

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: P852373

Luminaire Tested: **GLAN-SB3B-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13826 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

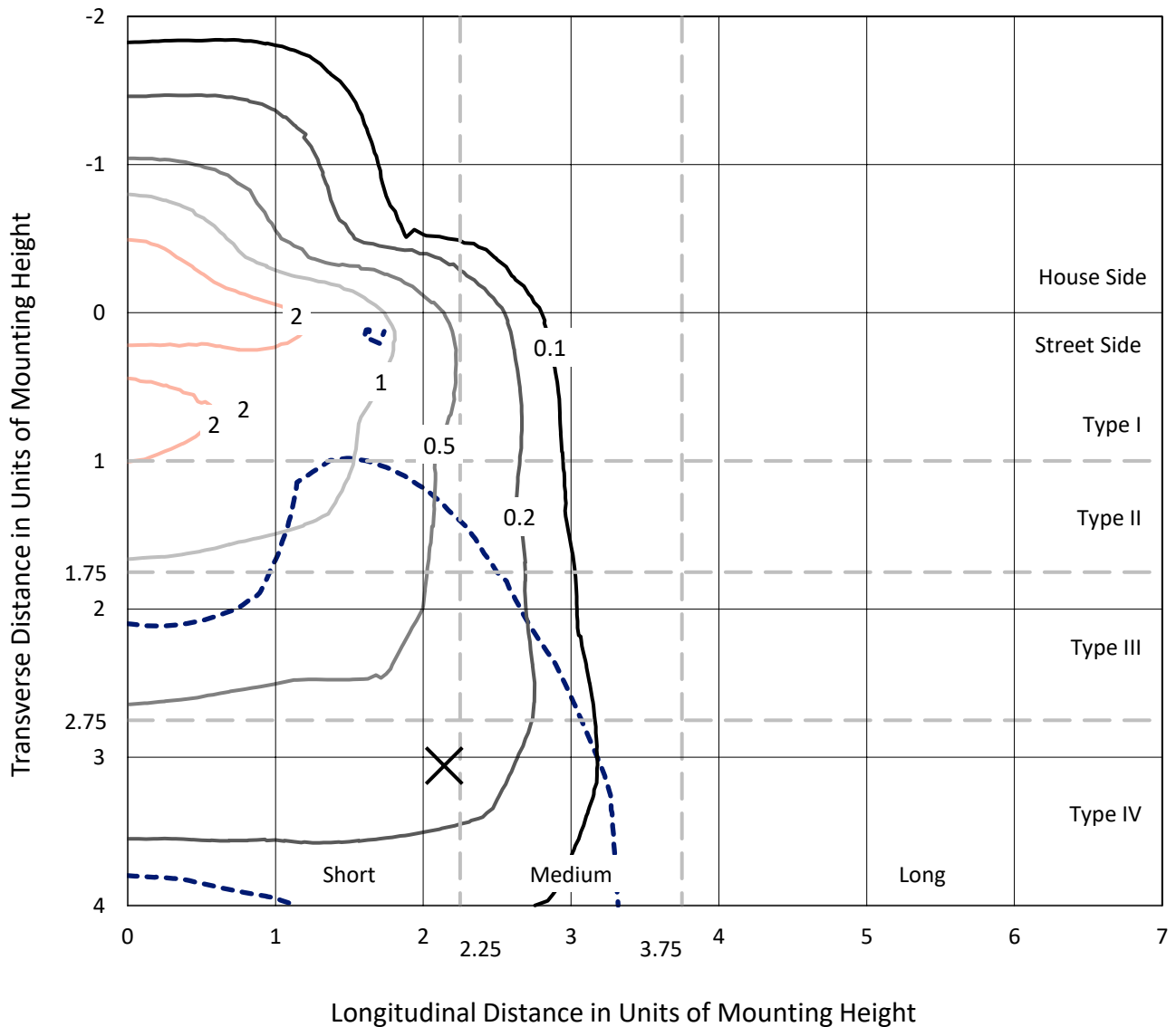
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

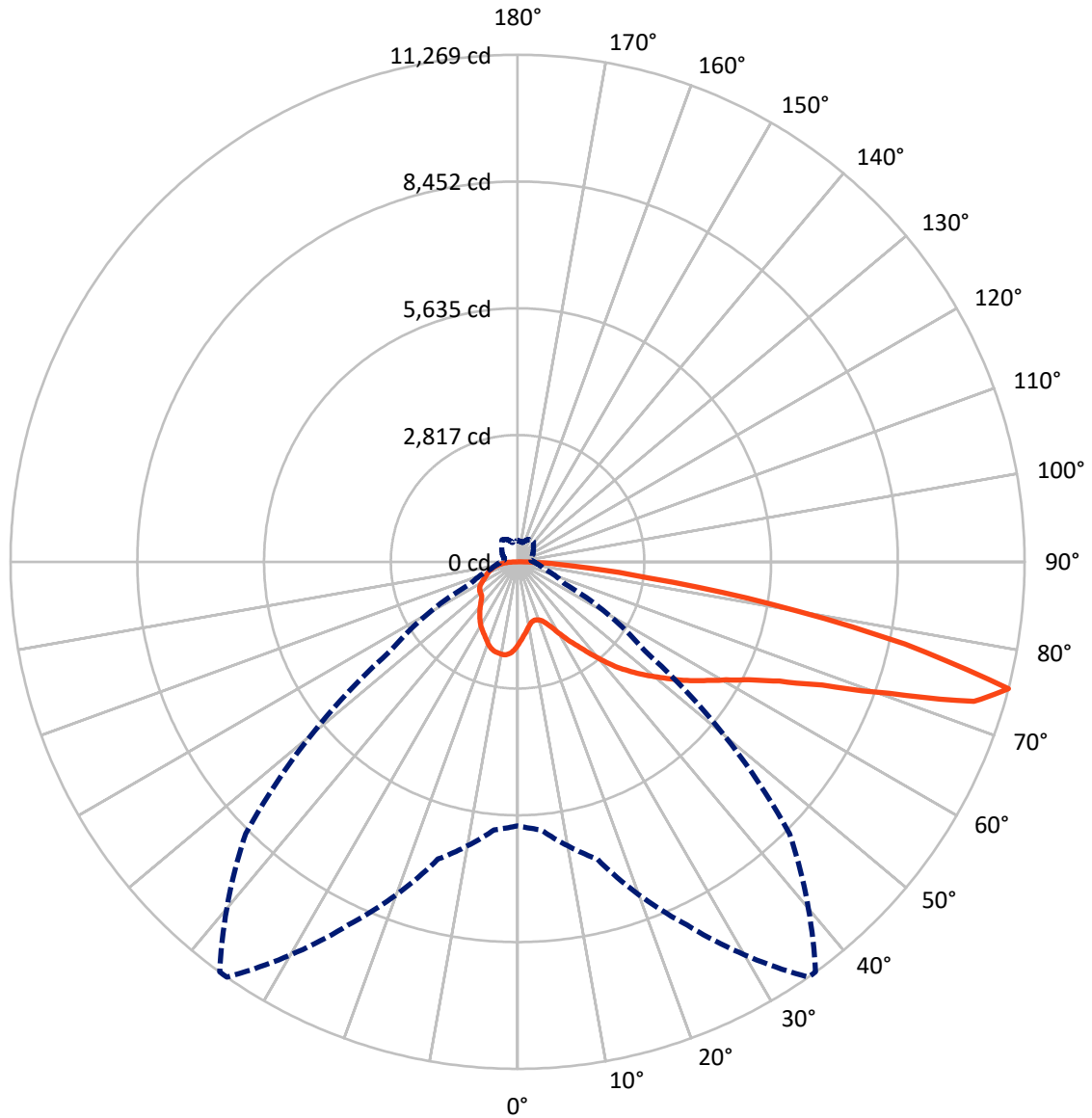
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3290.2	0.0	3290.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10535.8	0.0	10535.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	13826.0	0.0	13826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.3
10°-20°	503.2	3.6
20°-30°	844.9	6.1
30°-40°	1313.1	9.5
40°-50°	1949.1	14.1
50°-60°	2690.8	19.5
60°-70°	3264.5	23.6
70°-80°	2697.9	19.5
80°-90°	388.0	2.8
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°	13826.0	100.0
0°-180°	13826.0	100.0

Coefficient of Utilization



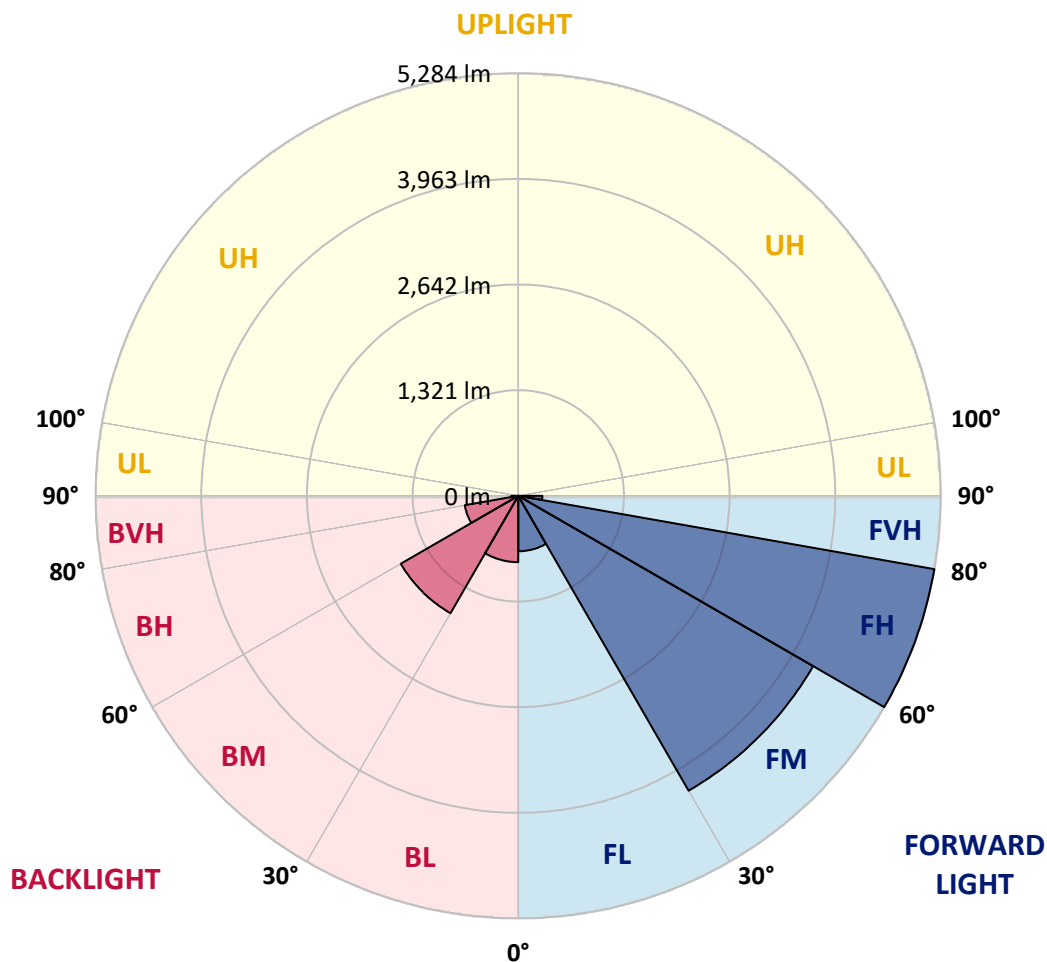
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.3	5.0			
FM (30°-60°)	4257.7	30.8			
FH (60°-80°)	5284.1	38.2			G3/7500
FVH (80°-90°)	300.7	2.2			G3/500
BL (0°-30°)	829.2	6.0	B2/1000		
BM (30°-60°)	1695.3	12.3	B2/2500		
BH (60°-80°)	678.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	87.4	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4
2.5°	1698.9	1709.4	1713.9	1711.6	1722.8	1721.3	1737.0	1756.5	1783.4	1809.5
5°	1568.1	1579.3	1589.0	1598.0	1619.7	1626.4	1651.1	1688.4	1737.8	1787.8
