

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: P847018

Luminaire Tested: **GLAN-SB2D-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13739 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

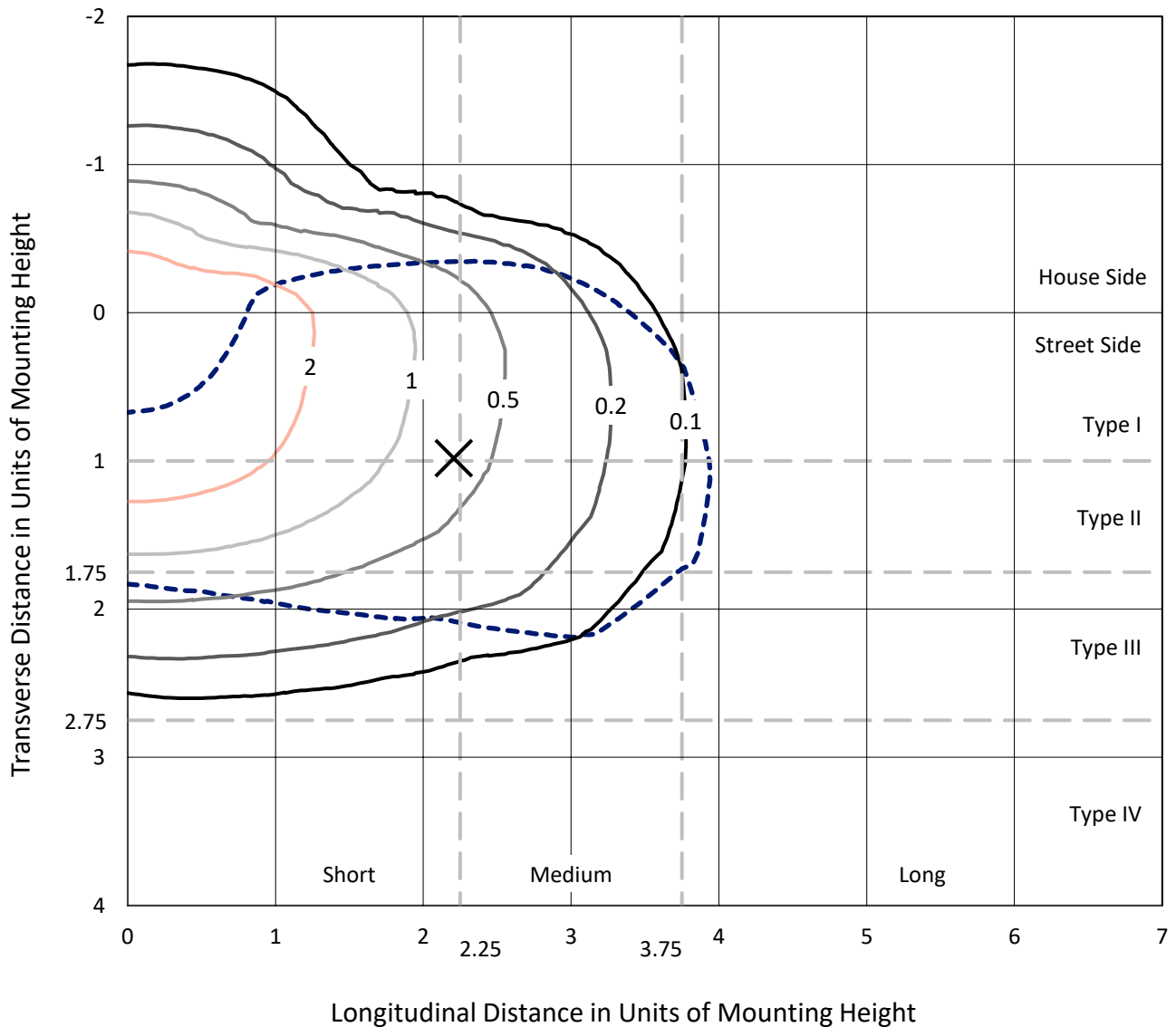
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

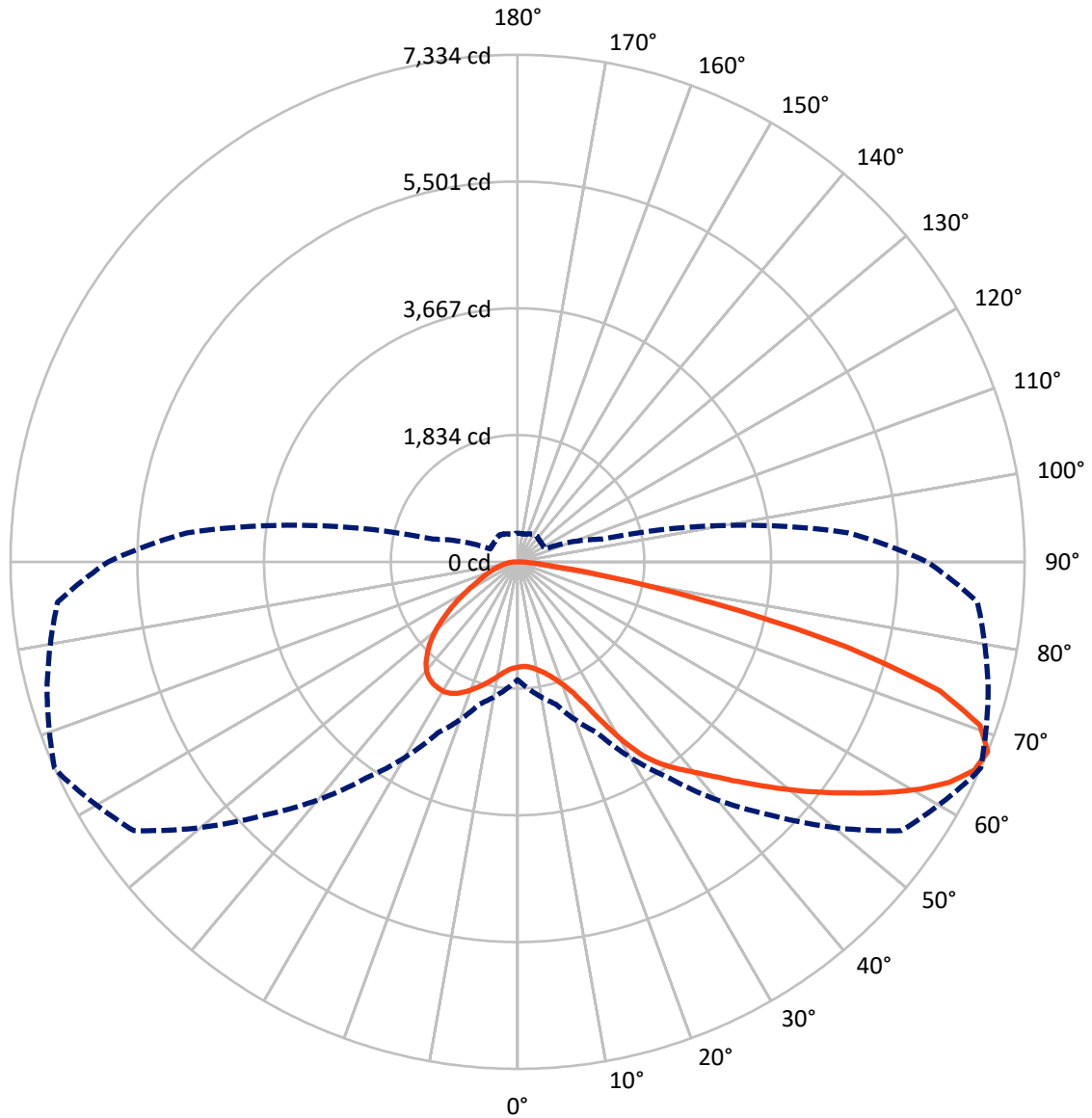
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3416.2	0.0	3416.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	10322.8	0.0	10322.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	13739.0	0.0	13739.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.1	1.1
10°-20°	499.2	3.6
20°-30°	962.1	7.0
30°-40°	1686.9	12.3
40°-50°	2507.9	18.3
50°-60°	3179.0	23.1
60°-70°	3110.6	22.6
70°-80°	1483.8	10.8
80°-90°	158.6	1.2
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°	13739.0	100.0
0°-180°	13739.0	100.0

**Coefficient of Utilization**



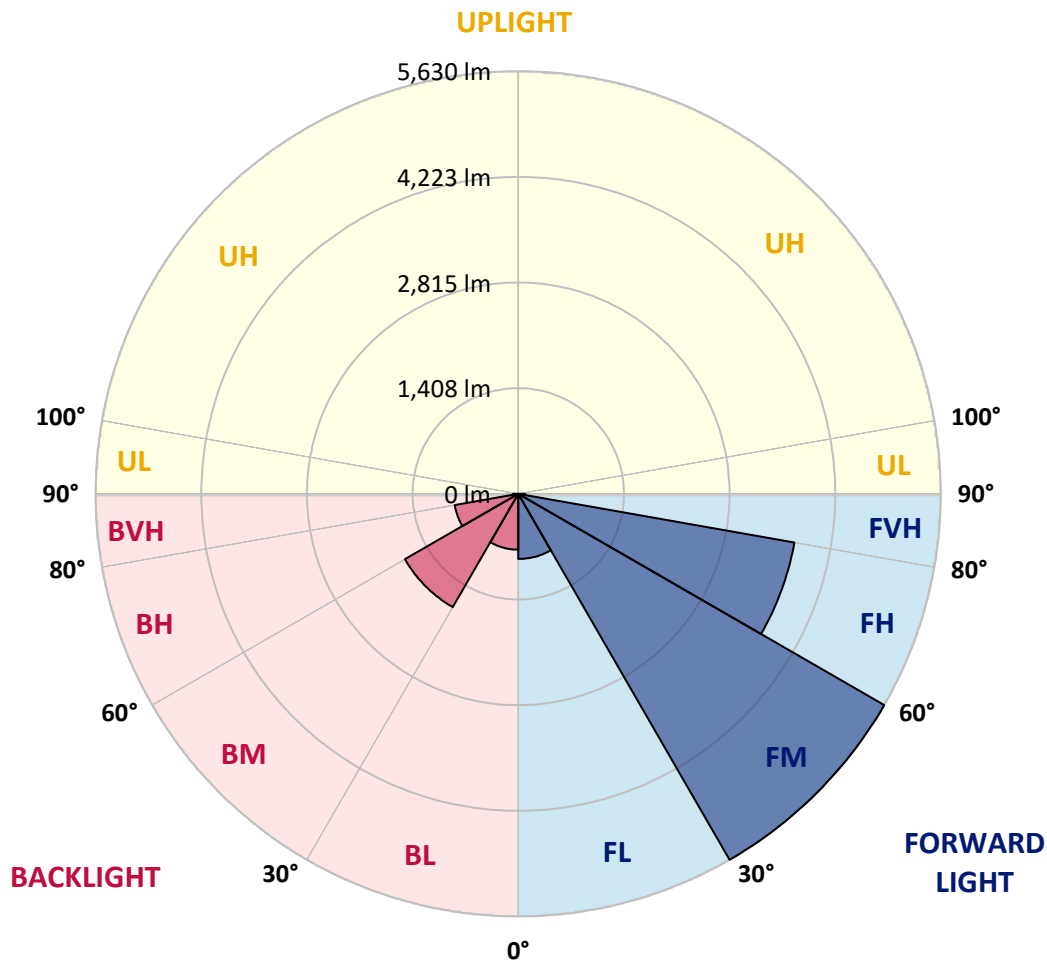
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.2	6.3			
FM (30°-60°)	5630.1	41.0			
FH (60°-80°)	3734.6	27.2			G2/5000
FVH (80°-90°)	89.9	0.7			G1/100
BL (0°-30°)	744.2	5.4	B2/1000		
BM (30°-60°)	1743.6	12.7	B2/2500		
BH (60°-80°)	859.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	68.7	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8
2.5°	1508.0	1516.6	1514.5	1510.8	1510.1	1511.6	1513.7	1515.9	1515.2	1518.8
