

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: P846296

Luminaire Tested: **GLAN-SB1D-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846296  
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-SB1D-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8351 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

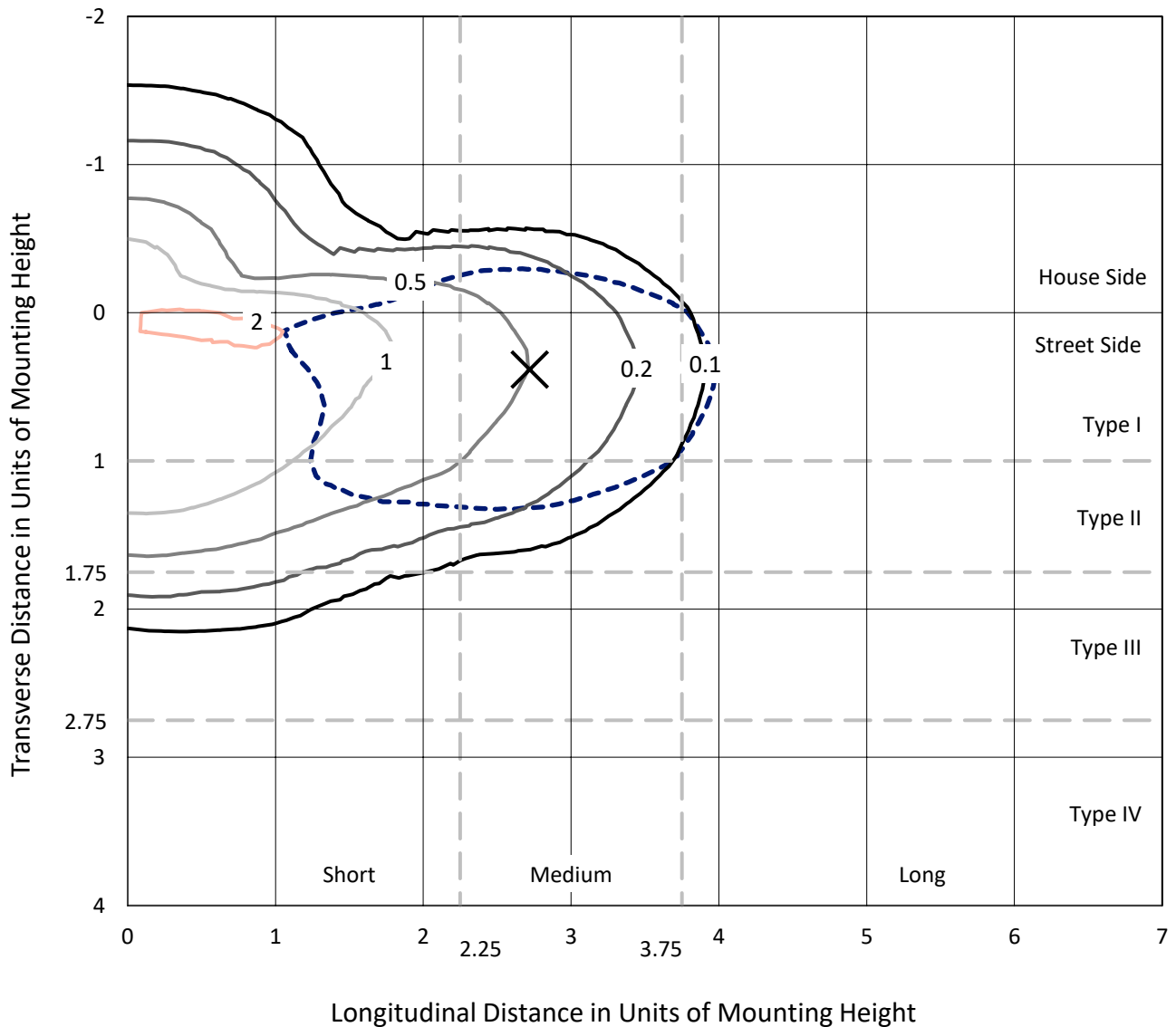
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

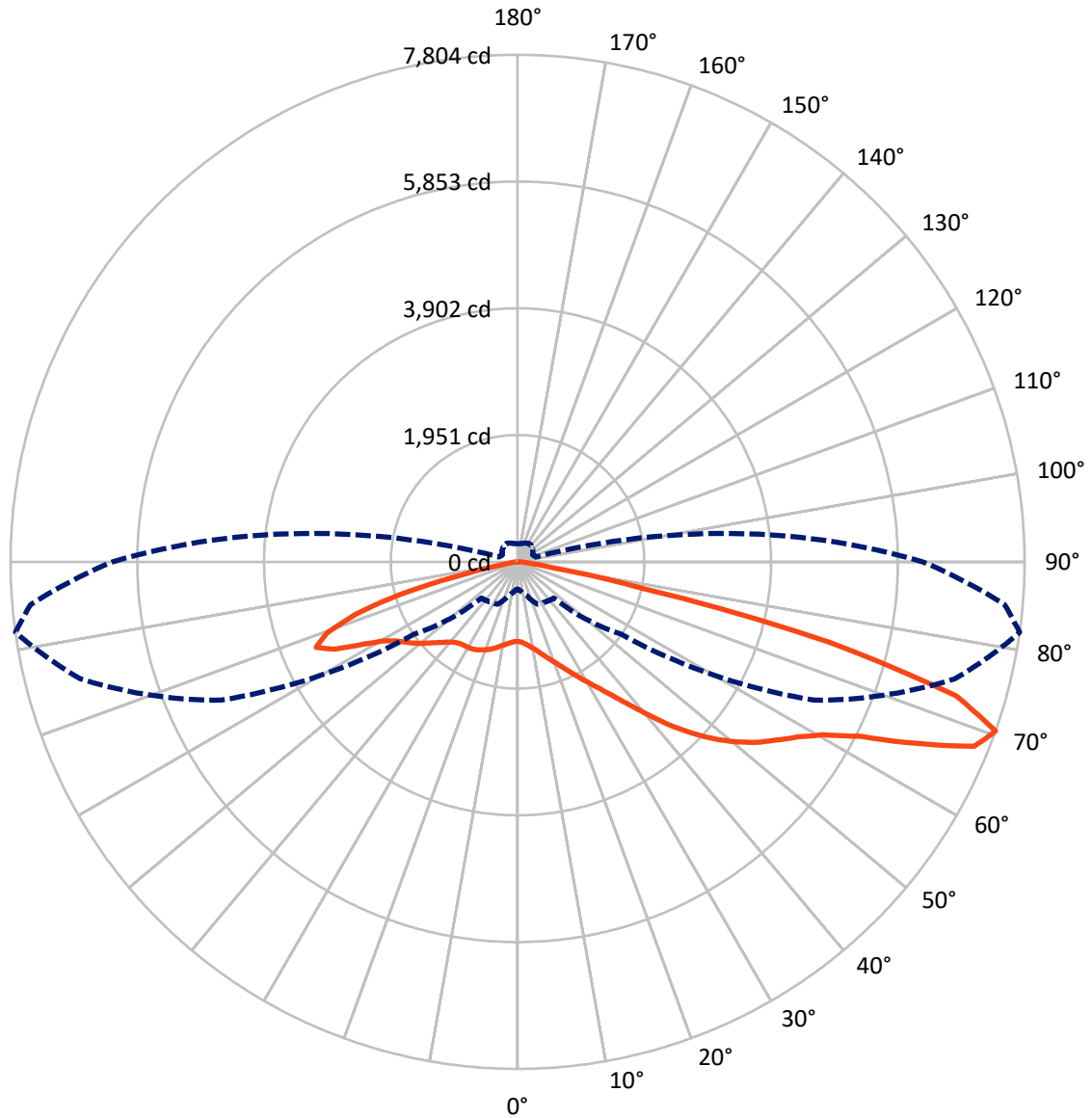
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	2058.7	0.0	2058.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	6292.3	0.0	6292.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	8351.0	0.0	8351.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.6	1.4
10°-20°	332.1	4.0
20°-30°	555.6	6.7
30°-40°	868.0	10.4
40°-50°	1382.4	16.6
50°-60°	1923.8	23.0
60°-70°	2012.4	24.1
70°-80°	1051.8	12.6
80°-90°	109.2	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°	8351.0	100.0
0°-180°	8351.0	100.0

**Coefficient of Utilization**



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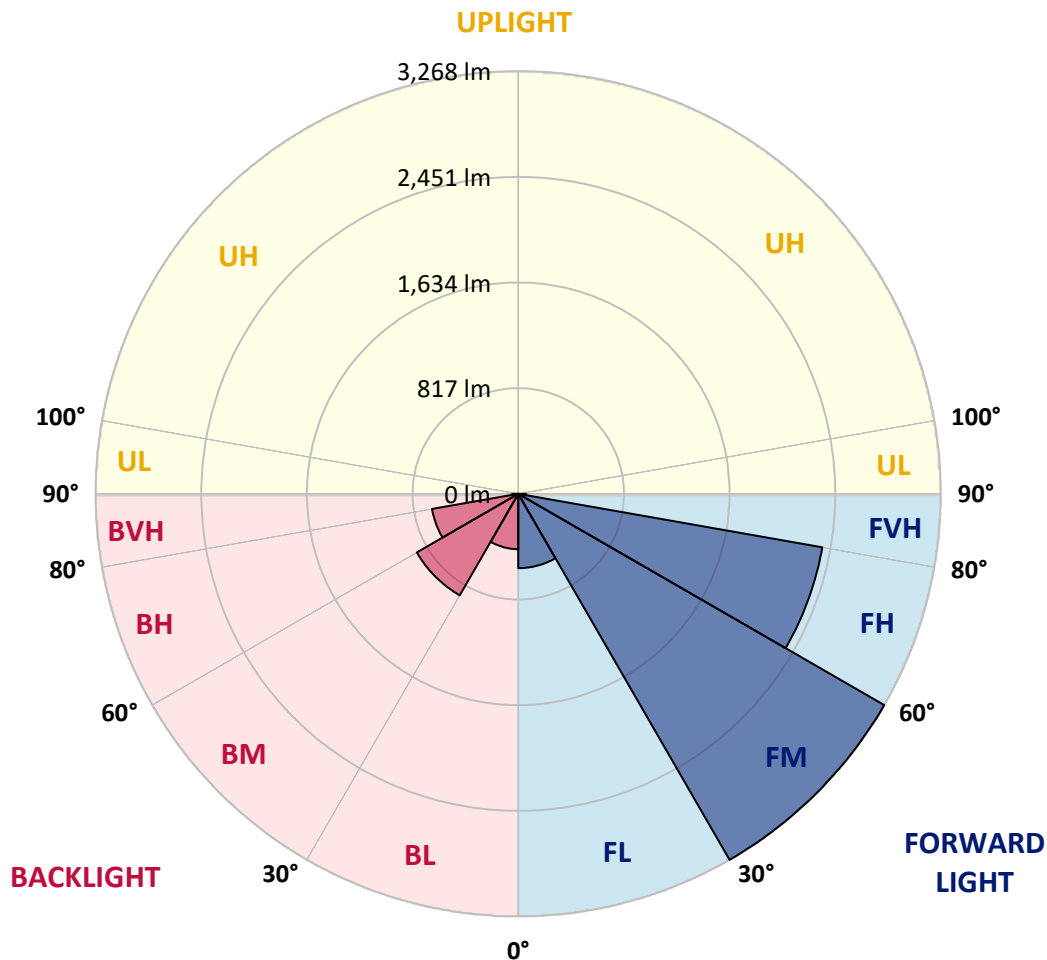
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.1	6.9			
FM (30°-60°)	3268.5	39.1			
FH (60°-80°)	2387.6	28.6			G2/5000
FVH (80°-90°)	61.1	0.7			G1/100
BL (0°-30°)	428.3	5.1	B1/500		
BM (30°-60°)	905.8	10.8	B1/1000		
BH (60°-80°)	676.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	48.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4
