

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: P847086

Luminaire Tested: **GLAN-SB3A-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13086 lumens  
Efficiency: N/A  
Efficacy: 154.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

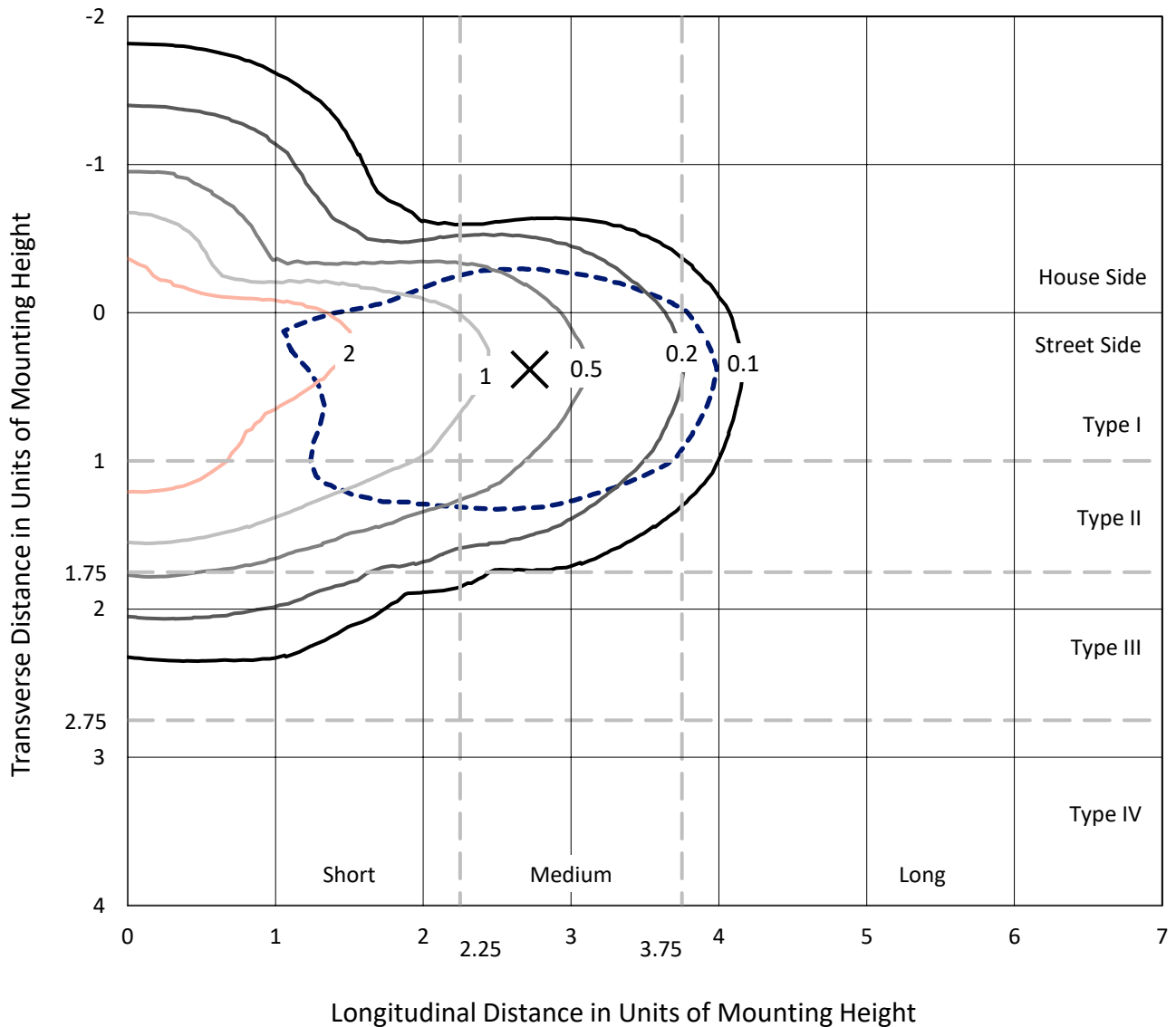
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

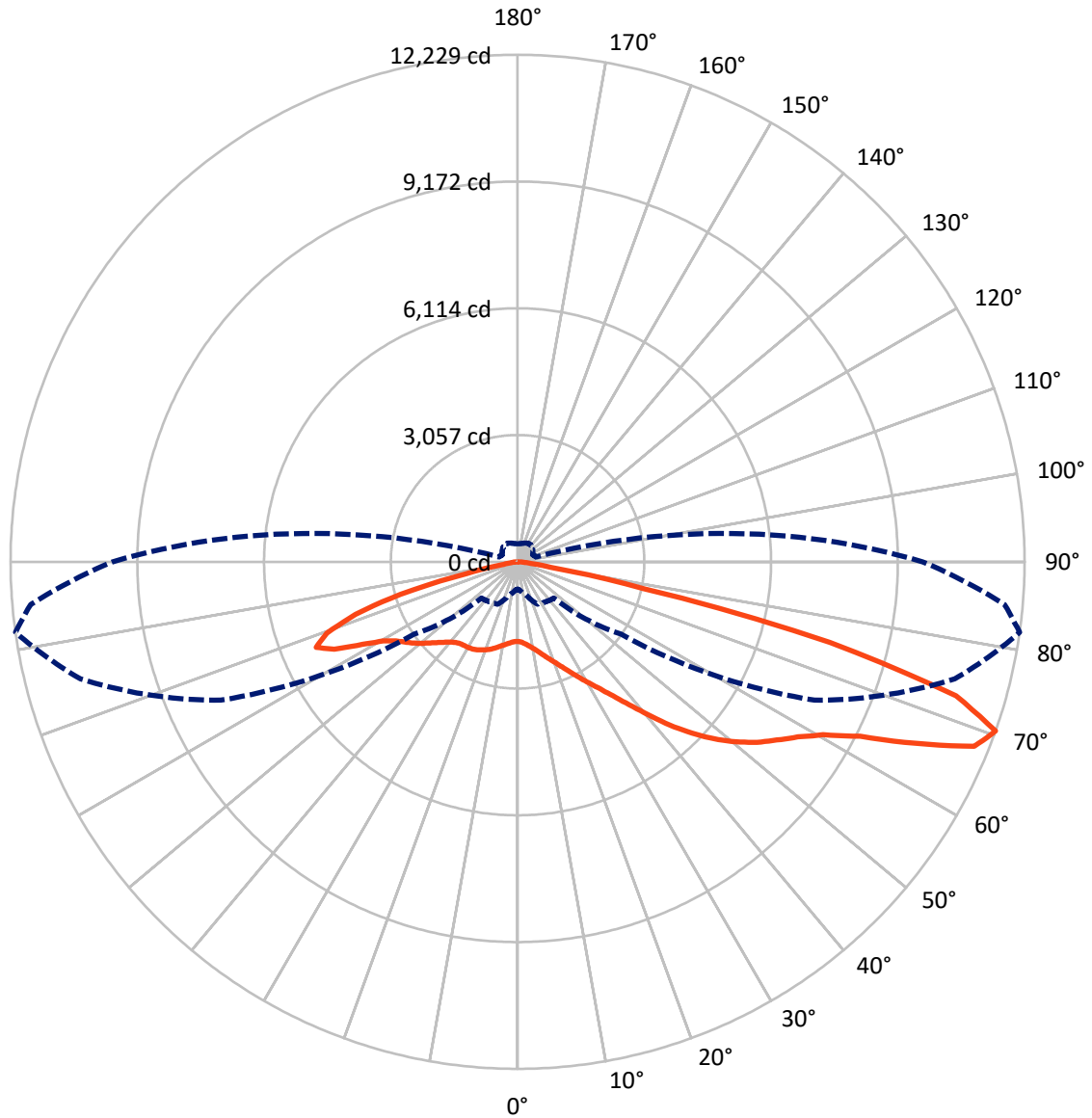
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3226.0	0.0	3226.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	9860.0	0.0	9860.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	13086.0	0.0	13086.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.1	1.4
10°-20°	520.4	4.0
20°-30°	870.7	6.7
30°-40°	1360.2	10.4
40°-50°	2166.3	16.6
50°-60°	3014.6	23.0
60°-70°	3153.4	24.1
70°-80°	1648.1	12.6
80°-90°	171.1	1.3
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°	13086.0	100.0
0°-180°	13086.0	100.0

**Coefficient of Utilization**

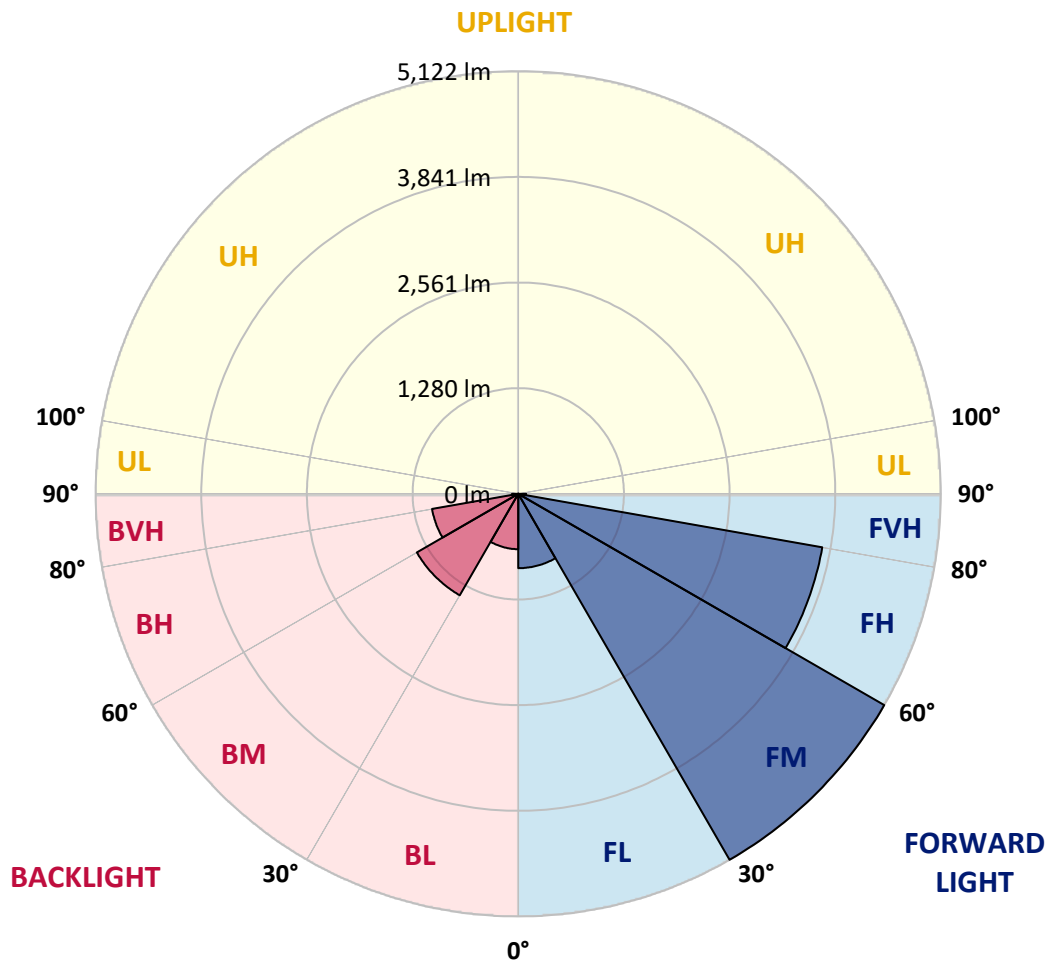


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.1	6.9			
FM (30°-60°)	5121.7	39.1			
FH (60°-80°)	3741.3	28.6			G2/5000
FVH (80°-90°)	95.8	0.7			G1/100
BL (0°-30°)	671.1	5.1	B2/1000		
BM (30°-60°)	1419.3	10.8	B2/2500		
BH (60°-80°)	1060.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	75.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6
2.5°	1964.4	1975.5	1972.0	1968.6	1968.6	1963.7	1963.0	1956.1	1950.5	1941.5