7.5°	1446.3	1456.0	1470.9	1487.4	1524.0	1530.7	1571.8	1630.1	1698.9	1772.1
10°	1346.9	1356.6	1372.3	1391.0	1436.6	1444.8	1497.1	1574.8	1664.5	1757.2
12.5°	1304.3	1307.3	1316.2	1334.9	1374.5	1379.8	1437.3	1526.2	1630.9	1746.0
15°	1302.0	1308.0	1308.7	1318.5	1351.3	1353.6	1406.7	1494.9	1610.0	1743.7
17.5°	1324.4	1328.9	1322.2	1328.2	1355.8	1359.6	1401.4	1479.9	1603.2	1753.5
20°	1384.2	1388.0	1367.8	1359.6	1379.8	1382.7	1423.8	1489.6	1610.0	1773.6
22.5°	1511.3	1513.5	1464.2	1430.6	1432.1	1433.6	1469.4	1529.2	1636.1	1810.3
25°	1709.4	1707.9	1629.4	1564.4	1527.0	1518.8	1542.7	1593.5	1680.2	1858.9
27.5°	1941.1	1929.9	1851.4	1754.2	1672.7	1660.8	1655.6	1677.2	1743.0	1923.1
30°	2202.7	2192.2	2107.7	1980.7	1867.8	1848.4	1799.1	1787.8	1836.4	2010.6
32.5°	2489.7	2483.0	2382.1	2228.1	2077.1	2054.7	1971.7	1941.8	1979.9	2142.9
35°	2730.4	2724.4	2640.7	2482.2	2297.6	2269.9	2185.5	2151.8	2171.3	2312.5
37.5°	2947.9	2944.9	2873.1	2748.3	2557.7	2524.1	2429.1	2417.9	2414.2	2536.0
40°	3149.7	3142.2	3067.4	3001.7	2860.4	2829.8	2746.0	2736.3	2707.9	2811.1
42.5°	3373.1	3353.7	3245.3	3214.7	3176.6	3151.2	3101.1	3102.6	3039.8	3121.3
45°	3555.5	3544.3	3432.9	3415.0	3456.1	3445.6	3489.0	3500.2	3378.4	3446.4
47.5°	3751.3	3740.9	3646.7	3634.0	3745.4	3748.3	3901.6	3905.3	3708.7	3784.2
50°	3992.8	3977.8	3884.4	3900.1	4024.9	4036.1	4316.4	4291.0	4012.9	4127.3
52.5°	4152.0	4160.9	4140.7	4166.2	4336.6	4347.0	4724.5	4659.5	4314.1	4465.9
