

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: P846738

Luminaire Tested: **GLAN-SB2C-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846738
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-SB2C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14477 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

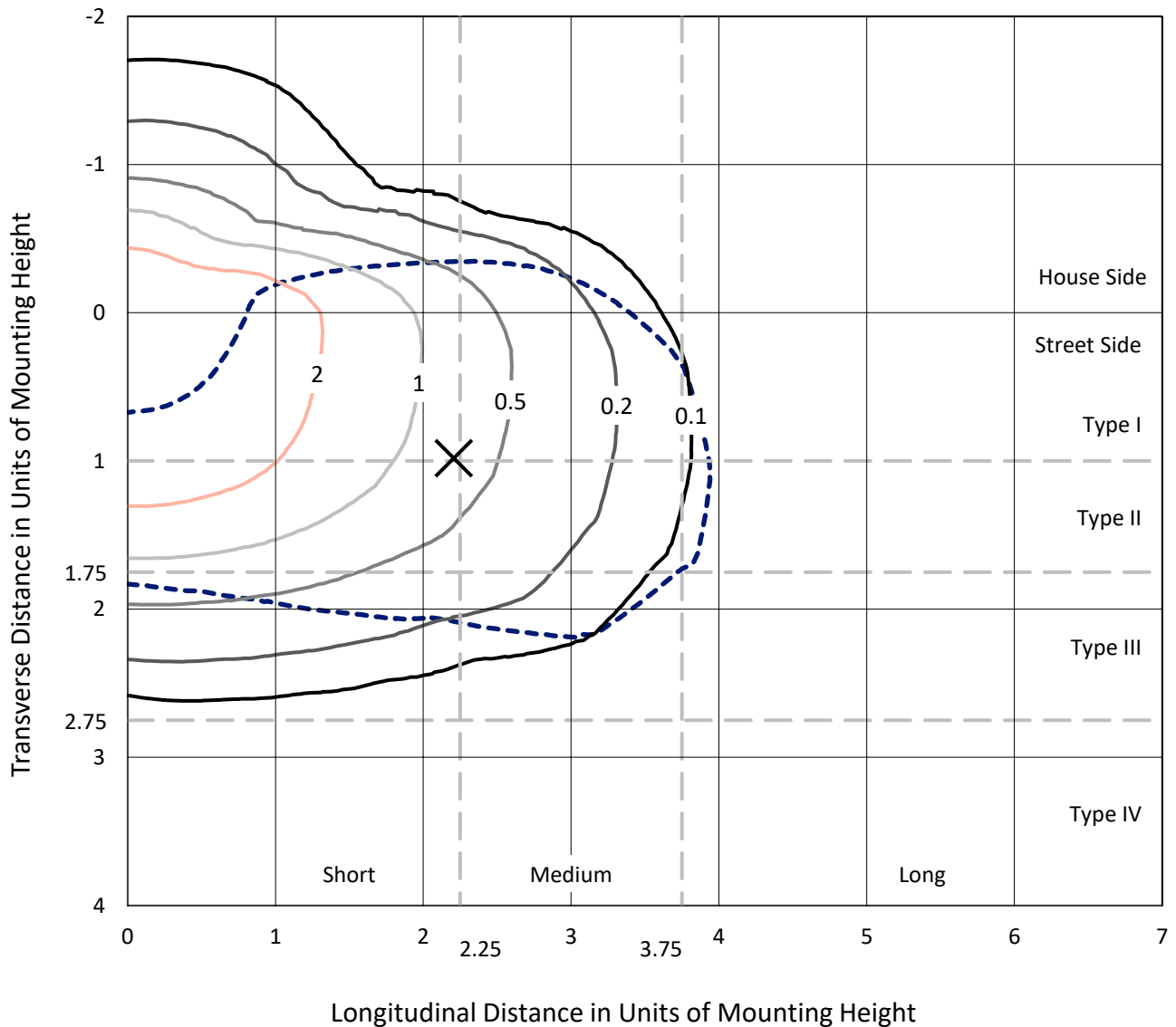
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

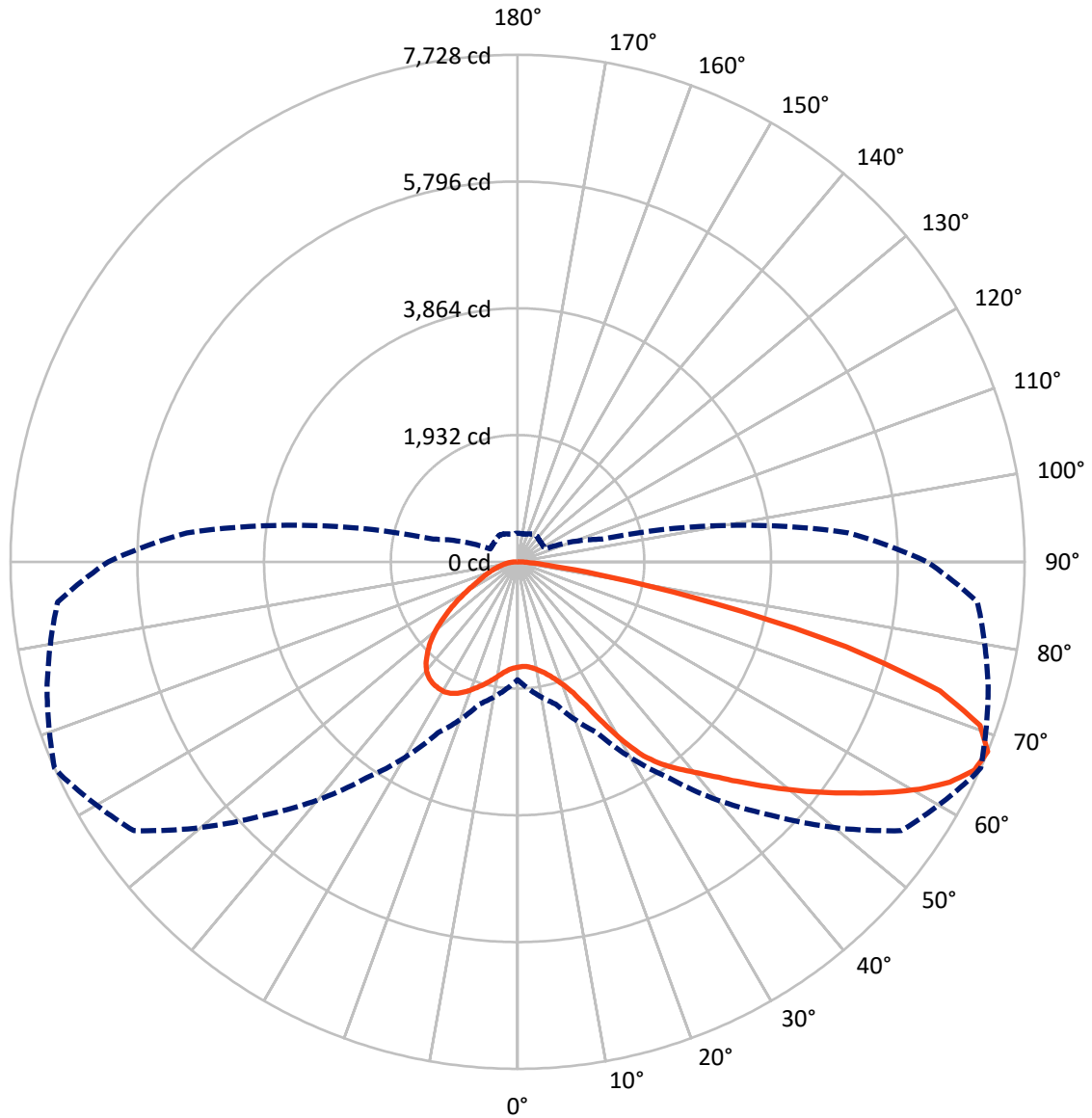
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type 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
House Side	Lumens	3599.7	0.0	3599.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10877.3	0.0	10877.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	14477.0	0.0	14477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.1
10°-20°	526.0	3.6
20°-30°	1013.8	7.0
30°-40°	1777.5	12.3
40°-50°	2642.6	18.3
50°-60°	3349.7	23.1
60°-70°	3277.6	22.6
70°-80°	1563.5	10.8
80°-90°	167.1	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°	14477.0	100.0
0°-180°	14477.0	100.0

Coefficient of Utilization



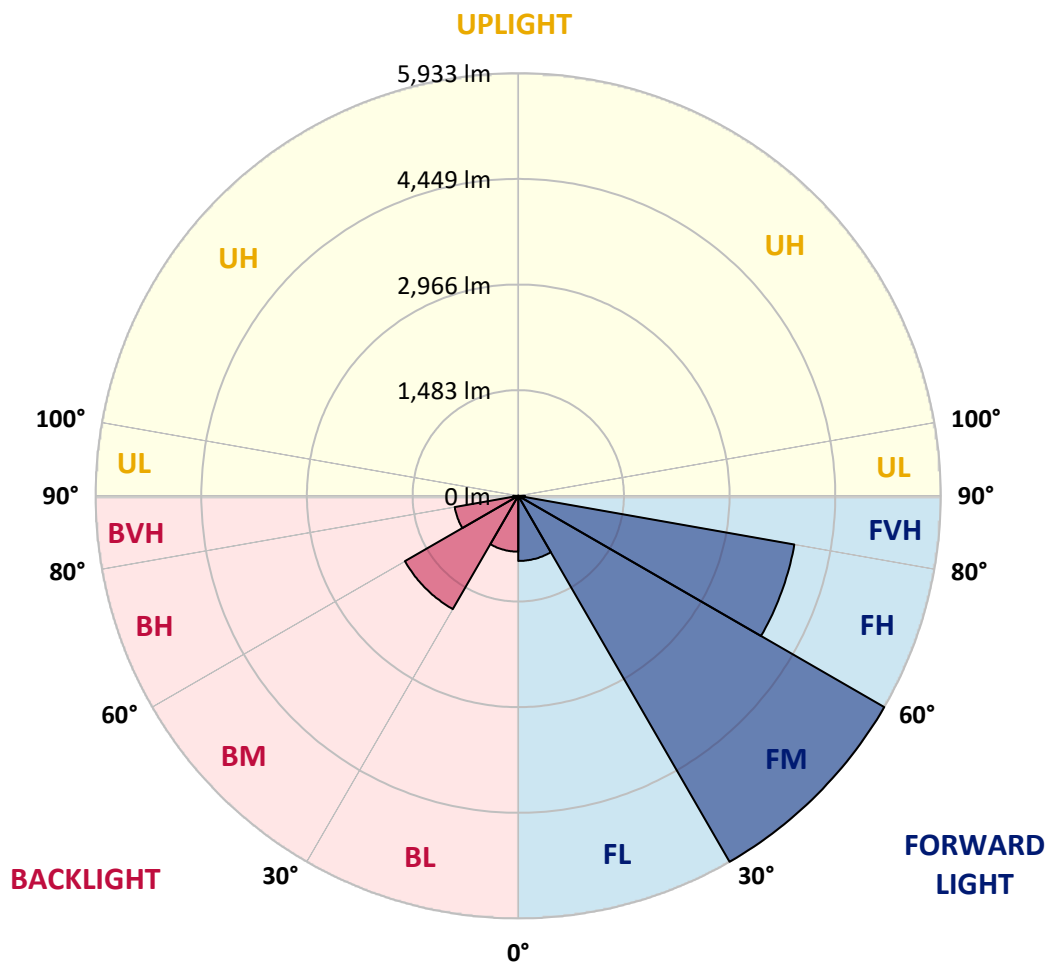
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	914.8	6.3			
FM (30°-60°)	5932.5	41.0			
FH (60°-80°)	3935.2	27.2			G2/5000
FVH (80°-90°)	94.7	0.7			G1/100
BL (0°-30°)	784.1	5.4	B2/1000		
BM (30°-60°)	1837.3	12.7	B2/2500		
BH (60°-80°)	905.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	72.4	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°	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7
