9	128.8
4732.7	62.5°	3240.2	1277.5	235.2	189.4	166.1	153.7	139.7	130.4	115.6	101.7
3853.4	65°	2528.6	781.5	181.6	138.9	133.5	127.3	118.7	110.2	92.4	78.4
2513.8	67.5°	1594.9	370.2	129.6	104.8	105.6	102.4	98.6	91.6	78.4	66.0
1126.1	70°	702.4	179.3	85.4	79.9	78.4	78.4	81.5	79.2	66.7	55.1
391.2	72.5°	239.0	96.2	63.6	60.5	56.7	55.9	68.3	66.0	53.6	42.7
194.8	75°	125.0	64.4	46.6	43.5	34.1	41.1	54.3	51.2	38.0	27.9
128.8	77.5°	81.5	45.8	31.8	27.9	19.4	27.2	40.4	35.7	22.5	14.0
84.6	80°	51.2	30.3	18.6	13.2	9.3	14.7	21.7	15.5	8.5	3.1
49.7	82.5°	27.2	15.5	7.0	4.7	3.9	4.7	5.4	3.9	1.6	0.0
25.6	85°	10.9	5.4	2.3	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.7	87.5°	3.9	0.8	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

180°
1535.1
1434.2
1200.6
894.8
603.8
488.9
476.5
469.5
458.7
447.8
440.8
435.4
430.0
424.5
420.6
416.0
401.2
368.6
326.0
281.7
242.1
207.2
178.5
151.3
126.5
99.3
76.1
64.4
52.8
40.4
25.6
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