

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: P847296

Luminaire Tested: **GLAN-SB3B-827-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847296  
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-SB3B-827-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13347 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

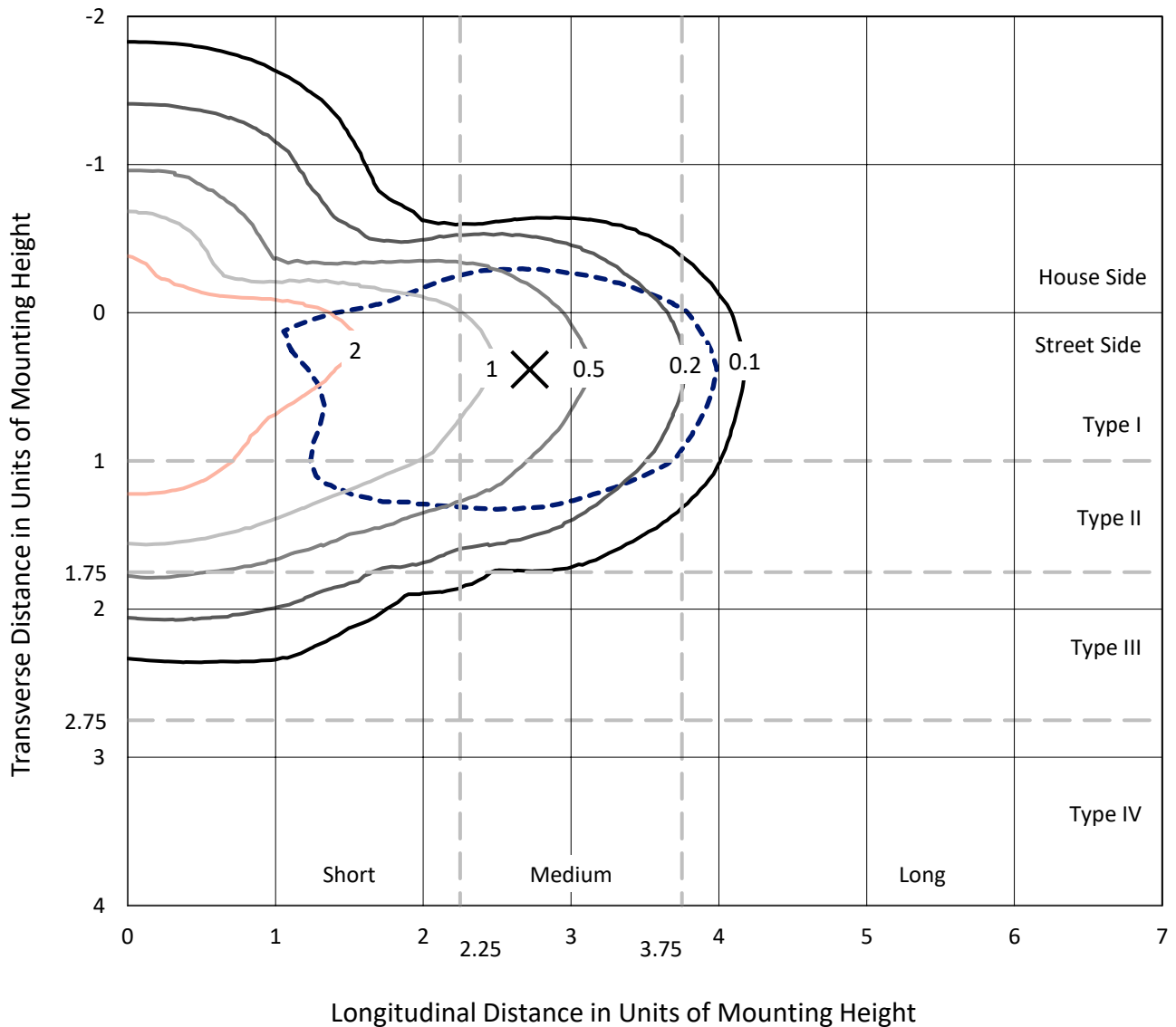
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

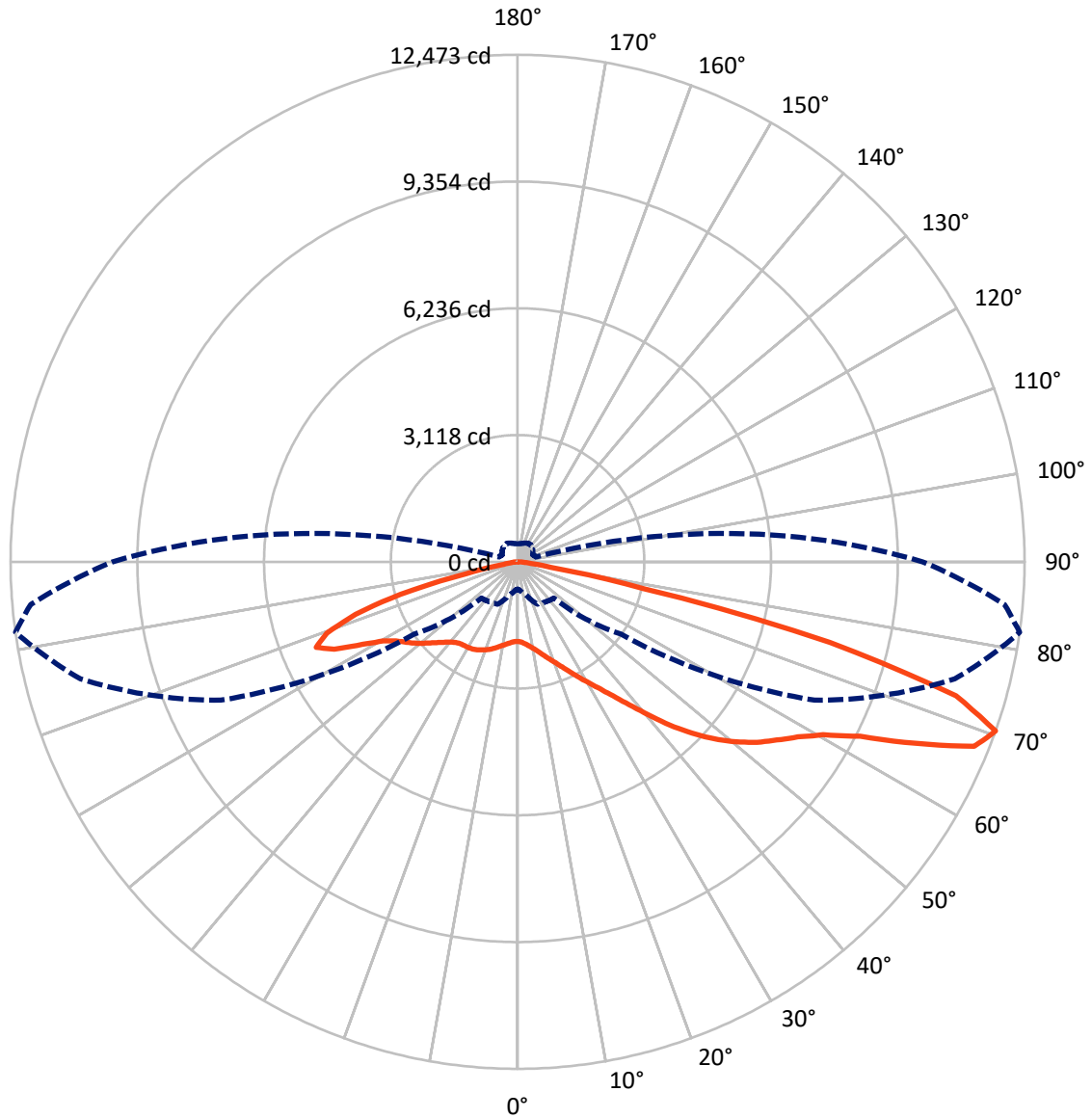
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	3290.4	0.0	3290.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10056.6	0.0	10056.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	13347.0	0.0	13347.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	1.4
10°-20°	530.8	4.0
20°-30°	888.0	6.7
30°-40°	1387.3	10.4
40°-50°	2209.5	16.6
50°-60°	3074.7	23.0
60°-70°	3216.3	24.1
70°-80°	1681.0	12.6
80°-90°	174.6	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°	13347.0	100.0
0°-180°	13347.0	100.0

**Coefficient of Utilization**

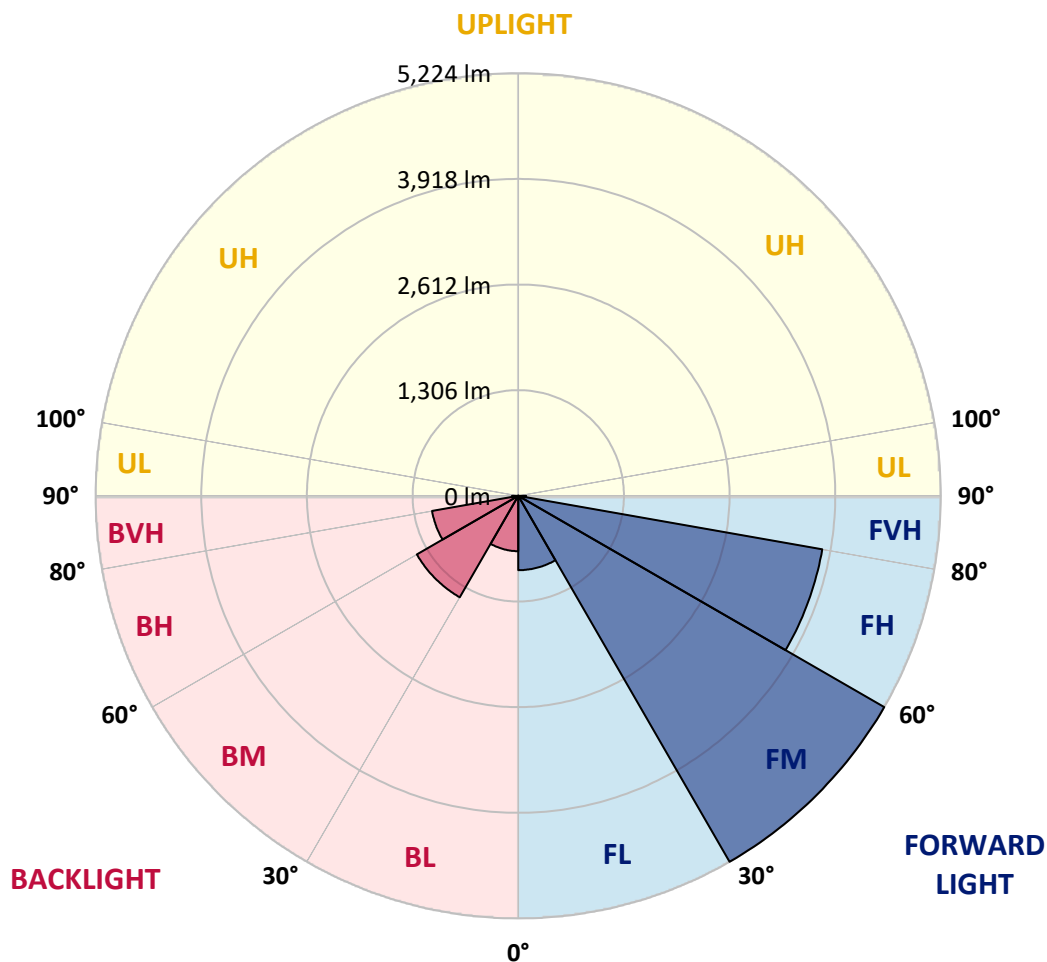


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.1	6.9			
FM (30°-60°)	5223.9	39.1			
FH (60°-80°)	3816.0	28.6			G2/5000
FVH (80°-90°)	97.7	0.7			G1/100
BL (0°-30°)	684.5	5.1	B2/1000		
BM (30°-60°)	1447.6	10.8	B2/2500		
BH (60°-80°)	1081.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	76.8	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°	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8