55°	4269.3	4287.2	4350.0	4408.3	4665.4	4675.9	5109.4	5010.0	4563.8	4779.8
57.5°	4420.3	4394.9	4512.2	4625.8	4977.9	5005.5	5483.9	5347.8	4785.0	5050.4
60°	4637.0	4619.1	4710.3	4878.5	5327.7	5371.8	5880.0	5652.0	4947.2	5264.9
62.5°	5076.5	5031.7	5045.9	5194.6	5768.6	5826.9	6327.0	5917.4	5027.9	5348.6
65°	5733.5	5656.5	5584.8	5687.9	6389.8	6447.3	6831.5	6125.9	4998.0	5186.4
67.5°	6560.9	6484.7	6396.5	6493.6	7304.6	7350.2	7454.1	6243.3	4762.6	4561.5
70°	7243.3	7214.9	7320.3	7720.2	8765.8	8767.3	8252.3	6146.1	4117.6	3234.1
72.5°	7152.9	7135.7	7691.0	8927.3	10607.5	10567.9	9008.0	5410.6	2773.7	1459.0
75°	5868.1	5979.4	6839.7	8905.6	11269.0	11263.7	8545.3	3439.7	1147.3	604.7
77.5°	3146.7	3323.1	4440.5	6575.1	8797.2	8929.5	6007.8	1203.4	492.6	387.2
80°	1026.2	1180.2	1769.9	3347.7	5716.3	5691.7	2574.9	472.4	337.1	274.3
82.5°	435.8	453.7	790.8	1580.8	2933.7	2888.1	819.9	271.3	236.9	187.6
85°	170.4	190.6	349.0	731.0	1270.6	1243.0	296.0	134.5	151.7	122.6
87.5°	56.1	68.0	124.8	250.4	395.4	381.2	72.5	46.3	65.8	56.1
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°
1842.4	0°	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4	1842.4
1847.6	2.5°	1858.1	1870.1	1884.3	1905.2	1923.1	1938.1	1953.8	1963.5	1967.2	1978.4
1850.6	5°	1871.6	1897.7	1932.8	1967.2	2000.9	2021.0	2039.0	2048.0	2056.2	2062.2
1858.9	7.5°	1894.0	1927.6	1982.9	2027.8	2056.2	2072.6	2084.6	2081.6	2084.6	2086.1
