

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: P852619

Luminaire Tested: **GLAN-SB5A-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852619  
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-SB5A-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15109 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

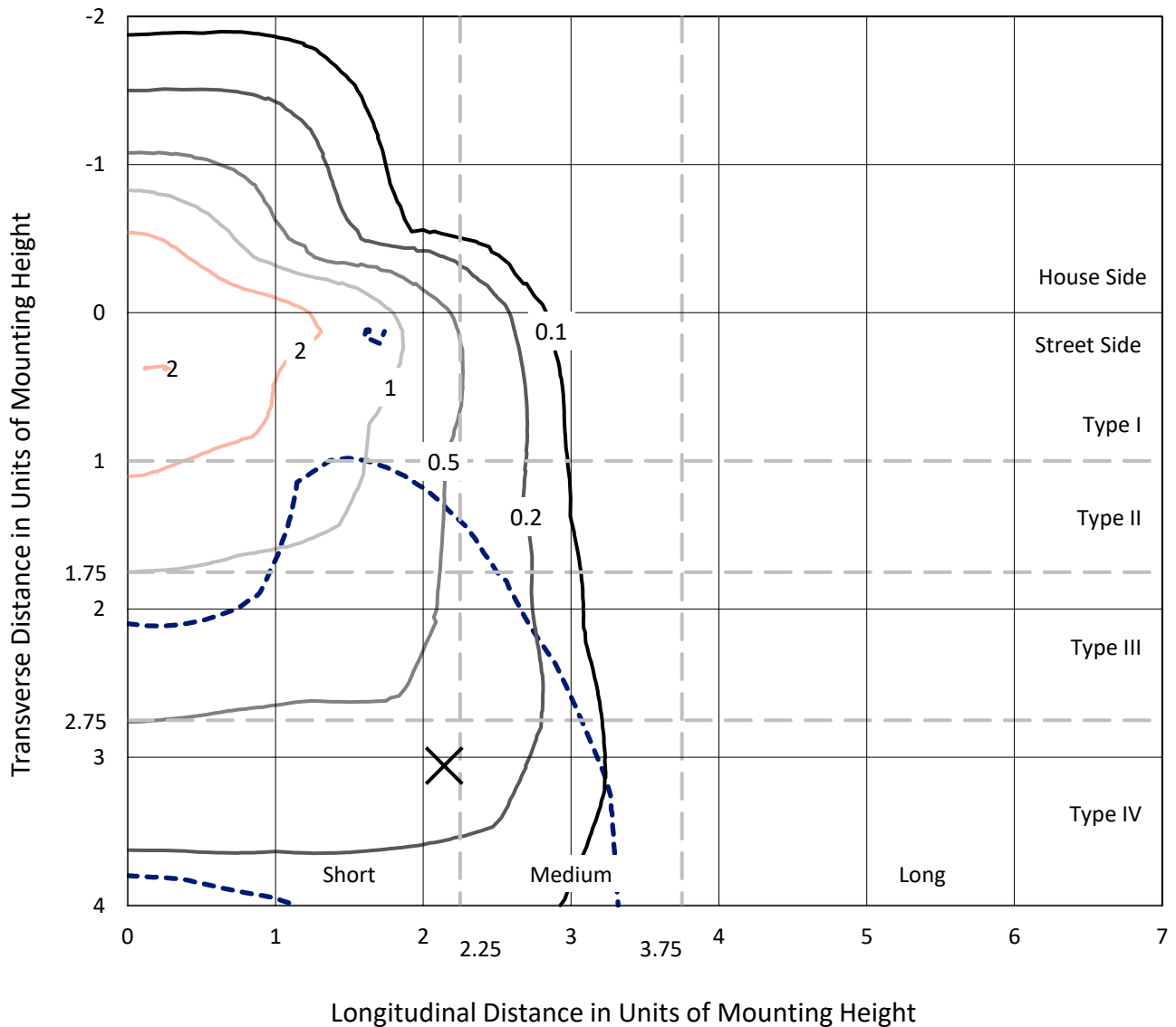
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