2.5°	2003.6	2014.9	2011.4	2007.8	2007.8	2002.9	2002.2	1995.1	1989.4	1980.2
5°	2029.1	2041.1	2039.7	2042.5	2051.7	2053.9	2056.0	2051.7	2040.4	2029.1
7.5°	2006.4	2019.9	2024.1	2041.1	2069.4	2094.9	2114.1	2121.9	2111.2	2094.9
10°	1929.9	1944.8	1959.7	2000.0	2050.3	2110.5	2161.5	2192.0	2189.8	2174.3
12.5°	1774.8	1790.4	1822.3	1900.9	1993.0	2099.2	2194.1	2257.8	2279.8	2268.5
15°	1650.9	1664.3	1688.4	1769.2	1888.8	2050.3	2206.1	2330.1	2386.0	2379.6
17.5°	1647.3	1653.0	1667.9	1706.1	1798.2	1973.8	2193.4	2400.9	2507.8	2507.1
20°	1709.7	1711.8	1720.3	1728.1	1780.5	1915.8	2160.8	2459.7	2644.5	2644.5
22.5°	1796.1	1794.7	1803.2	1796.1	1821.6	1910.8	2140.3	2511.4	2796.8	2808.1
25°	1925.7	1918.6	1916.5	1900.2	1905.1	1956.8	2162.9	2570.2	2977.4	3000.8
27.5°	2098.5	2087.2	2079.4	2041.8	2029.1	2051.7	2232.3	2641.0	3178.5	3218.9
30°	2323.7	2303.2	2291.8	2226.7	2180.6	2184.2	2337.2	2735.2	3388.9	3454.0
32.5°	2631.1	2599.2	2568.7	2461.8	2377.5	2349.9	2472.4	2865.5	3616.9	3721.0
35°	2975.3	2949.8	2917.2	2752.2	2622.6	2558.8	2655.2	3047.5	3883.9	4048.9
37.5°	3306.7	3284.8	3300.3	3078.0	2910.8	2818.0	2894.5	3291.8	4213.3	4456.9
40°	3649.5	3632.5	3634.6	3422.2	3227.4	3123.3	3184.9	3598.5	4590.7	4942.0
42.5°	4022.0	4009.3	3966.8	3778.4	3559.6	3462.5	3519.2	3952.6	4995.8	5494.4
45°	4439.2	4431.4	4391.7	4175.7	3925.0	3815.9	3892.4	4343.6	5403.1	6014.3
47.5°	4799.7	4806.0	4801.1	4619.1	4359.2	4199.1	4290.5	4751.5	5782.0	6503.0