1867.8	10°	1913.4	1960.5	2026.3	2068.9	2090.6	2091.3	2088.3	2077.8	2072.6	2073.4
1881.3	12.5°	1936.6	1988.9	2059.9	2095.8	2101.8	2085.3	2072.6	2054.7	2048.0	2045.0
1901.5	15°	1968.0	2027.8	2096.5	2110.0	2095.0	2074.1	2052.4	2023.3	2008.3	1996.4
1935.8	17.5°	2006.1	2071.9	2124.9	2115.2	2083.1	2048.7	2013.6	1969.5	1938.8	1926.1
1982.9	20°	2059.2	2118.2	2146.6	2104.0	2055.4	2003.1	1943.3	1889.5	1861.1	1848.4
2042.7	22.5°	2123.4	2180.2	2167.5	2084.6	2015.8	1932.1	1857.4	1817.7	1803.5	1794.6
2119.7	25°	2200.4	2249.0	2182.5	2056.2	1950.8	1837.9	1780.4	1767.7	1760.9	1754.2
2213.9	27.5°	2300.6	2326.7	2193.7	2014.3	1849.1	1737.8	1716.8	1719.1	1716.8	1705.6
2344.7	30°	2432.9	2427.6	2204.2	1946.3	1732.5	1647.3	1648.8	1658.5	1660.0	1652.6
2527.1	32.5°	2607.0	2554.0	2209.4	1858.1	1621.2	1568.1	1569.6	1580.1	1587.5	1574.8
2765.5	35°	2817.8	2701.2	2201.2	1747.5	1535.2	1492.6	1481.4	1484.4	1486.6	1474.7
3054.7	37.5°	3063.7	2866.4	2164.5	1624.9	1464.2	1418.6	1394.7	1374.5	1362.6	1351.3
3382.1	40°	3333.5	3046.5	2097.3	1505.3	1385.0	1340.1	1304.3	1266.1	1225.8	1210.8
3728.9	42.5°	3616.1	3231.9	2015.8	1391.0	1293.8	1257.2	1219.1	1163.7	1103.2	1072.6
4089.2	45°	3909.0	3421.7	1935.8	1278.1	1200.4	1184.7	1140.6	1074.1	1008.3	969.4
4450.2	47.5°	4196.1	3601.1	1818.5	1164.5	1112.9	1130.1	1095.7	1034.4	961.2	899.9
4808.2	50°	4470.4	3769.3	1626.4	1049.4	1041.9	1113.7	1080.8	992.6	908.9	830.4
