

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: P852258

Luminaire Tested: **GLAN-SB2C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852258  
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-SB2C-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 615mA 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: 11128 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

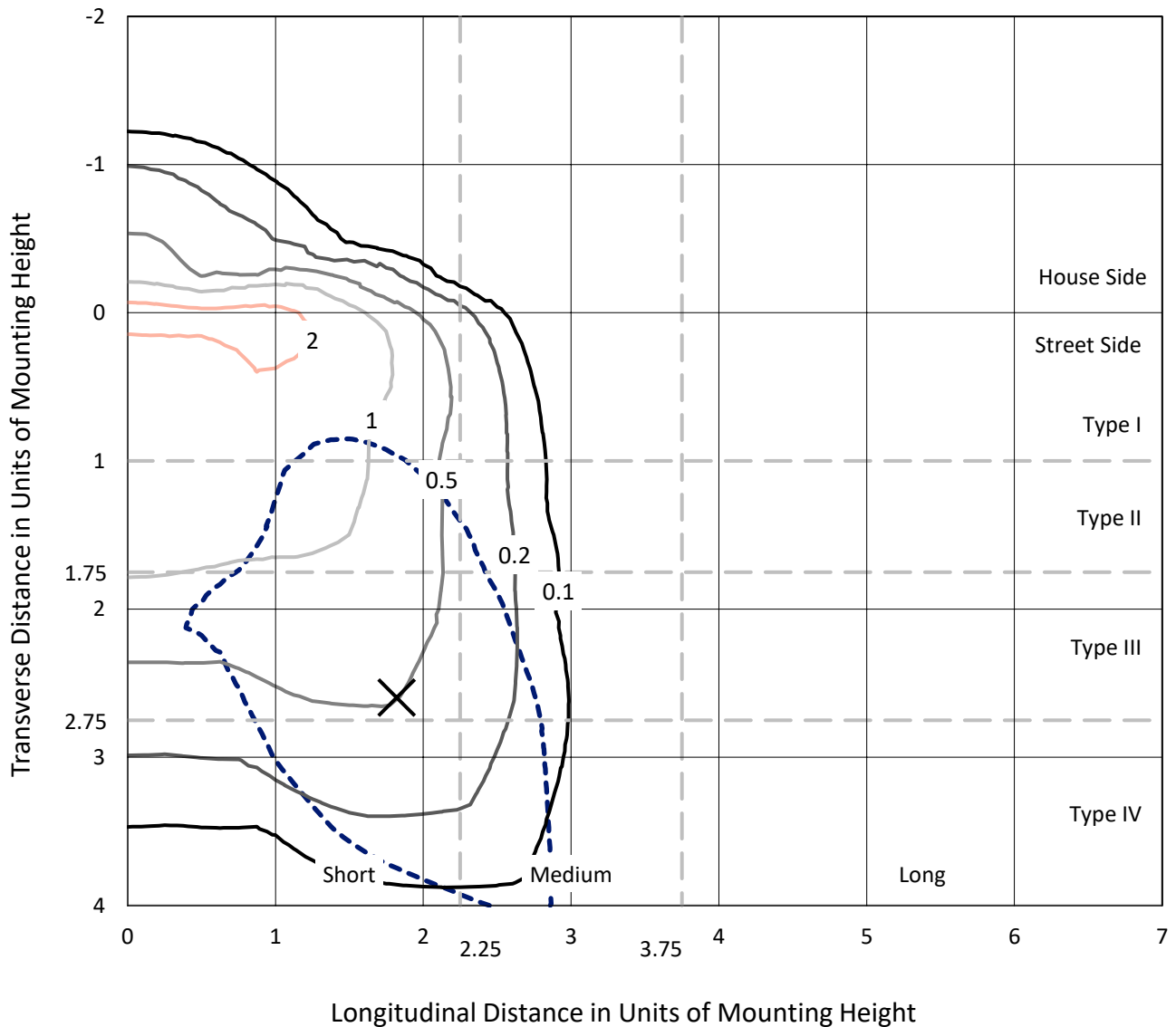
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

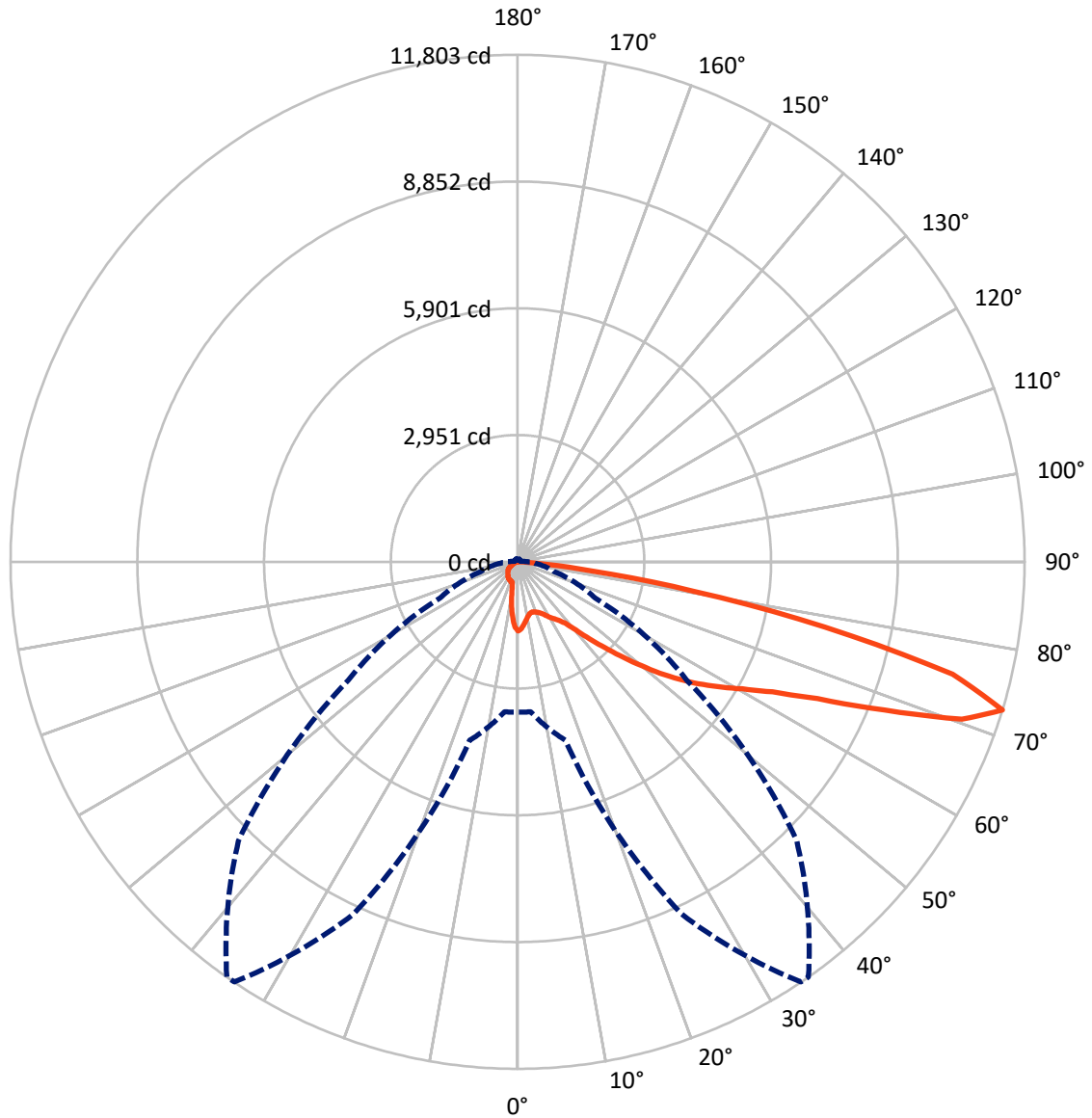
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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
<b>House Side</b>	Lumens	1252.4	0.0	1252.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	9875.6	0.0	9875.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	11128.0	0.0	11128.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	1.2
10°-20°	310.0	2.8
20°-30°	503.7	4.5
30°-40°	840.3	7.6
40°-50°	1589.9	14.3
50°-60°	2526.4	22.7
60°-70°	3125.3	28.1
70°-80°	1942.7	17.5
80°-90°	157.0	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°	11128.0	100.0
0°-180°	11128.0	100.0

**Coefficient of Utilization**

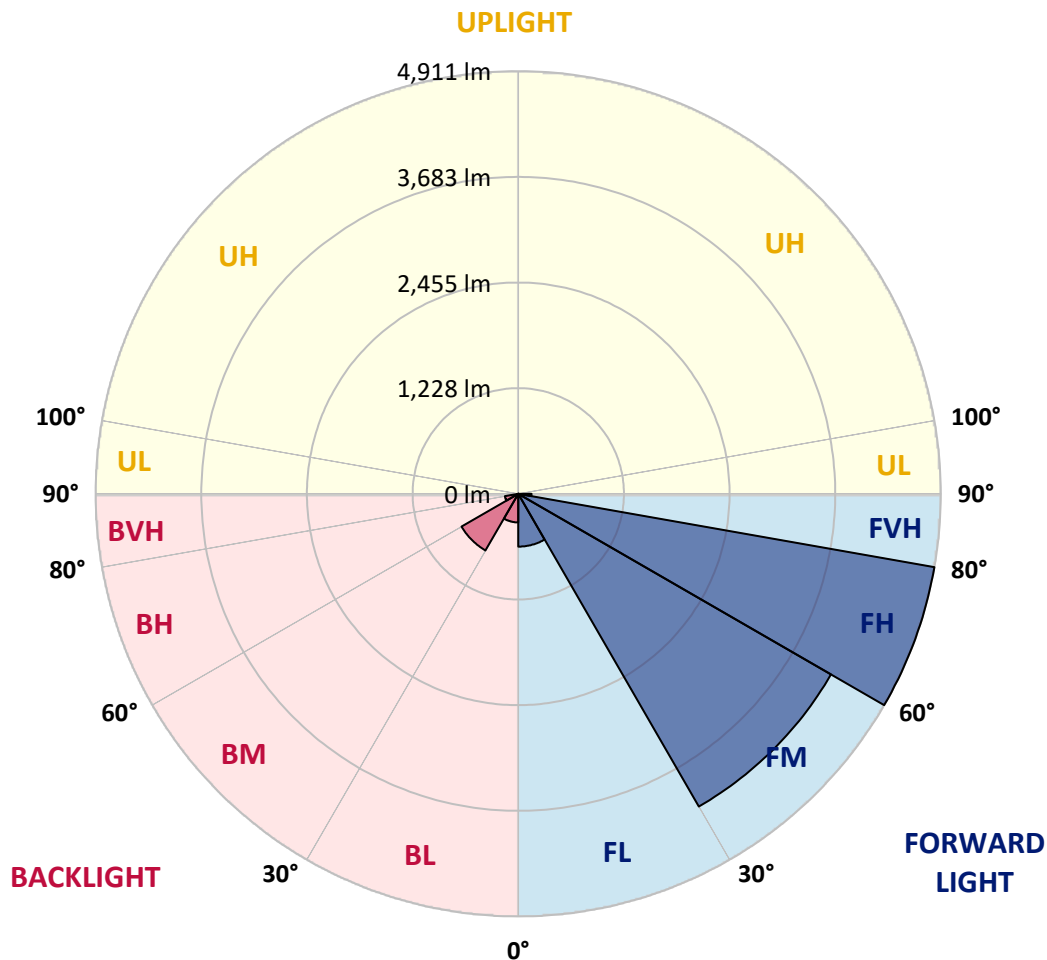


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.4	5.5			
FM (30°-60°)	4196.4	37.7			
FH (60°-80°)	4910.9	44.1			G2/5000
FVH (80°-90°)	154.9	1.4			G2/225
BL (0°-30°)	332.8	3.0	B1/500		
