

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: P847006

Luminaire Tested: **GLAN-SB2D-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847006  
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-SB2D-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12985 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

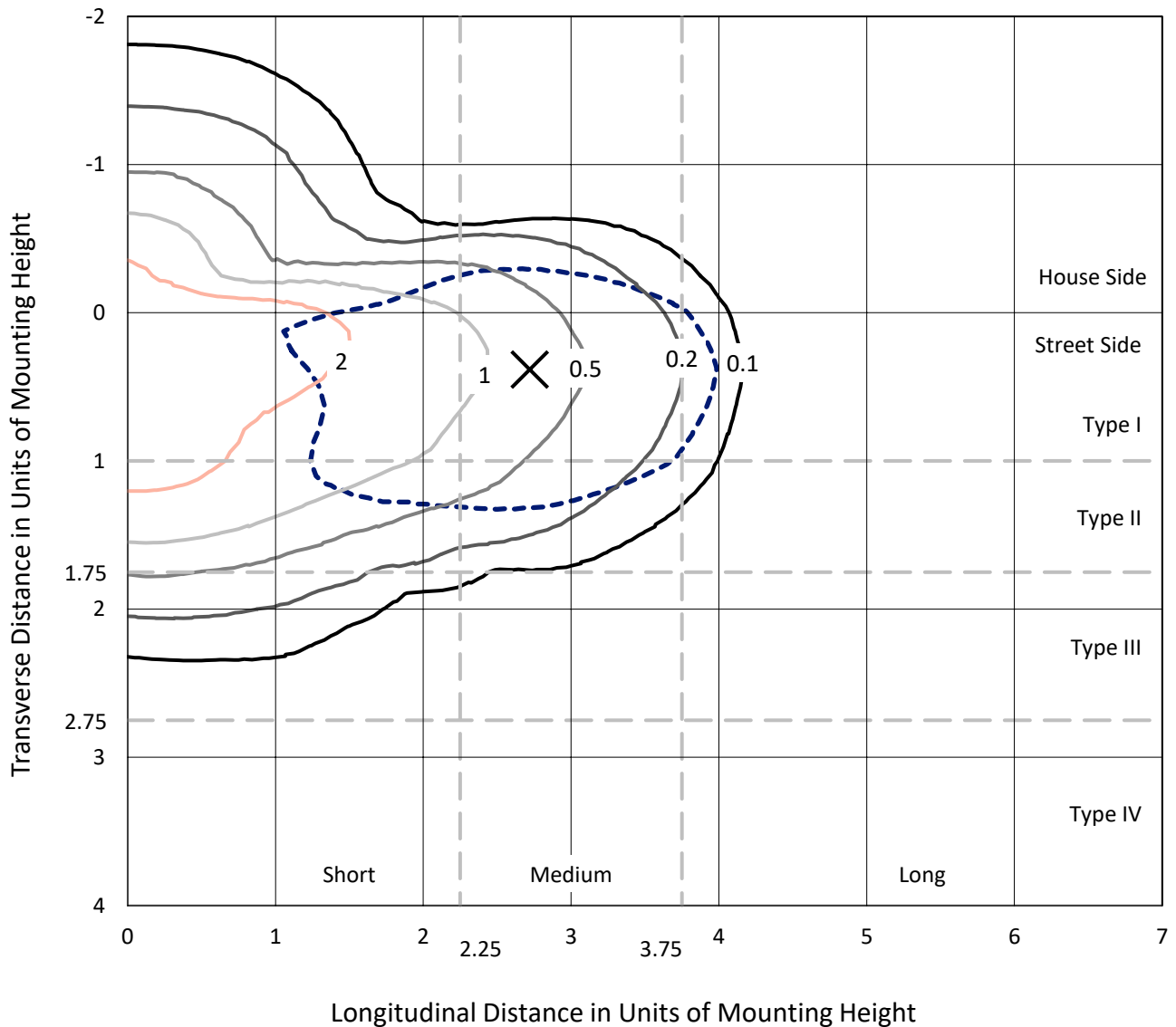
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

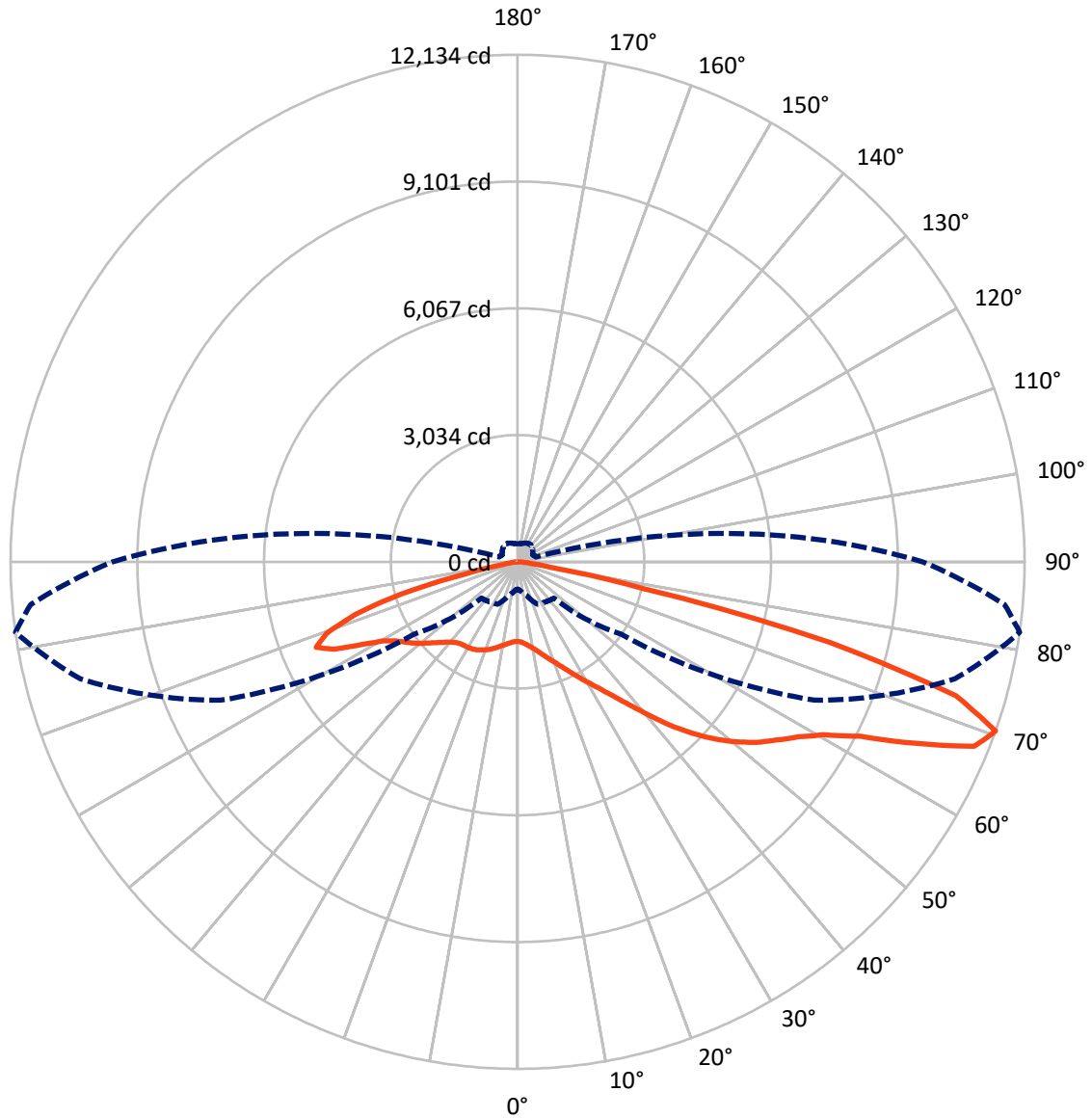
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	3201.1	0.0	3201.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	9783.9	0.0	9783.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	12985.0	0.0	12985.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.7	1.4
10°-20°	516.4	4.0
20°-30°	863.9	6.7
30°-40°	1349.7	10.4
40°-50°	2149.5	16.6
50°-60°	2991.3	23.0
60°-70°	3129.1	24.1
70°-80°	1635.4	12.6
80°-90°	169.8	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°	12985.0	100.0
0°-180°	12985.0	100.0

**Coefficient of Utilization**



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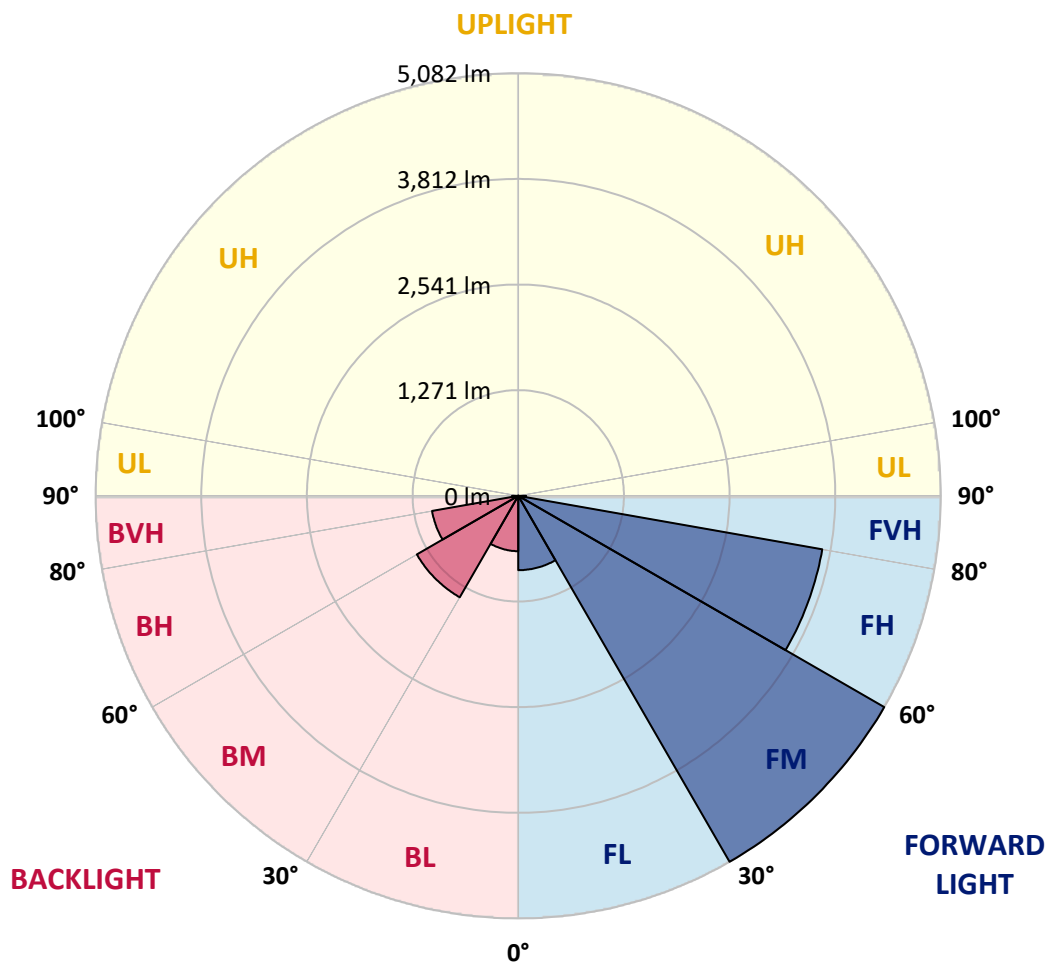
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	894.2	6.9			
FM (30°-60°)	5082.2	39.1			
FH (60°-80°)	3712.4	28.6			G2/5000
FVH (80°-90°)	95.1	0.7			G1/100
BL (0°-30°)	665.9	5.1	B2/1000		
BM (30°-60°)	1408.4	10.8	B2/2500		
BH (60°-80°)	1052.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	74.8	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°	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8
