

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: P852475

Luminaire Tested: **GLAN-SB4A-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852475  
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-SB4A-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14712 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

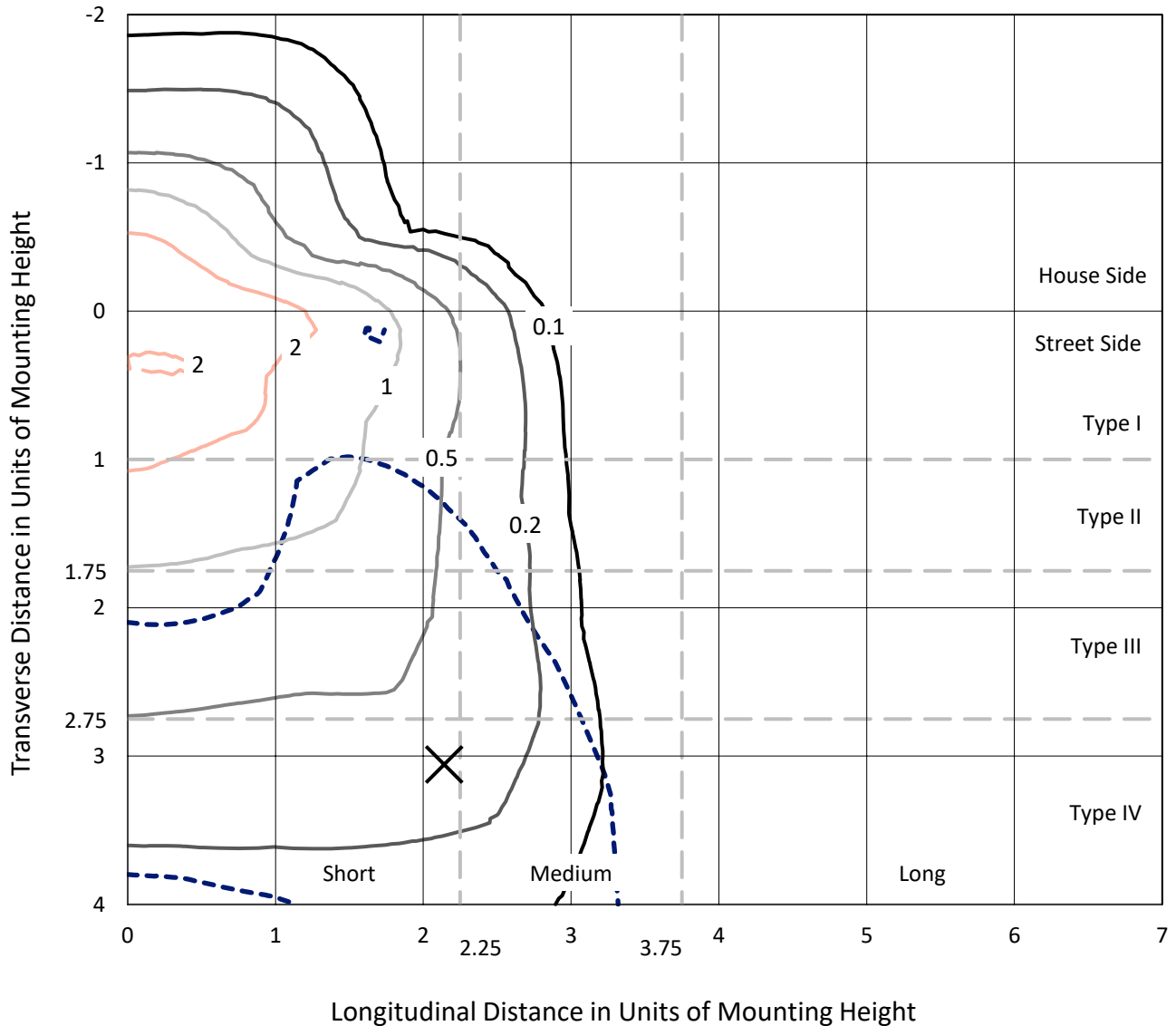
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

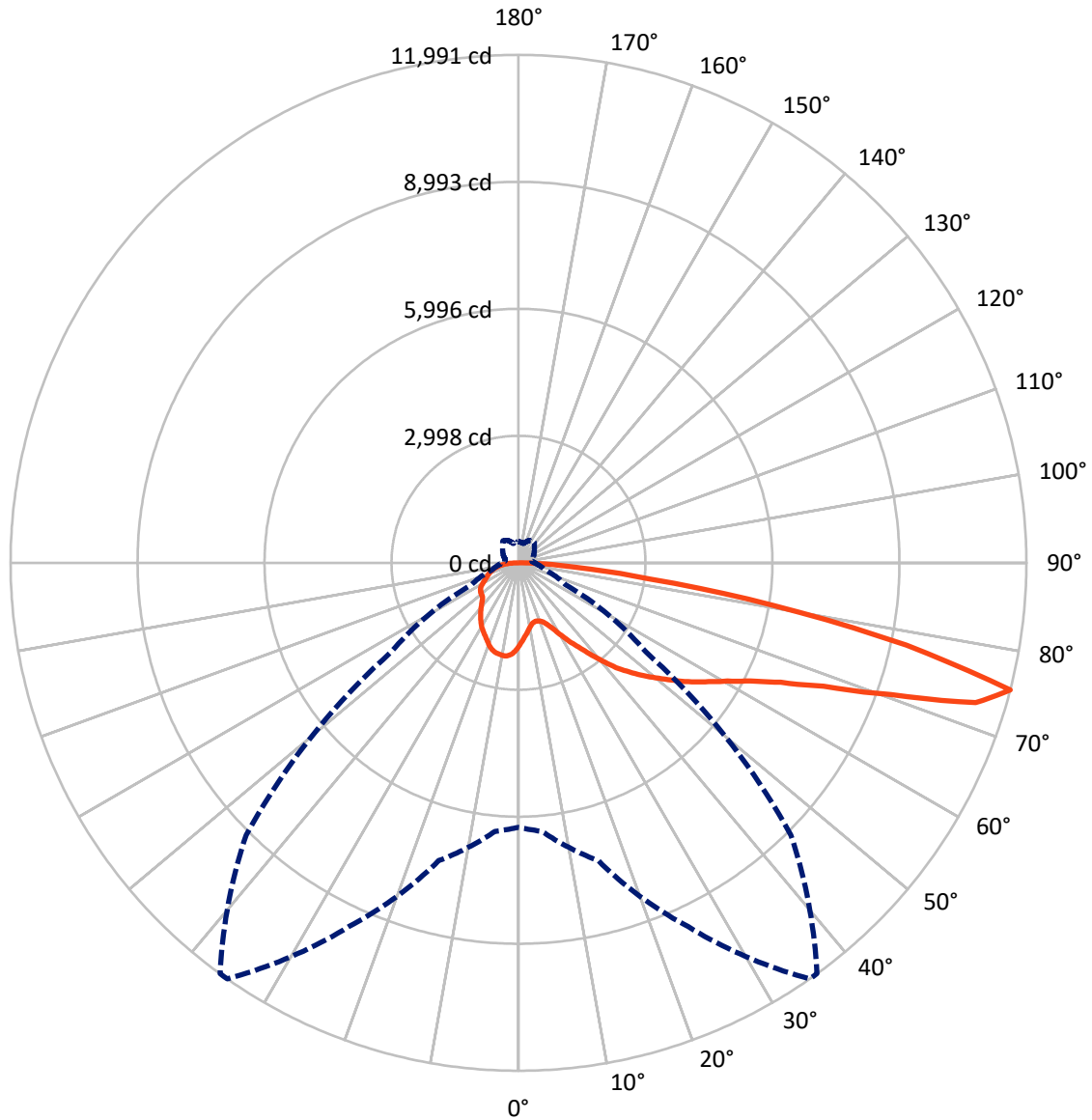
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type 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
<b>House Side</b>	Lumens	3501.1	0.0	3501.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	11210.9	0.0	11210.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	14712.0	0.0	14712.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.6	1.3
10°-20°	535.4	3.6
20°-30°	899.1	6.1
30°-40°	1397.3	9.5
40°-50°	2074.0	14.1
50°-60°	2863.2	19.5
60°-70°	3473.7	23.6
70°-80°	2870.8	19.5
80°-90°	412.9	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°	14712.0	100.0
0°-180°	14712.0	100.0

**Coefficient of Utilization**



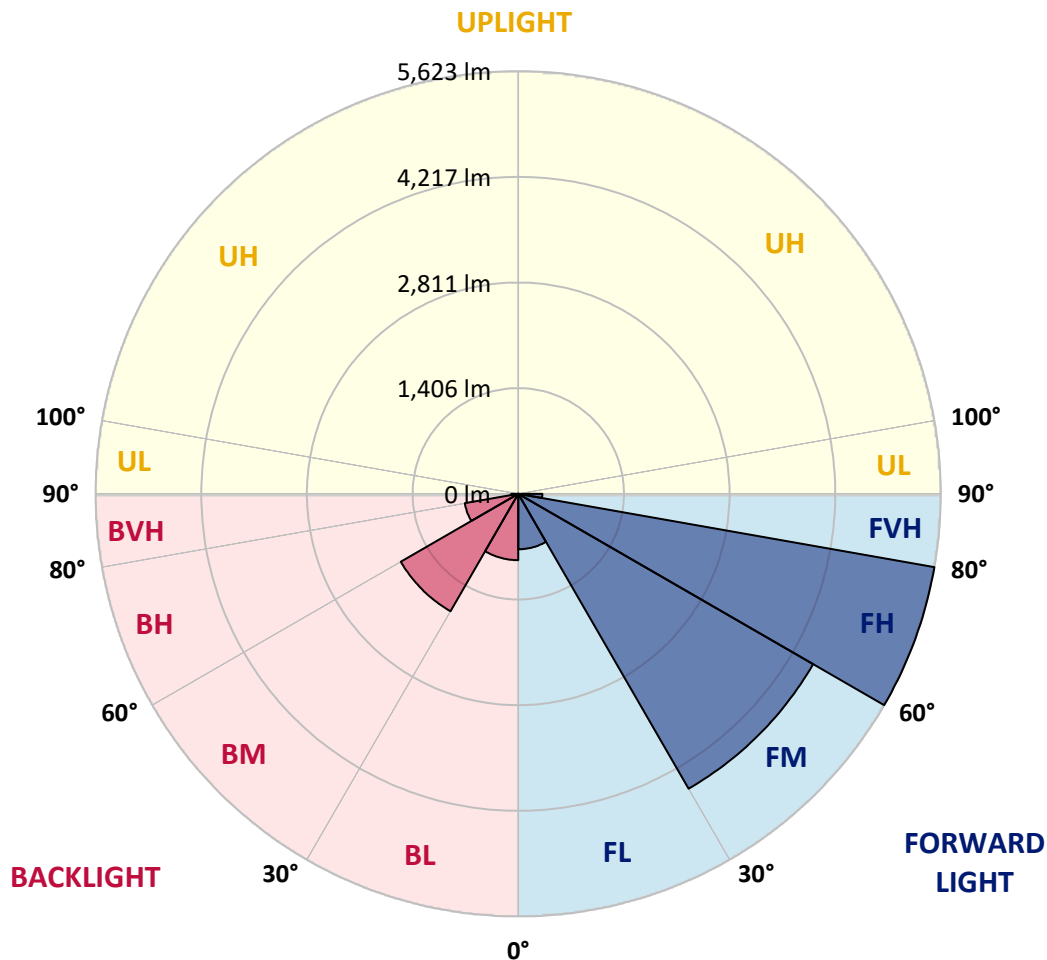
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.8	5.0			
FM (30°-60°)	4530.5	30.8			
FH (60°-80°)	5622.7	38.2			G3/7500
FVH (80°-90°)	319.9	2.2			G3/500
BL (0°-30°)	882.3	6.0	B2/1000		
BM (30°-60°)	1804.0	12.3	B2/2500		
BH (60°-80°)	721.8	4.9	B2/1000		G2/1000