BM (30°-60°)	760.3	6.8	B1/1000		
BH (60°-80°)	157.2	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1541.1	1554.1	1556.6	1560.6	1560.6	1565.5	1573.7	1585.1	1603.9	1613.6
5°	1420.4	1430.2	1442.4	1452.2	1470.9	1473.4	1505.2	1536.2	1579.4	1612.0
7.5°	1298.9	1310.3	1326.6	1350.3	1374.7	1382.1	1430.2	1482.4	1550.9	1612.0
10°	1213.3	1214.1	1228.8	1252.4	1291.6	1300.5	1359.2	1433.4	1519.1	1602.2
12.5°	1165.2	1170.9	1177.4	1195.3	1232.9	1238.6	1301.3	1388.6	1487.3	1596.5
15°	1165.2	1169.3	1173.3	1182.3	1212.5	1217.4	1272.8	1360.1	1470.9	1599.0
17.5°	1177.4	1183.9	1180.7	1191.3	1223.1	1226.3	1275.3	1351.9	1470.1	1614.5
20°	1206.8	1211.7	1205.1	1211.7	1243.5	1250.0	1300.5	1367.4	1484.0	1641.4
22.5°	1253.2	1255.7	1240.2	1245.1	1277.7	1285.9	1344.6	1411.4	1517.4	1684.6
25°	1311.9	1316.8	1293.2	1298.9	1329.9	1339.7	1407.3	1477.5	1570.4	1744.1
27.5°	1379.6	1382.1	1361.7	1360.9	1400.8	1414.7	1483.2	1559.0	1641.4	1819.1
30°	1457.1	1464.4	1444.9	1441.6	1492.1	1503.6	1571.2	1659.3	1745.7	1931.6
32.5°	1518.2	1523.9	1512.5	1520.7	1572.1	1581.0	1678.1	1801.2	1909.6	2091.4
35°	1606.3	1609.6	1583.5	1598.1	1656.9	1679.7	1824.0	2000.1	2115.9	2292.0
37.5°	1925.1	1925.1	1814.2	1741.7	1797.9	1818.3	2023.8	2250.4	2370.3	2561.1
40°	2366.2	2358.9	2196.6	2048.2	2040.9	2080.8	2308.3	2566.0	2698.9	2884.0
42.5°	2836.7	2825.3	2604.3	2457.6	2433.1	2447.0	2636.9	2954.9	3090.3	3277.8