2.5°	1253.6	1260.7	1258.5	1256.3	1256.3	1253.2	1252.7	1248.3	1244.7	1239.0
5°	1269.6	1277.1	1276.2	1278.0	1283.7	1285.1	1286.4	1283.7	1276.7	1269.6
7.5°	1255.4	1263.8	1266.5	1277.1	1294.8	1310.8	1322.7	1327.6	1321.0	1310.8
10°	1207.5	1216.8	1226.1	1251.4	1282.9	1320.5	1352.4	1371.5	1370.1	1360.4
12.5°	1110.5	1120.2	1140.2	1189.4	1247.0	1313.4	1372.8	1412.7	1426.4	1419.3
15°	1032.9	1041.3	1056.4	1106.9	1181.8	1282.9	1380.3	1457.9	1492.9	1488.9
17.5°	1030.7	1034.3	1043.6	1067.5	1125.1	1235.0	1372.4	1502.2	1569.1	1568.7
20°	1069.7	1071.0	1076.4	1081.2	1114.0	1198.7	1352.0	1539.0	1654.6	1654.6
22.5°	1123.8	1122.9	1128.2	1123.8	1139.7	1195.6	1339.1	1571.3	1749.9	1757.0
25°	1204.9	1200.4	1199.1	1188.9	1192.0	1224.4	1353.3	1608.1	1862.9	1877.5
27.5°	1313.0	1305.9	1301.0	1277.5	1269.6	1283.7	1396.7	1652.4	1988.8	2014.0
30°	1453.9	1441.1	1434.0	1393.2	1364.4	1366.6	1462.3	1711.4	2120.4	2161.1
32.5°	1646.2	1626.3	1607.2	1540.3	1487.6	1470.3	1547.0	1792.9	2263.1	2328.2
35°	1861.6	1845.6	1825.2	1722.0	1640.9	1601.0	1661.3	1906.8	2430.1	2533.4
37.5°	2069.0	2055.2	2065.0	1925.8	1821.3	1763.2	1811.1	2059.7	2636.2	2788.6
40°	2283.4	2272.8	2274.1	2141.2	2019.3	1954.2	1992.7	2251.5	2872.4	3092.1
42.5°	2516.5	2508.5	2482.0	2364.1	2227.2	2166.4	2201.9	2473.1	3125.8	3437.8
45°	2777.5	2772.6	2747.8	2612.7	2455.8	2387.6	2435.4	2717.7	3380.6	3763.0