2.5°	1589.0	1598.1	1595.8	1592.0	1591.2	1592.8	1595.0	1597.3	1596.6	1600.4
5°	1584.4	1593.5	1592.8	1592.8	1595.8	1601.9	1605.7	1609.5	1605.7	1610.3
7.5°	1587.4	1594.3	1597.3	1600.4	1608.0	1619.4	1628.5	1636.9	1632.3	1637.6
10°	1626.2	1631.6	1634.6	1634.6	1639.9	1652.8	1662.0	1677.2	1673.4	1681.8
12.5°	1697.0	1702.3	1702.3	1699.2	1703.1	1711.4	1714.5	1731.2	1724.3	1738.0
15°	1783.7	1794.3	1786.0	1780.6	1782.2	1790.5	1789.8	1802.7	1795.8	1807.3
17.5°	1879.5	1893.2	1879.5	1878.8	1875.7	1884.8	1885.6	1897.0	1884.8	1893.2
20°	1992.9	2011.9	2000.5	2004.3	1997.4	2001.2	2005.0	2021.8	2002.7	2008.8
22.5°	2152.6	2175.4	2163.2	2177.7	2173.1	2170.1	2169.3	2199.0	2169.3	2171.6
25°	2385.3	2412.7	2391.4	2411.2	2411.2	2421.1	2432.5	2470.5	2421.1	2406.6
27.5°	2729.1	2756.5	2714.7	2726.9	2723.1	2747.4	2735.2	2829.5	2776.3	2752.7
30°	3142.9	3191.6	3112.5	3109.5	3105.7	3144.4	3161.9	3224.3	3170.3	3146.7
32.5°	3590.2	3641.1	3546.8	3519.4	3505.0	3528.6	3514.1	3564.3	3527.0	3490.5
35°	4063.3	4113.5	4023.7	3970.5	3912.7	3863.2	3811.5	3824.4	3789.5	3733.9
37.5°	4510.5	4602.6	4507.5	4450.4	4344.0	4247.4	4102.8	4042.8	4010.0	3959.1
40°	4966.2	5018.6	4946.4	4897.7	4782.1	4630.7	4399.5	4272.5	4228.3	4178.9
42.5°	5301.6	5351.8	5313.0	5279.5	5189.0	5013.3	4714.4	4555.4	4491.5	4436.0
45°	5567.8	5605.1	5580.7	5592.9	5554.1	5383.7	5040.7	4858.9	4792.7	4725.0