45°	3254.2	3250.9	3048.7	2851.4	2807.4	2851.4	3047.1	3409.9	3506.9	3704.3
47.5°	3604.0	3604.0	3456.4	3327.6	3304.7	3330.8	3602.3	3914.6	3905.7	4158.4
50°	4006.8	4003.5	3863.3	3807.8	3831.5	3868.2	4241.6	4446.3	4318.2	4604.4
52.5°	4288.9	4308.5	4260.4	4251.4	4372.1	4435.7	4890.6	4966.5	4687.6	5027.6
55°	4512.3	4535.1	4590.6	4653.4	4885.8	4968.9	5519.3	5459.8	4996.6	5394.5
57.5°	4828.7	4796.1	4881.7	5005.6	5381.5	5481.8	6128.4	5925.4	5245.3	5692.2
60°	5212.7	5217.6	5232.3	5388.8	5876.4	6005.3	6728.5	6365.7	5405.1	5874.8
62.5°	5674.2	5681.6	5711.7	5952.3	6541.0	6662.5	7367.8	6726.1	5478.5	5823.4
65°	5642.4	5673.4	6010.2	6832.9	7551.2	7671.1	8113.8	6978.8	5367.6	5353.8
67.5°	5140.2	5190.7	5754.1	7884.7	9074.4	9208.1	9015.6	7028.6	4889.0	4163.3
70°	4481.3	4499.3	5176.8	8830.6	10838.0	10973.4	9822.9	6481.5	3710.0	2322.2
72.5°	3499.6	3503.7	4298.7	9049.9	11795.3	11802.6	9189.3	4811.6	1995.2	892.0
75°	2500.0	2475.5	2879.1	7339.2	10377.3	10460.5	6889.1	2257.0	762.4	421.6
77.5°	1340.5	1367.4	1629.1	4352.5	7168.8	7310.7	3758.9	650.7	388.1	287.0
80°	414.2	437.0	667.8	1992.8	4060.6	4146.2	1393.5	289.5	270.7	204.7
82.5°	130.5	135.4	311.5	837.4	1685.4	1724.5	403.6	163.9	185.1	135.4
85°	37.5	38.3	138.6	312.3	416.7	424.8	113.3	63.6	106.0	84.0
87.5°	4.1	13.0	52.2	52.2	36.7	35.9	12.2	13.9	30.2	10.6
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°
1612.8	0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