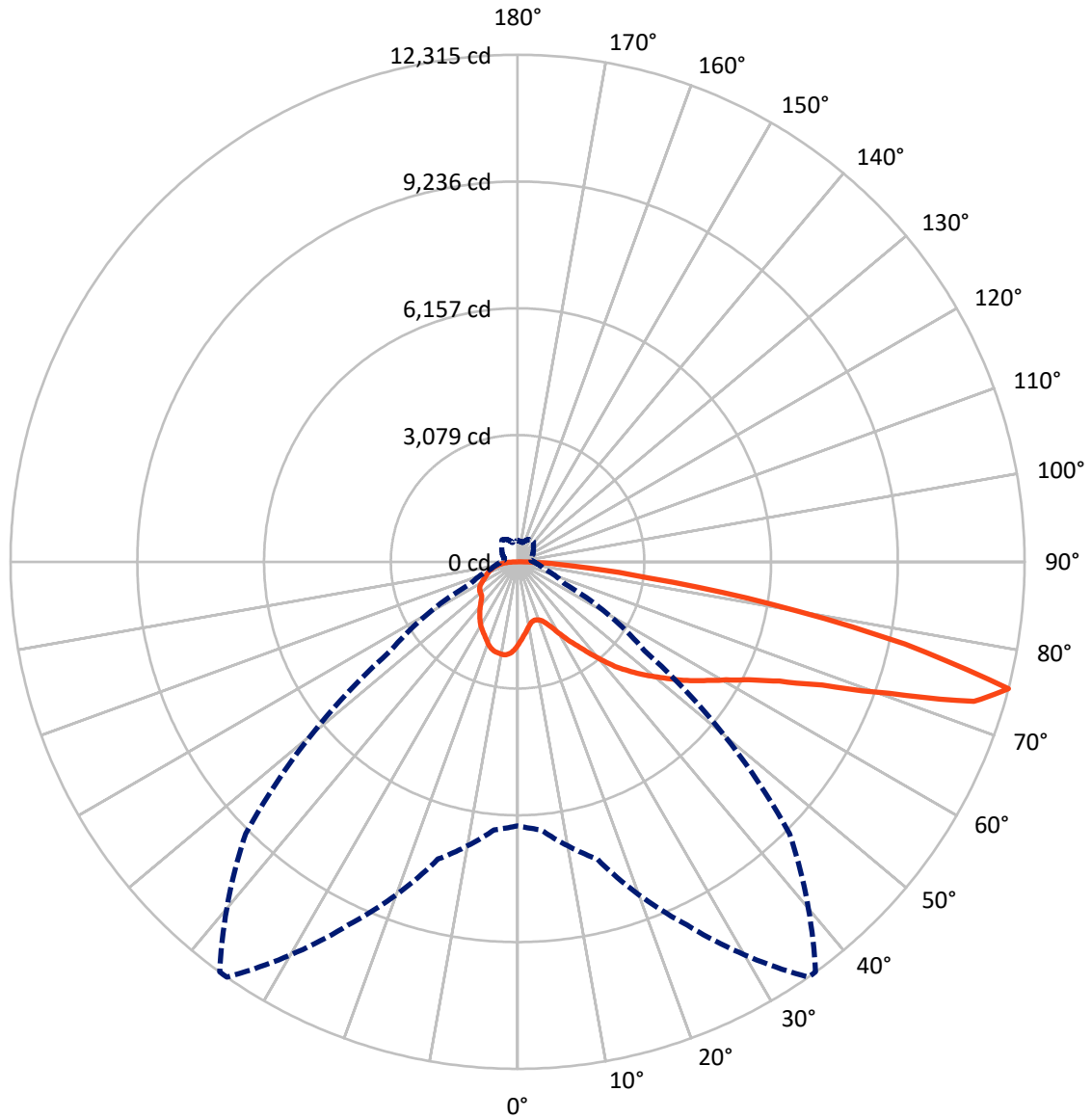
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type 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	3595.6	0.0	3595.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	11513.4	0.0	11513.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	15109.0	0.0	15109.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.6	1.3
10°-20°	549.9	3.6
20°-30°	923.3	6.1
30°-40°	1435.0	9.5
40°-50°	2129.9	14.1
50°-60°	2940.5	19.5
60°-70°	3567.5	23.6
70°-80°	2948.2	19.5
80°-90°	424.0	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°	15109.0	100.0
0°-180°	15109.0	100.0