47.5°	5675.1	5714.6	5753.4	5825.7	5891.8	5766.3	5391.3	5187.5	5117.5	5048.3
50°	5662.9	5703.2	5815.8	5969.4	6174.8	6133.0	5761.0	5537.4	5472.7	5393.6
52.5°	5565.5	5611.2	5755.7	6011.3	6338.3	6407.5	6137.5	5898.7	5837.8	5743.5
55°	5310.0	5337.3	5554.1	5916.2	6377.1	6599.2	6506.4	6283.6	6222.7	6091.1
57.5°	4836.1	4875.6	5191.3	5659.9	6279.8	6729.3	6830.5	6688.2	6629.7	6440.3
60°	4217.7	4280.8	4642.1	5229.3	6031.8	6728.5	7124.8	7086.0	7037.4	6784.1
62.5°	3517.9	3590.9	3938.5	4620.8	5598.2	6537.6	7308.9	7419.2	7394.1	7101.2
65°	2701.8	2752.0	3098.0	3833.6	4923.6	6127.6	7330.2	7646.6	7651.2	7342.4
67.5°	1798.9	1943.4	2243.9	2876.7	4019.9	5457.5	7143.1	7683.9	7728.0	7425.3
70°	877.8	1067.9	1362.3	1869.6	2876.7	4429.9	6654.0	7378.1	7476.2	7183.4
72.5°	364.3	426.0	586.4	922.6	1651.3	2989.3	5671.3	6549.0	6730.8	6365.0
75°	245.7	266.2	335.4	473.1	752.3	1474.1	4089.9	4883.2	5176.1	4807.2
77.5°	189.4	202.3	244.2	330.9	447.3	557.5	2189.1	2942.9	3094.2	2864.5
80°	149.1	159.0	182.6	241.1	317.2	298.2	746.2	1333.4	1420.9	1191.9
82.5°	129.3	133.1	130.8	163.5	210.7	174.2	244.9	492.1	543.1	394.0
85°	93.6	104.2	108.8	101.2	111.8	88.2	100.4	174.2	191.7	171.1
87.5°	38.0	56.3	69.2	65.4	41.1	25.1	31.2	51.0	58.6	63.9
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°
1605.7	0°	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7
1606.5	2.5°	1607.2	1612.5	1616.3	1620.9	1623.9	1628.5	1637.6	1643.0	1643.7	1647.5
1618.6	5°	1621.7	1629.3	1637.6	1649.8	1663.5	1674.9	1692.4	1704.6	1709.1	1712.9