5°	1989.4	2001.2	1999.8	2002.6	2011.6	2013.7	2015.8	2011.6	2000.5	1989.4
7.5°	1967.2	1980.4	1984.5	2001.2	2029.0	2054.0	2072.7	2080.4	2069.9	2054.0
10°	1892.2	1906.8	1921.3	1960.9	2010.2	2069.3	2119.2	2149.1	2147.0	2131.7
12.5°	1740.1	1755.4	1786.6	1863.7	1954.0	2058.1	2151.2	2213.7	2235.2	2224.1
15°	1618.6	1631.8	1655.4	1734.6	1851.9	2010.2	2163.0	2284.5	2339.4	2333.1
17.5°	1615.1	1620.7	1635.3	1672.8	1763.0	1935.2	2150.5	2353.9	2458.8	2458.1
20°	1676.2	1678.3	1686.6	1694.3	1745.7	1878.3	2118.6	2411.6	2592.8	2592.8
22.5°	1760.9	1759.6	1767.9	1760.9	1785.9	1873.4	2098.4	2462.3	2742.1	2753.2
25°	1888.0	1881.1	1879.0	1863.0	1867.9	1918.6	2120.6	2519.9	2919.2	2942.1
27.5°	2057.4	2046.3	2038.7	2001.9	1989.4	2011.6	2188.7	2589.3	3116.4	3156.0
30°	2278.3	2258.1	2247.0	2183.1	2138.0	2141.5	2291.5	2681.7	3322.6	3386.5
32.5°	2579.6	2548.4	2518.5	2413.7	2331.0	2304.0	2424.1	2809.5	3546.2	3648.3
35°	2917.1	2892.1	2860.2	2698.4	2571.3	2508.8	2603.2	2987.9	3808.0	3969.8
37.5°	3242.1	3220.5	3235.8	3017.8	2853.9	2762.9	2837.9	3227.5	4130.9	4369.7
40°	3578.1	3561.5	3563.6	3355.2	3164.3	3062.2	3122.6	3528.1	4501.0	4845.4
42.5°	3943.4	3930.9	3889.2	3704.5	3490.0	3394.8	3450.4	3875.3	4898.2	5387.0
45°	4352.4	4344.7	4305.8	4094.1	3848.3	3741.3	3816.3	4258.6	5297.4	5896.7
47.5°	4705.8	4712.1	4707.2	4528.7	4273.9	4117.0	4206.6	4658.6	5668.9	6375.8
50°	4875.9	4908.6	4956.5	4900.9	4742.6	4582.9	4600.3	5044.7	6023.0	6825.1