50°	4973.2	5006.5	5055.3	4998.7	4837.2	4674.3	4692.0	5145.3	6143.2	6961.2
52.5°	4882.5	4945.6	5078.7	5169.4	5231.7	5197.7	5150.2	5536.2	6483.1	7374.8
55°	4544.7	4633.2	4854.2	5073.0	5391.0	5638.2	5700.5	5969.7	6814.6	7738.8
57.5°	3929.3	4073.0	4271.3	4714.0	5249.4	5851.4	6342.2	6570.9	7165.9	8127.6
60°	2874.0	3066.6	3313.1	3971.7	4753.6	5737.4	6888.2	7494.5	7665.2	8631.2
62.5°	1839.3	1958.3	2184.9	2805.3	3704.0	5153.1	7055.4	8648.9	8511.5	9457.0
65°	1259.2	1335.7	1543.2	1891.7	2394.5	3835.8	6607.8	9514.4	9855.7	10765.8
67.5°	915.0	973.1	1150.2	1455.4	1560.2	2269.9	5127.6	9474.7	11162.4	12114.3
70°	667.2	708.2	857.0	1150.2	1200.4	1262.8	3106.3	8054.0	11134.1	12472.6
72.5°	494.3	522.7	622.5	892.4	971.7	852.7	1537.6	5853.5	9567.5	11281.4
75°	357.7	378.9	452.6	682.7	777.6	649.4	767.0	3420.7	6673.6	7935.7
77.5°	273.4	289.7	337.8	500.0	622.5	487.3	475.9	1573.7	3164.4	3179.9
80°	219.6	230.2	256.4	352.0	477.3	364.7	310.2	635.3	1000.0	846.3
82.5°	161.5	179.2	216.7	247.2	341.4	251.4	189.1	320.8	380.3	327.2
85°	92.1	104.1	131.0	177.1	218.1	153.7	108.4	142.4	177.1	145.2
87.5°	32.6	42.5	46.0	69.4	94.9	63.7	41.8	41.1	58.1	43.2
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°
1956.8	0°	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8	1956.8
1978.1	2.5°	1971.0	1967.5	1953.3	1934.2	1914.3	1895.2	1888.8	1875.4	1866.2	1861.2
2024.1	5°	2010.7	1999.3	1966.0	1923.6	1878.9	1830.8	1796.8	1765.6	1743.0	1721.7