1648.3	7.5°	1652.8	1663.5	1678.7	1700.0	1719.8	1735.0	1756.3	1770.7	1785.2	1790.5
1695.4	10°	1699.2	1714.5	1736.5	1765.4	1786.7	1806.5	1828.6	1840.7	1855.2	1861.3
1751.7	12.5°	1757.1	1773.0	1801.9	1842.2	1862.0	1875.7	1883.3	1880.3	1883.3	1888.6
1819.4	15°	1823.2	1840.7	1873.4	1916.8	1930.5	1918.3	1901.6	1886.4	1884.1	1885.6
1901.6	17.5°	1901.6	1914.5	1952.5	1989.0	1979.2	1929.0	1892.4	1868.1	1855.9	1852.1
2006.5	20°	2011.1	2011.1	2042.3	2065.1	1998.9	1913.7	1856.7	1817.1	1792.0	1781.4
2149.5	22.5°	2144.2	2132.0	2151.8	2135.8	1995.1	1871.2	1792.0	1723.6	1685.6	1670.3
2349.6	25°	2313.1	2298.6	2293.3	2194.4	1967.8	1803.5	1674.9	1592.0	1558.5	1550.2
2637.9	27.5°	2567.9	2531.4	2462.2	2226.4	1917.5	1697.0	1538.0	1461.2	1442.2	1442.9
3008.3	30°	2907.1	2834.1	2664.5	2231.7	1835.4	1546.4	1398.0	1343.3	1334.1	1337.9
3319.4	32.5°	3221.3	3152.1	2871.4	2207.3	1709.1	1398.8	1272.5	1236.0	1222.3	1226.9
3556.7	35°	3467.7	3448.7	3063.1	2173.1	1554.0	1260.4	1160.0	1128.8	1102.2	1096.1
3780.3	37.5°	3700.5	3692.9	3206.8	2125.2	1400.3	1162.2	1069.4	1028.4	989.6	968.3
4027.5	40°	3956.0	3948.4	3301.1	2051.4	1264.2	1077.1	988.1	934.1	886.1	847.3
4307.4	42.5°	4243.6	4198.7	3346.0	1945.7	1148.6	1004.8	921.9	848.9	785.7	750.0
4623.9	45°	4557.7	4456.5	3345.3	1811.1	1051.2	938.6	851.1	747.7	689.1	655.7
4948.7	47.5°	4890.9	4703.0	3304.2	1662.0	956.9	865.6	741.6	662.5	623.7	603.2
5301.6	50°	5234.7	4933.4	3234.2	1490.8	860.3	782.7	673.2	619.2	589.5	570.5