5°	1503.6	1512.3	1511.6	1511.6	1514.5	1520.2	1523.8	1527.4	1523.8	1528.2
7.5°	1506.5	1513.0	1515.9	1518.8	1526.0	1536.8	1545.5	1553.4	1549.1	1554.2
10°	1543.3	1548.4	1551.3	1551.3	1556.3	1568.6	1577.3	1591.7	1588.1	1596.0
12.5°	1610.5	1615.5	1615.5	1612.6	1616.2	1624.2	1627.1	1642.9	1636.4	1649.4
15°	1692.8	1702.9	1694.9	1689.9	1691.3	1699.2	1698.5	1710.8	1704.3	1715.1
17.5°	1783.7	1796.7	1783.7	1783.0	1780.1	1788.8	1789.5	1800.3	1788.8	1796.7
20°	1891.3	1909.3	1898.5	1902.1	1895.6	1899.2	1902.8	1918.7	1900.6	1906.4
22.5°	2042.9	2064.5	2053.0	2066.7	2062.3	2059.5	2058.7	2086.9	2058.7	2060.9
25°	2263.7	2289.7	2269.5	2288.3	2288.3	2297.7	2308.5	2344.6	2297.7	2284.0
27.5°	2590.0	2616.0	2576.3	2587.9	2584.2	2607.3	2595.8	2685.3	2634.8	2612.4
30°	2982.7	3028.9	2953.8	2950.9	2947.3	2984.2	3000.8	3059.9	3008.7	2986.3
32.5°	3407.2	3455.5	3366.0	3340.0	3326.3	3348.7	3335.0	3382.6	3347.2	3312.6
35°	3856.2	3903.8	3818.6	3768.1	3713.2	3666.3	3617.2	3629.5	3596.3	3543.6
37.5°	4280.6	4367.9	4277.7	4223.6	4122.5	4030.8	3893.7	3836.7	3805.6	3757.3
40°	4713.0	4762.8	4694.2	4648.0	4538.3	4394.7	4175.2	4054.7	4012.8	3965.9
42.5°	5031.3	5079.0	5042.2	5010.4	4924.5	4757.7	4474.1	4323.2	4262.6	4209.9
45°	5284.0	5319.4	5296.3	5307.8	5271.0	5109.3	4783.7	4611.2	4548.4	4484.2
47.5°	5385.8	5423.3	5460.1	5528.7	5591.5	5472.4	5116.5	4923.1	4856.6	4791.0
50°	5374.2	5412.5	5519.3	5665.1	5860.0	5820.3	5467.3	5255.1	5193.7	5118.7