1620.2	2.5°	1616.1	1616.9	1606.3	1588.4	1568.8	1552.5	1532.1	1515.8	1504.4	1501.1
1634.8	5°	1627.5	1621.8	1591.6	1537.0	1471.8	1415.5	1352.7	1303.0	1270.4	1256.5
1650.3	7.5°	1644.6	1628.3	1562.3	1454.6	1329.9	1219.0	1106.5	1019.2	963.8	936.1
1665.0	10°	1659.3	1626.7	1513.3	1335.6	1144.8	976.8	825.2	720.0	661.3	633.5
1682.1	12.5°	1673.2	1625.9	1449.7	1194.5	936.1	730.6	589.5	537.3	521.0	515.3
1709.9	15°	1699.3	1628.3	1369.8	1033.1	728.1	552.0	500.6	499.8	503.1	501.5
1752.3	17.5°	1735.1	1630.8	1279.3	861.9	561.8	486.8	484.3	491.7	496.6	494.1
1805.2	20°	1781.6	1640.5	1183.1	692.3	482.7	470.5	476.2	482.7	486.8	482.7
1876.2	22.5°	1846.8	1657.7	1077.9	556.1	457.4	460.7	465.6	472.9	477.0	471.3
1966.7	25°	1926.7	1684.6	974.4	483.5	445.2	449.3	456.6	464.8	469.7	464.0
2080.8	27.5°	2030.3	1727.8	879.0	467.2	433.0	435.4	446.0	458.2	464.8	457.4
2243.1	30°	2180.3	1798.7	796.6	474.6	425.6	419.9	434.6	451.7	459.1	452.5
2464.1	32.5°	2379.3	1899.0	746.1	486.0	422.4	402.0	415.8	437.9	450.1	446.0
2752.7	35°	2640.2	2051.5	726.5	499.0	419.9	383.2	393.0	416.7	437.9	441.9
3116.4	37.5°	2956.6	2263.5	732.2	504.7	412.6	367.7	372.6	393.0	420.7	433.8
3525.7	40°	3316.1	2510.6	764.8	499.0	404.4	354.7	355.5	371.0	395.5	415.0
3966.0	42.5°	3687.1	2799.2	825.2	477.8	397.1	343.3	340.8	351.4	367.7	381.6
4405.5	45°	4040.2	3096.0	884.7	448.5	388.1	331.9	326.2	330.2	333.5	339.2