2087.2	7.5°	2067.3	2047.5	1990.1	1915.8	1836.4	1756.4	1696.9	1651.6	1621.1	1601.3
2160.8	10°	2133.2	2102.7	2014.9	1903.7	1781.2	1666.5	1596.3	1557.4	1538.3	1527.7
2245.1	12.5°	2209.0	2165.8	2040.4	1876.1	1696.9	1565.9	1517.7	1506.4	1507.1	1507.8
2351.3	15°	2302.5	2242.3	2060.9	1815.9	1587.1	1488.7	1480.2	1498.6	1517.7	1526.9
2471.7	17.5°	2408.0	2323.0	2064.5	1716.7	1479.5	1439.1	1466.0	1505.7	1534.7	1547.5
2606.3	20°	2521.3	2405.1	2039.0	1576.5	1391.0	1398.8	1446.9	1497.9	1529.8	1546.1
2760.0	22.5°	2650.9	2493.0	1978.1	1429.2	1318.7	1354.8	1411.5	1461.1	1494.4	1510.7
2940.6	25°	2798.9	2591.4	1882.5	1305.3	1256.4	1305.3	1361.9	1403.0	1429.9	1444.8
3142.4	27.5°	2963.2	2694.1	1755.0	1206.8	1201.9	1254.3	1301.0	1332.9	1347.1	1358.4
3357.0	30°	3128.2	2787.6	1600.6	1132.5	1154.4	1204.0	1237.3	1251.4	1255.7	1257.8
3596.4	32.5°	3306.7	2868.3	1438.4	1070.8	1109.1	1155.1	1175.0	1181.3	1161.5	1148.0
3886.8	35°	3522.7	2954.7	1279.8	1022.0	1064.5	1104.1	1110.5	1104.8	1081.5	1053.8
4250.8	37.5°	3789.7	3062.4	1153.0	987.3	1022.7	1048.9	1041.1	1039.7	1041.8	1009.2
4688.5	40°	4116.9	3202.6	1060.2	960.4	988.7	994.4	972.4	984.4	995.1	945.5
5168.7	42.5°	4480.3	3371.9	1001.4	941.9	960.4	946.9	912.9	926.4	924.9	859.8
5651.0	45°	4850.7	3556.0	980.9	928.5	934.2	907.2	869.7	873.2	843.5	784.7
6113.4	47.5°	5218.9	3753.6	993.6	917.2	901.6	871.1	842.1	826.5	782.6	738.7
6556.8	50°	5580.1	3961.1	1040.4	894.5	857.0	839.3	818.0	790.4	743.6	706.1