BVH (80°-90°)	93.0	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°	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5
2.5°	1807.8	1818.9	1823.7	1821.3	1833.2	1831.6	1848.3	1869.0	1897.6	1925.5
5°	1668.6	1680.5	1690.9	1700.4	1723.5	1730.6	1756.9	1796.6	1849.1	1902.4
7.5°	1539.0	1549.3	1565.2	1582.7	1621.7	1628.8	1672.6	1734.6	1807.8	1885.7
10°	1433.2	1443.5	1460.2	1480.1	1528.6	1537.4	1593.0	1675.7	1771.2	1869.8
12.5°	1387.8	1391.0	1400.6	1420.4	1462.6	1468.2	1529.4	1624.1	1735.4	1857.9
15°	1385.5	1391.8	1392.6	1403.0	1437.9	1440.3	1496.8	1590.6	1713.1	1855.5
17.5°	1409.3	1414.1	1406.9	1413.3	1442.7	1446.7	1491.2	1574.7	1706.0	1865.8
20°	1472.9	1476.9	1455.4	1446.7	1468.2	1471.3	1515.1	1585.1	1713.1	1887.3
22.5°	1608.1	1610.5	1558.0	1522.3	1523.8	1525.4	1563.6	1627.2	1741.0	1926.3
25°	1818.9	1817.3	1733.8	1664.6	1624.8	1616.1	1641.5	1695.6	1787.9	1978.0
27.5°	2065.5	2053.5	1970.0	1866.6	1779.9	1767.2	1761.6	1784.7	1854.7	2046.4
30°	2343.8	2332.7	2242.8	2107.6	1987.5	1966.8	1914.3	1902.4	1954.1	2139.4
32.5°	2649.2	2642.1	2534.7	2370.9	2210.2	2186.3	2098.1	2066.3	2106.8	2280.2
35°	2905.3	2899.0	2809.9	2641.3	2444.8	2415.4	2325.5	2289.7	2310.4	2460.7
37.5°	3136.8	3133.6	3057.2	2924.4	2721.6	2685.8	2584.8	2572.9	2568.9	2698.5
40°	3351.5	3343.5	3264.0	3194.0	3043.7	3011.1	2922.0	2911.7	2881.5	2991.2
42.5°	3589.3	3568.6	3453.3	3420.7	3380.1	3353.1	3299.8	3301.4	3234.6	3321.3
45°	3783.4	3771.4	3652.9	3633.8	3677.6	3666.4	3712.6	3724.5	3594.9	3667.2
47.5°	3991.7	3980.6	3880.4	3866.9	3985.4	3988.5	4151.6	4155.6	3946.4	4026.7