4833.6	47.5°	4348.4	3304.7	867.6	421.6	375.9	318.8	309.0	307.4	297.6	296.8
5216.0	50°	4561.2	3350.4	770.5	394.6	358.0	304.1	288.6	278.9	261.7	253.6
5502.2	52.5°	4628.9	3170.2	629.5	367.7	328.6	284.6	262.6	247.1	225.9	218.5
5666.9	55°	4539.2	2817.1	503.1	335.1	287.8	258.5	234.0	213.6	196.5	187.5
5684.8	57.5°	4319.9	2367.9	397.9	296.8	244.6	229.1	204.7	184.3	169.6	160.6
5485.9	60°	3956.2	1880.3	314.7	251.1	208.7	197.3	172.0	159.0	146.0	135.4
4972.2	62.5°	3404.2	1342.1	247.1	199.0	174.5	161.4	146.8	137.0	121.5	106.8
4048.4	65°	2656.5	821.1	190.8	146.0	140.2	133.7	124.8	115.8	97.0	82.4
2641.0	67.5°	1675.6	388.9	136.2	110.1	110.9	107.6	103.6	96.2	82.4	69.3
1183.1	70°	737.9	188.4	89.7	84.0	82.4	82.4	85.6	83.2	70.1	57.9
411.0	72.5°	251.1	101.1	66.9	63.6	59.5	58.7	71.8	69.3	56.3	44.8
204.7	75°	131.3	67.7	48.9	45.7	35.9	43.2	57.1	53.8	40.0	29.4
135.4	77.5°	85.6	48.1	33.4	29.4	20.4	28.5	42.4	37.5	23.6	14.7
88.9	80°	53.8	31.8	19.6	13.9	9.8	15.5	22.8	16.3	9.0	3.3
52.2	82.5°	28.5	16.3	7.3	4.9	4.1	4.9	5.7	4.1	1.6	0.0
26.9	85°	11.4	5.7	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.9	87.5°	4.1	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°
1612.8
1506.8
1261.4
940.1
634.4
513.7
500.6
493.3
481.9
470.5
463.1
457.4
451.7
446.0
441.9
437.0
421.6
387.3
342.5
296.0
254.4
217.7
187.5
159.0
132.9
104.4
79.9
67.7
55.4
42.4
26.9
13.0
2.4
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