52.5°	4787.1	4848.9	4979.4	5068.3	5129.4	5096.1	5049.5	5428.0	6356.4	7230.6
55°	4455.8	4542.6	4759.3	4973.8	5285.6	5528.0	5589.1	5852.9	6681.3	7587.5
57.5°	3852.4	3993.4	4187.8	4621.8	5146.7	5737.0	6218.2	6442.5	7025.7	7968.7
60°	2817.8	3006.7	3248.3	3894.1	4660.7	5625.2	6753.5	7347.9	7515.3	8462.4
62.5°	1803.3	1920.0	2142.2	2750.4	3631.6	5052.3	6917.4	8479.8	8345.1	9272.1
65°	1234.6	1309.6	1513.1	1854.7	2347.7	3760.8	6478.6	9328.3	9663.0	10555.3
67.5°	897.1	954.1	1127.7	1427.0	1529.7	2225.5	5027.3	9289.4	10944.1	11877.4
70°	654.1	694.4	840.2	1127.7	1177.0	1238.1	3045.5	7896.5	10916.3	12228.7
72.5°	484.7	512.5	610.4	874.9	952.7	836.0	1507.5	5739.0	9380.4	11060.8
75°	350.7	371.5	443.7	669.4	762.4	636.7	752.0	3353.9	6543.1	7780.5
77.5°	268.0	284.0	331.2	490.2	610.4	477.7	466.6	1542.9	3102.5	3117.8
80°	215.3	225.7	251.4	345.1	468.0	357.6	304.1	622.9	980.5	829.8
82.5°	158.3	175.7	212.5	242.3	334.7	246.5	185.4	314.6	372.9	320.8
85°	90.3	102.1	128.5	173.6	213.9	150.7	106.2	139.6	173.6	142.3
87.5°	31.9	41.7	45.1	68.0	93.0	62.5	41.0	40.3	56.9	42.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847086  
 CATALOG NUMBER: GLAN-SB3A-735-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1918.6	0°	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6	1918.6
1939.4	2.5°	1932.5	1929.0	1915.1	1896.4	1876.9	1858.2	1851.9	1838.7	1829.7	1824.8
1984.5	5°	1971.3	1960.2	1927.6	1885.9	1842.2	1795.0	1761.6	1731.1	1708.9	1688.0