47.5°	3003.1	3007.1	3004.0	2890.1	2727.4	2627.3	2684.5	2972.9	3617.7	4068.8
50°	3111.6	3132.5	3163.0	3127.6	3026.6	2924.6	2935.7	3219.3	3843.7	4355.5
52.5°	3054.9	3094.4	3177.7	3234.4	3273.4	3252.1	3222.4	3463.9	4056.4	4614.3
55°	2843.5	2898.9	3037.2	3174.1	3373.1	3527.7	3566.7	3735.1	4263.8	4842.1
57.5°	2458.5	2548.4	2672.5	2949.5	3284.5	3661.1	3968.2	4111.3	4483.6	5085.3
60°	1798.2	1918.7	2073.0	2485.1	2974.3	3589.8	4309.9	4689.2	4796.0	5400.4
62.5°	1150.8	1225.2	1367.0	1755.2	2317.6	3224.2	4414.4	5411.5	5325.5	5917.1
65°	787.9	835.7	965.6	1183.6	1498.2	2400.0	4134.4	5953.0	6166.6	6736.0
67.5°	572.5	608.9	719.6	910.6	976.2	1420.2	3208.2	5928.2	6984.1	7579.7
70°	417.4	443.1	536.2	719.6	751.1	790.1	1943.6	5039.2	6966.4	7803.9
72.5°	309.3	327.0	389.5	558.3	608.0	533.5	962.0	3662.4	5986.2	7058.6
75°	223.8	237.1	283.2	427.2	486.6	406.3	479.9	2140.3	4175.6	4965.2
77.5°	171.0	181.2	211.4	312.8	389.5	304.9	297.8	984.6	1979.9	1989.6
80°	137.4	144.0	160.4	220.2	298.7	228.2	194.1	397.5	625.7	529.5
82.5°	101.0	112.1	135.6	154.7	213.6	157.3	118.3	200.7	238.0	204.7
85°	57.6	65.1	82.0	110.8	136.5	96.2	67.8	89.1	110.8	90.8
87.5°	20.4	26.6	28.8	43.4	59.4	39.9	26.1	25.7	36.3	27.0
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°
1224.4	0°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4
1237.7	2.5°	1233.2	1231.0	1222.1	1210.2	1197.8	1185.8	1181.8	1173.4	1167.6	1164.5