50°	4248.6	4232.7	4133.3	4150.0	4282.8	4294.7	4593.0	4566.0	4270.1	4391.8
52.5°	4418.0	4427.6	4406.1	4433.1	4614.5	4625.6	5027.2	4958.0	4590.6	4752.1
55°	4542.9	4562.0	4628.8	4690.8	4964.4	4975.5	5436.8	5331.1	4856.2	5086.1
57.5°	4703.5	4676.5	4801.4	4922.3	5296.9	5326.3	5835.3	5690.5	5091.7	5374.0
60°	4934.2	4915.1	5012.1	5191.1	5669.1	5716.0	6256.8	6014.2	5264.2	5602.3
62.5°	5401.8	5354.1	5369.2	5527.5	6138.3	6200.3	6732.4	6296.6	5350.1	5691.3
65°	6100.9	6019.0	5942.7	6052.4	6799.2	6860.5	7269.3	6518.5	5318.3	5518.8
67.5°	6981.4	6900.2	6806.4	6909.8	7772.7	7821.2	7931.8	6643.3	5067.8	4853.9
70°	7707.5	7677.3	7789.4	8214.9	9327.6	9329.1	8781.2	6539.9	4381.4	3441.4
72.5°	7611.3	7593.0	8183.9	9499.3	11287.2	11245.1	9585.2	5757.4	2951.4	1552.5
75°	6244.1	6362.6	7278.0	9476.3	11991.1	11985.5	9092.9	3660.1	1220.8	643.4
77.5°	3348.3	3536.0	4725.0	6996.5	9361.0	9501.7	6392.8	1280.5	524.1	412.0
80°	1092.0	1255.8	1883.3	3562.3	6082.6	6056.4	2739.9	502.6	358.7	291.9
82.5°	463.7	482.8	841.5	1682.1	3121.6	3073.1	872.5	288.7	252.1	199.6
85°	181.3	202.8	371.4	777.8	1352.1	1322.6	314.9	143.2	161.5	130.4
87.5°	59.6	72.4	132.8	266.4	420.7	405.6	77.1	49.3	70.0	59.6
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°
1960.5	0°	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5	1960.5
1966.0	2.5°	1977.2	1989.9	2005.0	2027.3	2046.4	2062.3	2079.0	2089.3	2093.3	2105.2
1969.2	5°	1991.5	2019.3	2056.7	2093.3	2129.1	2150.6	2169.6	2179.2	2187.9	2194.3