2046.3	7.5°	2026.9	2007.5	1951.2	1878.3	1800.5	1722.1	1663.7	1619.3	1589.4	1570.0
2118.6	10°	2091.5	2061.6	1975.5	1866.5	1746.4	1633.9	1565.1	1526.9	1508.2	1497.8
2201.2	12.5°	2165.8	2123.4	2000.5	1839.4	1663.7	1535.3	1488.1	1476.9	1477.6	1478.3
2305.3	15°	2257.4	2198.4	2020.6	1780.4	1556.1	1459.6	1451.3	1469.3	1488.1	1497.1
2423.4	17.5°	2360.9	2277.6	2024.1	1683.2	1450.6	1411.0	1437.4	1476.3	1504.7	1517.2
2555.3	20°	2472.0	2358.1	1999.1	1545.7	1363.8	1371.4	1418.6	1468.6	1499.9	1515.8
2706.0	22.5°	2599.1	2444.2	1939.4	1401.3	1292.9	1328.3	1383.9	1432.5	1465.1	1481.1
2883.1	25°	2744.2	2540.7	1845.7	1279.7	1231.8	1279.7	1335.3	1375.6	1402.0	1416.5
3081.0	27.5°	2905.3	2641.4	1720.7	1183.2	1178.4	1229.7	1275.6	1306.8	1320.7	1331.8
3291.4	30°	3067.1	2733.1	1569.3	1110.3	1131.8	1180.4	1213.1	1227.0	1231.1	1233.2
3526.1	32.5°	3242.1	2812.2	1410.3	1049.9	1087.4	1132.5	1152.0	1158.2	1138.8	1125.6
3810.8	35°	3453.8	2897.0	1254.7	1002.0	1043.7	1082.5	1088.8	1083.2	1060.3	1033.2
4167.7	37.5°	3715.6	3002.5	1130.5	968.0	1002.7	1028.4	1020.7	1019.3	1021.4	989.5
4596.8	40°	4036.4	3140.0	1039.5	941.6	969.4	974.9	953.4	965.2	975.6	927.0
5067.6	42.5°	4392.6	3305.9	981.9	923.5	941.6	928.4	895.1	908.2	906.9	843.0
5540.5	45°	4755.8	3486.5	961.7	910.3	915.9	889.5	852.7	856.2	827.0	769.4
5993.9	47.5°	5116.9	3680.2	974.2	899.2	883.9	854.1	825.6	810.3	767.3	724.2
6428.6	50°	5471.0	3883.7	1020.0	877.0	840.2	822.8	802.0	774.9	729.1	692.3