1266.5	5°	1258.0	1250.9	1230.1	1203.5	1175.6	1145.5	1124.2	1104.7	1090.5	1077.2
1305.9	7.5°	1293.5	1281.1	1245.2	1198.7	1149.0	1099.0	1061.7	1033.4	1014.3	1001.9
1352.0	10°	1334.7	1315.6	1260.7	1191.1	1114.5	1042.7	998.8	974.4	962.5	955.8
1404.7	12.5°	1382.1	1355.1	1276.7	1173.8	1061.7	979.8	949.6	942.5	943.0	943.4
1471.2	15°	1440.6	1402.9	1289.5	1136.2	993.0	931.5	926.1	937.7	949.6	955.4
1546.5	17.5°	1506.6	1453.5	1291.7	1074.1	925.7	900.4	917.3	942.1	960.3	968.2
1630.7	20°	1577.5	1504.9	1275.8	986.4	870.3	875.2	905.3	937.2	957.2	967.3
1726.9	22.5°	1658.6	1559.8	1237.7	894.2	825.1	847.7	883.2	914.2	935.0	945.2
1839.9	25°	1751.2	1621.4	1177.8	816.7	786.1	816.7	852.1	877.8	894.7	904.0
1966.2	27.5°	1854.0	1685.7	1098.1	755.1	752.0	784.8	814.0	834.0	842.8	849.9
2100.4	30°	1957.3	1744.1	1001.5	708.6	722.3	753.3	774.1	783.0	785.7	787.0
2250.2	32.5°	2069.0	1794.7	900.0	670.0	693.9	722.7	735.1	739.1	726.7	718.3
2431.9	35°	2204.1	1848.7	800.7	639.4	666.0	690.8	694.8	691.3	676.7	659.4
2659.7	37.5°	2371.2	1916.1	721.4	617.7	639.9	656.3	651.4	650.5	651.8	631.5
2933.5	40°	2575.9	2003.8	663.4	600.9	618.6	622.2	608.4	615.9	622.6	591.6
3233.9	42.5°	2803.2	2109.7	626.6	589.4	600.9	592.5	571.2	579.6	578.7	538.0
3535.7	45°	3035.0	2224.9	613.7	580.9	584.5	567.6	544.2	546.4	527.8	491.0
3825.1	47.5°	3265.4	2348.6	621.7	573.8	564.1	545.0	526.9	517.1	489.7	462.2
4102.5	50°	3491.4	2478.4	651.0	559.7	536.2	525.1	511.8	494.5	465.3	441.8