52.5°	5281.8	5325.1	5462.3	5704.8	6015.2	6080.9	5824.7	5598.0	5540.2	5450.7
55°	5039.3	5065.3	5271.0	5614.6	6052.0	6262.8	6174.8	5963.2	5905.5	5780.6
57.5°	4589.6	4627.1	4926.7	5371.3	5959.6	6386.3	6482.3	6347.3	6291.7	6111.9
60°	4002.7	4062.6	4405.5	4962.8	5724.3	6385.5	6761.6	6724.8	6678.6	6438.2
62.5°	3338.6	3407.9	3737.8	4385.3	5312.9	6204.3	6936.3	7041.0	7017.2	6739.2
65°	2564.0	2611.7	2940.1	3638.2	4672.6	5815.3	6956.5	7256.8	7261.1	6968.1
67.5°	1707.2	1844.3	2129.5	2730.1	3815.0	5179.3	6778.9	7292.2	7334.1	7046.8
70°	833.0	1013.5	1292.8	1774.3	2730.1	4204.1	6314.8	7002.0	7095.1	6817.2
72.5°	345.8	404.2	556.6	875.6	1567.1	2836.9	5382.2	6215.2	6387.7	6040.5
75°	233.2	252.6	318.3	449.0	713.9	1399.0	3881.4	4634.3	4912.2	4562.1
77.5°	179.7	192.0	231.7	314.0	424.5	529.1	2077.5	2792.9	2936.5	2718.5
80°	141.5	150.9	173.2	228.8	301.0	283.0	708.1	1265.4	1348.4	1131.1
82.5°	122.7	126.3	124.2	155.2	200.0	165.3	232.4	467.0	515.4	373.9
85°	88.8	98.9	103.2	96.0	106.1	83.7	95.3	165.3	181.9	162.4
87.5°	36.1	53.4	65.7	62.1	39.0	23.8	29.6	48.4	55.6	60.6
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°
1523.8	0°	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8
1524.6	2.5°	1525.3	1530.3	1533.9	1538.3	1541.2	1545.5	1554.2	1559.2	1559.9	1563.5
1536.1	5°	1539.0	1546.2	1554.2	1565.7	1578.7	1589.5	1606.1	1617.7	1622.0	1625.6
1564.3	7.5°	1568.6	1578.7	1593.1	1613.3	1632.1	1646.6	1666.8	1680.5	1694.2	1699.2