1978.0	7.5°	2015.4	2051.1	2110.0	2157.7	2187.9	2205.4	2218.2	2215.0	2218.2	2219.7
1987.5	10°	2036.0	2086.1	2156.1	2201.5	2224.5	2225.3	2222.1	2211.0	2205.4	2206.2
2001.8	12.5°	2060.7	2116.4	2191.9	2230.1	2236.5	2219.0	2205.4	2186.3	2179.2	2176.0
2023.3	15°	2094.1	2157.7	2230.9	2245.2	2229.3	2207.0	2184.0	2152.9	2137.0	2124.3
2059.9	17.5°	2134.6	2204.6	2261.1	2250.8	2216.6	2180.0	2142.6	2095.7	2063.1	2049.5
2110.0	20°	2191.1	2253.9	2284.2	2238.8	2187.1	2131.5	2067.8	2010.6	1980.4	1966.8
2173.6	22.5°	2259.5	2320.0	2306.4	2218.2	2145.0	2055.9	1976.4	1934.2	1919.1	1909.6
2255.5	25°	2341.4	2393.1	2322.3	2187.9	2075.8	1955.7	1894.5	1880.9	1873.8	1866.6
2355.7	27.5°	2448.0	2475.8	2334.3	2143.4	1967.6	1849.1	1826.9	1829.2	1826.9	1814.9
2494.9	30°	2588.8	2583.2	2345.4	2071.0	1843.6	1752.9	1754.5	1764.8	1766.4	1758.5
2689.0	32.5°	2774.1	2717.6	2351.0	1977.2	1725.1	1668.6	1670.2	1681.3	1689.3	1675.7
2942.7	35°	2998.4	2874.3	2342.2	1859.5	1633.6	1588.3	1576.3	1579.5	1581.9	1569.2
3250.5	37.5°	3260.0	3050.1	2303.3	1729.0	1558.0	1509.5	1484.1	1462.6	1449.9	1437.9
3598.8	40°	3547.1	3241.7	2231.7	1601.8	1473.7	1426.0	1387.8	1347.3	1304.3	1288.4
3967.9	42.5°	3847.8	3439.0	2145.0	1480.1	1376.7	1337.7	1297.2	1238.3	1173.9	1141.3
4351.2	45°	4159.5	3641.0	2059.9	1360.0	1277.3	1260.6	1213.7	1142.9	1072.9	1031.5
4735.4	47.5°	4464.9	3831.9	1935.0	1239.1	1184.2	1202.5	1165.9	1100.7	1022.8	957.6
5116.3	50°	4756.8	4010.8	1730.6	1116.6	1108.7	1185.0	1150.0	1056.2	967.1	883.6