5159.5	52.5°	4742.4	3905.3	1380.5	944.7	1003.8	1109.2	1061.3	964.2	861.8	779.6
5489.9	55°	4973.4	3975.6	1143.6	855.1	948.5	1071.1	1038.2	930.5	795.3	707.8
5716.3	57.5°	5104.9	3918.8	946.2	766.9	872.2	1008.3	998.6	858.8	716.0	648.8
5760.4	60°	5048.1	3688.6	784.8	689.9	799.7	940.3	929.8	787.8	655.5	592.0
5524.2	62.5°	4735.0	3249.8	657.0	622.6	734.0	870.8	861.0	733.2	609.2	547.9
4897.1	65°	4104.1	2643.6	557.6	566.5	667.5	787.0	801.2	687.6	572.5	512.7
3788.7	67.5°	3130.2	1914.9	479.8	518.0	602.4	704.8	745.9	654.7	541.9	485.1
2192.2	70°	1784.1	1087.5	414.1	470.9	544.9	628.6	703.3	628.6	509.0	461.9
821.4	72.5°	676.4	499.3	358.0	423.8	489.6	564.3	656.2	587.5	470.9	435.8
424.5	75°	361.0	304.2	301.2	368.5	426.0	501.5	597.2	547.1	442.5	460.4
293.7	77.5°	245.9	215.3	251.9	315.4	356.5	432.0	534.4	485.8	383.4	381.9
203.3	80°	170.4	152.5	204.8	254.1	275.8	363.2	466.4	417.1	312.4	291.5
125.6	82.5°	102.4	99.4	153.2	189.8	195.1	280.3	386.4	349.8	255.6	222.7
74.7	85°	56.1	59.0	97.9	111.4	113.6	195.8	302.7	270.6	196.6	165.2
26.9	87.5°	15.7	20.2	35.9	44.1	54.6	101.7	180.1	160.7	98.7	68.8
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°
1842.4
1977.7
2063.6
2088.3
2074.9
2043.5
2000.1
1926.9
1846.9
1796.1
1754.2
1707.9
1656.3
1580.8
1482.9
1358.8
1217.6
1076.3
966.4
893.2
823.7
770.6
700.3
639.8
583.0
538.1
503.0
476.1
455.9
429.8
475.4
352.0
278.8
224.2
166.7
68.8
0.0

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