5651.5	52.5°	5557.9	5142.6	3149.8	1296.9	762.2	702.1	642.7	600.9	569.7	548.4
5990.7	55°	5858.4	5322.9	3030.4	1098.4	682.3	648.1	628.3	593.3	557.5	532.4
6335.3	57.5°	6125.4	5440.0	2824.2	912.0	625.2	610.8	613.1	580.4	539.3	518.0
6674.5	60°	6347.5	5526.0	2519.2	739.3	578.8	574.3	589.5	556.0	508.1	483.8
6961.3	62.5°	6480.6	5524.5	2145.0	605.5	539.3	540.8	558.3	525.6	476.9	454.1
7111.1	65°	6469.2	5389.1	1734.2	518.0	501.3	502.8	525.6	492.1	451.1	437.4
7035.8	67.5°	6240.2	5059.0	1330.3	460.9	459.4	466.3	492.9	469.3	435.1	433.6
6587.1	70°	5620.3	4373.6	958.4	415.3	416.1	426.0	460.9	454.9	426.7	429.8
5538.1	72.5°	4506.7	3334.6	643.5	367.4	368.1	384.1	430.5	443.4	418.3	458.7
3929.4	75°	3001.4	2079.6	413.8	316.4	317.2	337.7	403.9	421.4	395.5	457.1
2044.6	77.5°	1442.2	934.8	299.7	266.2	266.2	285.2	349.1	377.3	337.0	355.2
657.2	80°	498.2	351.4	235.8	214.5	209.9	222.9	294.4	327.1	290.6	267.7
214.5	82.5°	196.2	182.6	189.4	166.6	151.4	159.7	228.9	270.0	213.7	193.2
120.9	85°	112.6	118.7	133.9	110.3	87.5	98.1	168.1	194.0	161.3	142.2
39.6	87.5°	30.4	41.8	61.6	57.0	39.6	41.8	79.9	107.2	92.8	71.5
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>
1605.7
1646.8
1712.2
1791.3
1864.3
1890.2
1890.9
1857.5
1779.1
1668.1
1551.7
1445.2
1350.9
1233.0
1100.6
969.0
851.1
752.3
654.1
598.6
563.6
539.3
522.6
504.3
473.1
447.3
436.6
435.8
429.0
464.7
460.9
325.5
251.0
192.4
145.3
73.8
0.0

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