2.5°	1949.2	1960.3	1956.8	1953.4	1953.4	1948.5	1947.9	1941.0	1935.5	1926.5
5°	1974.0	1985.8	1984.4	1987.1	1996.1	1998.2	2000.2	1996.1	1985.1	1974.0
7.5°	1952.0	1965.1	1969.2	1985.8	2013.3	2038.1	2056.7	2064.3	2054.0	2038.1
10°	1877.6	1892.1	1906.5	1945.8	1994.7	2053.3	2102.9	2132.5	2130.5	2115.3
12.5°	1726.7	1741.8	1772.8	1849.3	1938.9	2042.3	2134.6	2196.6	2218.0	2206.9
15°	1606.1	1619.2	1642.6	1721.2	1837.6	1994.7	2146.3	2266.9	2321.3	2315.1
17.5°	1602.7	1608.2	1622.6	1659.9	1749.4	1920.3	2133.9	2335.8	2439.8	2439.1
20°	1663.3	1665.4	1673.6	1681.2	1732.2	1863.8	2102.2	2393.0	2572.8	2572.8
22.5°	1747.4	1746.0	1754.2	1747.4	1772.2	1859.0	2082.2	2443.3	2720.9	2732.0
25°	1873.4	1866.6	1864.5	1848.6	1853.5	1903.8	2104.3	2500.5	2896.6	2919.4
27.5°	2041.6	2030.5	2023.0	1986.4	1974.0	1996.1	2171.8	2569.4	3092.3	3131.6
30°	2260.7	2240.7	2229.7	2166.3	2121.5	2124.9	2273.8	2661.0	3297.0	3360.4
32.5°	2559.7	2528.7	2499.1	2395.0	2313.0	2286.2	2405.4	2787.8	3518.8	3620.1
35°	2894.6	2869.8	2838.1	2677.5	2551.4	2489.4	2583.1	2964.9	3778.6	3939.1
37.5°	3217.0	3195.7	3210.8	2994.5	2831.9	2741.6	2816.0	3202.6	4099.0	4336.0
40°	3550.5	3534.0	3536.1	3329.3	3139.9	3038.6	3098.5	3500.9	4466.2	4808.0
42.5°	3912.9	3900.5	3859.2	3675.9	3463.0	3368.6	3423.7	3845.4	4860.3	5345.4
45°	4318.8	4311.2	4272.6	4062.5	3818.6	3712.4	3786.9	4225.8	5256.5	5851.2