4364.8	52.5°	3701.0	2609.1	683.7	536.2	501.2	507.8	499.4	479.5	450.7	426.7
4613.0	55°	3899.5	2739.9	696.6	503.8	468.4	492.8	487.9	451.1	416.5	397.0
4872.6	57.5°	4115.8	2897.2	682.4	462.6	441.8	475.5	456.9	416.1	396.2	381.5
5210.7	60°	4415.3	3144.0	651.8	411.7	416.5	449.8	417.9	401.0	379.3	362.9
5717.7	62.5°	4913.0	3604.4	602.7	361.1	386.9	411.7	399.3	382.4	360.3	344.3
6584.4	65°	5648.5	4244.3	510.0	321.7	353.6	374.4	379.3	362.5	339.4	322.6
7344.0	67.5°	6268.9	4645.7	386.0	288.9	319.5	344.3	358.0	341.7	317.3	300.9
7521.6	70°	6234.8	4354.2	294.7	256.6	289.4	314.6	332.3	319.5	293.4	277.8
6832.1	72.5°	5537.8	3642.5	238.4	223.8	258.8	283.6	304.9	295.1	268.5	253.5
5005.1	75°	4068.4	2585.6	190.5	190.5	220.7	251.3	274.7	268.5	244.2	233.5
2101.3	77.5°	1714.9	1084.8	149.3	158.2	183.5	215.8	245.0	247.3	226.0	239.3
555.7	80°	456.0	299.1	113.9	124.5	144.0	178.1	213.1	212.3	189.2	176.8
206.5	82.5°	173.7	117.9	81.1	87.7	104.1	136.5	168.8	174.1	151.1	130.7
81.1	85°	66.9	50.5	50.1	52.7	60.7	90.4	127.6	132.1	113.9	96.6
22.6	87.5°	17.3	15.1	18.6	17.7	27.9	48.3	73.1	75.8	69.6	40.3
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°
1224.4
1168.1
1082.6
1004.6
957.6
944.3
954.9
970.0
970.0
947.8
906.6
852.6
790.1
721.0
660.3
632.8
592.5
537.5
492.3
462.2
440.0
427.2
395.3
380.2
362.0
344.3
323.5
301.3
279.2
253.5
230.4
217.1
164.4
130.7
99.7
57.6
0.0

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