6976.1	52.5°	5915.1	4170.1	1092.8	857.0	801.0	811.6	798.2	766.3	720.3	682.0
7372.7	55°	6232.4	4379.0	1113.3	805.3	748.6	787.6	779.8	721.0	665.7	634.6
7787.7	57.5°	6578.0	4630.4	1090.7	739.4	706.1	759.9	730.2	665.0	633.2	609.8
8328.1	60°	7056.8	5024.9	1041.8	657.9	665.7	718.9	667.9	640.9	606.2	580.0
9138.3	62.5°	7852.1	5760.7	963.2	577.2	618.3	657.9	638.1	611.2	575.8	550.3
10523.6	65°	9027.8	6783.4	815.2	514.2	565.2	598.5	606.2	579.3	542.5	515.6
11737.5	67.5°	10019.3	7425.1	616.9	461.8	510.6	550.3	572.2	546.0	507.1	480.9
12021.5	70°	9964.8	6959.1	471.0	410.1	462.5	502.8	531.2	510.6	468.8	444.1
10919.5	72.5°	8850.7	5821.6	381.0	357.7	413.6	453.3	487.3	471.7	429.2	405.1
7999.4	75°	6502.3	4132.5	304.5	304.5	352.7	401.6	439.1	429.2	390.2	373.2
3358.4	77.5°	2740.8	1733.7	238.7	252.8	293.2	344.9	391.7	395.2	361.2	382.4
888.1	80°	728.8	478.1	182.0	199.0	230.2	284.7	340.7	339.2	302.4	282.6
330.0	82.5°	277.6	188.4	129.6	140.2	166.4	218.1	269.8	278.3	241.5	208.9
129.6	85°	106.9	80.7	80.0	84.3	97.0	144.5	204.0	211.1	182.0	154.4
36.1	87.5°	27.6	24.1	29.7	28.3	44.6	77.2	116.9	121.1	111.2	64.4
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>
1956.8
1866.9
1730.2
1605.6
1530.5
1509.2
1526.2
1550.3
1550.3
1514.9
1449.0
1362.6
1262.8
1152.3
1055.3
1011.4
946.9
859.1
786.8
738.7
703.3
682.7
631.7
607.7
578.6
550.3
517.0
481.6
446.2
405.1
368.3
347.0
262.8
208.9
159.4
92.1
0.0

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