47.5°	4669.5	4675.7	4670.9	4493.8	4240.9	4085.2	4174.1	4622.6	5625.2	6326.6
50°	4838.3	4870.7	4918.2	4863.1	4706.0	4547.5	4564.8	5005.7	5976.6	6772.4
52.5°	4750.1	4811.4	4941.0	5029.2	5089.8	5056.7	5010.6	5386.1	6307.3	7174.8
55°	4421.4	4507.6	4722.5	4935.5	5244.8	5485.3	5545.9	5807.8	6629.8	7528.9
57.5°	3822.7	3962.6	4155.5	4586.1	5107.0	5692.7	6170.2	6392.7	6971.5	7907.2
60°	2796.0	2983.5	3223.2	3864.0	4624.7	5581.8	6701.4	7291.2	7457.3	8397.1
62.5°	1789.4	1905.1	2125.6	2729.2	3603.6	5013.3	6864.0	8414.3	8280.6	9200.5
65°	1225.1	1299.5	1501.4	1840.4	2329.6	3731.7	6428.6	9256.3	9588.4	10473.8
67.5°	890.2	946.7	1119.0	1415.9	1517.9	2208.3	4988.5	9217.7	10859.7	11785.7
70°	649.1	689.0	833.7	1119.0	1167.9	1228.5	3022.0	7835.5	10832.1	12134.3
72.5°	480.9	508.5	605.6	868.2	945.3	829.6	1495.9	5694.8	9308.0	10975.4
75°	348.0	368.6	440.3	664.2	756.5	631.8	746.2	3328.0	6492.6	7720.5
77.5°	266.0	281.8	328.7	486.4	605.6	474.0	463.0	1531.0	3078.5	3093.7
80°	213.6	223.9	249.4	342.4	464.4	354.8	301.8	618.1	972.9	823.4
82.5°	157.1	174.3	210.8	240.5	332.1	244.6	184.0	312.1	370.0	318.3
85°	89.6	101.3	127.5	172.3	212.2	149.5	105.4	138.5	172.3	141.2
87.5°	31.7	41.3	44.8	67.5	92.3	62.0	40.7	40.0	56.5	42.0
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°
1903.8	0°	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8
1924.4	2.5°	1917.5	1914.1	1900.3	1881.7	1862.4	1843.8	1837.6	1824.5	1815.6	1810.7
1969.2	5°	1956.1	1945.1	1912.7	1871.4	1828.0	1781.1	1748.0	1717.7	1695.7	1675.0