5490.1	52.5°	5046.3	4155.6	1469.0	1005.3	1068.1	1180.3	1129.4	1026.0	917.0	829.5
5841.7	55°	5292.1	4230.3	1216.8	909.9	1009.3	1139.7	1104.7	990.2	846.2	753.2
6082.6	57.5°	5432.1	4169.9	1006.9	816.0	928.1	1072.9	1062.6	913.8	761.9	690.3
6129.6	60°	5371.6	3924.9	835.1	734.1	851.0	1000.5	989.4	838.3	697.5	629.9
5878.2	62.5°	5038.4	3458.1	699.1	662.5	781.0	926.6	916.2	780.2	648.2	583.0
5211.0	65°	4367.1	2813.1	593.3	602.9	710.2	837.5	852.6	731.7	609.2	545.6
4031.5	67.5°	3330.8	2037.6	510.6	551.2	641.0	750.0	793.7	696.7	576.6	516.2
2332.7	70°	1898.4	1157.2	440.6	501.1	579.8	668.9	748.4	668.9	541.6	491.5
874.1	72.5°	719.8	531.3	381.0	450.9	520.9	600.5	698.3	625.1	501.1	463.7
451.7	75°	384.1	323.7	320.5	392.1	453.3	533.7	635.5	582.2	470.8	489.9
312.6	77.5°	261.7	229.1	268.0	335.6	379.4	459.7	568.7	517.0	408.0	406.4
216.3	80°	181.3	162.2	217.9	270.4	293.5	386.5	496.3	443.8	332.4	310.2
133.6	82.5°	109.0	105.8	163.0	202.0	207.6	298.2	411.2	372.2	272.0	237.0
79.5	85°	59.6	62.8	104.2	118.5	120.9	208.4	322.1	287.9	209.2	175.8
28.6	87.5°	16.7	21.5	38.2	46.9	58.1	108.2	191.7	171.0	105.0	73.2
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>
1960.5
2104.4
2195.9
2222.1
2207.8
2174.4
2128.3
2050.3
1965.2
1911.2
1866.6
1817.3
1762.4
1682.1
1577.9
1445.9
1295.6
1145.3
1028.4
950.4
876.4
820.0
745.2
680.8
620.4
572.6
535.3
506.6
485.1
457.3
505.8
374.6
296.7
238.6
177.4
73.2
0.0

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