6839.6	52.5°	5799.5	4088.5	1071.4	840.2	785.3	795.8	782.6	751.3	706.2	668.7
7228.5	55°	6110.5	4293.3	1091.6	789.5	734.0	772.2	764.5	706.9	652.7	622.2
7635.4	57.5°	6449.4	4539.9	1069.3	724.9	692.3	745.1	715.9	652.0	620.8	597.9
8165.2	60°	6918.8	4926.6	1021.4	645.1	652.7	704.8	654.8	628.4	594.4	568.7
8959.6	62.5°	7698.6	5648.1	944.4	565.9	606.2	645.1	625.6	599.2	564.5	539.5
10317.8	65°	8851.3	6650.8	799.2	504.1	554.1	586.8	594.4	568.0	531.9	505.5
11508.0	67.5°	9823.4	7279.9	604.8	452.7	500.6	539.5	561.1	535.4	497.2	471.5
11786.4	70°	9769.9	6823.0	461.8	402.0	453.4	493.0	520.8	500.6	459.7	435.4
10705.9	72.5°	8677.7	5707.8	373.6	350.7	405.5	444.4	477.7	462.5	420.8	397.2
7843.0	75°	6375.1	4051.7	298.6	298.6	345.8	393.7	430.5	420.8	382.6	365.9
3292.7	77.5°	2687.2	1699.8	234.0	247.9	287.5	338.2	384.0	387.5	354.1	375.0
870.8	80°	714.5	468.7	178.5	195.1	225.7	279.1	334.0	332.6	296.5	277.1
323.6	82.5°	272.2	184.7	127.1	137.5	163.2	213.9	264.6	272.9	236.8	204.8
127.1	85°	104.9	79.2	78.5	82.6	95.1	141.7	200.0	206.9	178.5	151.4
35.4	87.5°	27.1	23.6	29.2	27.8	43.7	75.7	114.6	118.7	109.0	63.2
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>
1918.6
1830.4
1696.4
1574.2
1500.6
1479.7
1496.4
1520.0
1520.0
1485.3
1420.7
1336.0
1238.1
1129.8
1034.6
991.6
928.4
842.3
771.5
724.2
689.5
669.4
619.4
595.8
567.3
539.5
506.9
472.2
437.5
397.2
361.1
340.2
257.6
204.8
156.2
90.3
0.0

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