2030.5	7.5°	2011.3	1992.0	1936.1	1863.8	1786.6	1708.8	1650.9	1606.8	1577.2	1557.9
2102.2	10°	2075.3	2045.7	1960.3	1852.1	1732.9	1621.3	1553.1	1515.2	1496.6	1486.2
2184.2	12.5°	2149.1	2107.0	1985.1	1825.2	1650.9	1523.4	1476.6	1465.5	1466.2	1466.9
2287.5	15°	2240.0	2181.4	2005.0	1766.6	1544.1	1448.3	1440.1	1458.0	1476.6	1485.5
2404.7	17.5°	2342.7	2260.0	2008.5	1670.2	1439.4	1400.1	1426.3	1464.9	1493.1	1505.5
2535.6	20°	2452.9	2339.9	1983.7	1533.8	1353.2	1360.8	1407.7	1457.3	1488.3	1504.1
2685.1	22.5°	2579.0	2425.4	1924.4	1390.4	1283.0	1318.1	1373.2	1421.4	1453.8	1469.7
2860.8	25°	2723.0	2521.1	1831.4	1269.9	1222.3	1269.9	1325.0	1364.9	1391.1	1405.6
3057.2	27.5°	2882.9	2621.0	1707.4	1174.1	1169.3	1220.3	1265.7	1296.7	1310.5	1321.5
3266.0	30°	3043.4	2712.0	1557.2	1101.7	1123.1	1171.3	1203.7	1217.5	1221.6	1223.7
3498.8	32.5°	3217.0	2790.5	1399.4	1041.8	1079.0	1123.8	1143.1	1149.3	1130.0	1116.9
3781.3	35°	3427.2	2874.6	1245.1	994.3	1035.6	1074.2	1080.4	1074.9	1052.1	1025.3
4135.5	37.5°	3686.9	2979.3	1121.7	960.5	994.9	1020.4	1012.9	1011.5	1013.5	981.9
4561.3	40°	4005.3	3115.8	1031.5	934.3	961.9	967.4	946.0	957.7	968.1	919.8
5028.5	42.5°	4358.7	3280.4	974.3	916.4	934.3	921.2	888.1	901.2	899.9	836.5
5497.7	45°	4719.1	3459.6	954.3	903.3	908.8	882.6	846.1	849.6	820.6	763.4
5947.6	47.5°	5077.4	3651.8	966.7	892.3	877.1	847.5	819.2	804.1	761.4	718.6
6379.0	50°	5428.8	3853.7	1012.2	870.2	833.7	816.5	795.8	768.9	723.5	687.0