1609.0	10°	1612.6	1627.1	1648.0	1675.4	1695.6	1714.4	1735.3	1746.9	1760.6	1766.4
1662.4	12.5°	1667.5	1682.6	1710.1	1748.3	1767.1	1780.1	1787.3	1784.4	1787.3	1792.4
1726.7	15°	1730.3	1746.9	1777.9	1819.1	1832.1	1820.5	1804.6	1790.2	1788.0	1789.5
1804.6	17.5°	1804.6	1816.9	1853.0	1887.7	1878.3	1830.6	1796.0	1772.9	1761.3	1757.7
1904.3	20°	1908.6	1908.6	1938.2	1959.8	1897.0	1816.2	1762.0	1724.5	1700.7	1690.6
2040.0	22.5°	2034.9	2023.4	2042.1	2027.0	1893.4	1775.8	1700.7	1635.7	1599.6	1585.2
2229.8	25°	2195.2	2181.4	2176.4	2082.6	1867.4	1711.5	1589.5	1510.8	1479.1	1471.1
2503.4	27.5°	2437.0	2402.3	2336.6	2112.9	1819.8	1610.5	1459.6	1386.7	1368.6	1369.4
2854.9	30°	2758.9	2689.6	2528.7	2117.9	1741.8	1467.5	1326.8	1274.8	1266.1	1269.7
3150.2	32.5°	3057.1	2991.4	2725.0	2094.8	1622.0	1327.5	1207.7	1173.0	1160.0	1164.4
3375.4	35°	3290.9	3272.9	2906.9	2062.3	1474.8	1196.1	1100.8	1071.2	1046.0	1040.2
3587.6	37.5°	3511.8	3504.6	3043.3	2016.9	1328.9	1103.0	1014.9	975.9	939.1	918.9
3822.2	40°	3754.4	3747.2	3132.9	1946.8	1199.7	1022.1	937.7	886.4	841.0	804.1
4087.9	42.5°	4027.2	3984.6	3175.4	1846.5	1090.0	953.6	874.9	805.6	745.7	711.7
4388.2	45°	4325.4	4229.4	3174.7	1718.7	997.6	890.8	807.8	709.6	654.0	622.2
4696.4	47.5°	4641.5	4463.2	3135.7	1577.3	908.1	821.5	703.8	628.7	591.9	572.4
5031.3	50°	4967.8	4682.0	3069.3	1414.8	816.4	742.8	638.8	587.6	559.4	541.4