6786.9	52.5°	5754.7	4057.0	1063.2	833.7	779.3	789.6	776.5	745.5	700.7	663.5
7172.7	55°	6063.4	4260.2	1083.1	783.4	728.3	766.2	758.6	701.4	647.7	617.4
7576.5	57.5°	6399.6	4504.8	1061.1	719.3	687.0	739.3	710.4	647.0	616.0	593.2
8102.2	60°	6865.4	4888.6	1013.5	640.1	647.7	699.4	649.7	623.6	589.8	564.3
8890.4	62.5°	7639.2	5604.5	937.1	561.6	601.5	640.1	620.8	594.6	560.2	535.4
10238.2	65°	8782.9	6599.4	793.1	500.2	549.8	582.2	589.8	563.6	527.8	501.6
11419.1	67.5°	9747.6	7223.7	600.1	449.2	496.8	535.4	556.7	531.2	493.3	467.8
11695.4	70°	9694.5	6770.3	458.2	398.9	449.9	489.2	516.8	496.8	456.1	432.0
10623.3	72.5°	8610.7	5663.7	370.7	348.0	402.4	441.0	474.0	458.9	417.5	394.1
7782.5	75°	6325.9	4020.4	296.3	296.3	343.1	390.7	427.2	417.5	379.7	363.1
3267.3	77.5°	2666.5	1686.7	232.2	246.0	285.3	335.6	381.0	384.5	351.4	372.1
864.0	80°	709.0	465.1	177.1	193.6	223.9	277.0	331.4	330.0	294.2	274.9
321.1	82.5°	270.1	183.3	126.1	136.4	161.9	212.2	262.5	270.8	235.0	203.3
126.1	85°	104.0	78.5	77.9	82.0	94.4	140.6	198.4	205.3	177.1	150.2
35.1	87.5°	26.9	23.4	28.9	27.6	43.4	75.1	113.7	117.8	108.2	62.7
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>
1903.8
1816.3
1683.3
1562.0
1489.0
1468.3
1484.8
1508.3
1508.3
1473.8
1409.7
1325.7
1228.5
1121.0
1026.6
983.9
921.2
835.8
765.5
718.6
684.2
664.2
614.6
591.2
562.9
535.4
503.0
468.5
434.1
394.1
358.3
337.6
255.6
203.3
155.0
89.6
0.0

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