5363.4	52.5°	5274.6	4880.5	2989.2	1230.8	723.3	666.3	610.0	570.3	540.7	520.5
5685.3	55°	5559.7	5051.5	2875.9	1042.4	647.5	615.0	596.3	563.0	529.1	505.3
6012.3	57.5°	5813.1	5162.7	2680.2	865.5	593.4	579.6	581.8	550.8	511.8	491.6
6334.3	60°	6023.9	5244.3	2390.8	701.6	549.3	545.0	559.4	527.7	482.2	459.1
6606.4	62.5°	6150.2	5242.8	2035.6	574.6	511.8	513.2	529.8	498.8	452.6	430.9
6748.6	65°	6139.4	5114.3	1645.8	491.6	475.7	477.1	498.8	467.0	428.1	415.1
6677.2	67.5°	5922.1	4801.1	1262.5	437.4	436.0	442.5	467.8	445.4	412.9	411.5
6251.3	70°	5333.8	4150.7	909.5	394.1	394.9	404.2	437.4	431.7	405.0	407.8
5255.8	72.5°	4277.0	3164.6	610.7	348.7	349.4	364.5	408.6	420.8	397.0	435.3
3729.1	75°	2848.4	1973.6	392.7	300.3	301.0	320.5	383.3	399.9	375.4	433.8
1940.3	77.5°	1368.6	887.2	284.4	252.6	252.6	270.7	331.3	358.0	319.8	337.1
623.7	80°	472.8	333.5	223.8	203.6	199.2	211.5	279.4	310.4	275.7	254.1
203.6	82.5°	186.2	173.2	179.7	158.1	143.6	151.6	217.3	256.3	202.8	183.4
114.8	85°	106.8	112.6	127.0	104.7	83.0	93.1	159.5	184.1	153.0	135.0
37.5	87.5°	28.9	39.7	58.5	54.1	37.5	39.7	75.8	101.8	88.1	67.9
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>
1523.8
1562.8
1624.9
1700.0
1769.3
1793.8
1794.5
1762.8
1688.4
1583.0
1472.6
1371.5
1282.0
1170.1
1044.5
919.6
807.8
713.9
620.8
568.1
534.9
511.8
495.9
478.6
449.0
424.5
414.3
413.6
407.1
441.1
437.4
309.0
238.2
182.6
137.9
70.0
0.0

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