**Coefficient of Utilization**



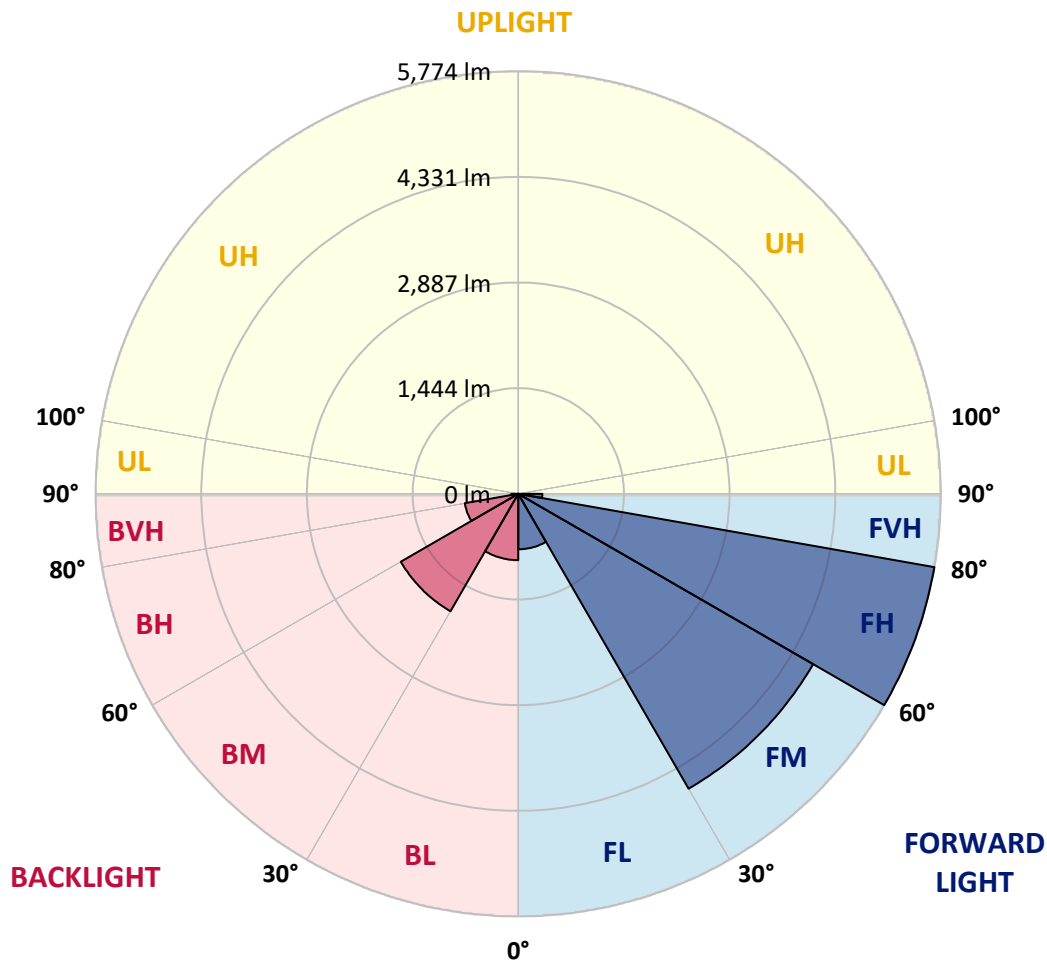
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.7	5.0			
FM (30°-60°)	4652.8	30.8			
FH (60°-80°)	5774.4	38.2			G3/7500
FVH (80°-90°)	328.6	2.2			G3/500
BL (0°-30°)	906.1	6.0	B2/1000		
BM (30°-60°)	1852.7	12.3	B2/2500		
BH (60°-80°)	741.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	95.5	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°	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4
2.5°	1856.6	1868.0	1872.9	1870.4	1882.7	1881.1	1898.2	1919.4	1948.9	1977.4
5°	1713.6	1725.9	1736.5	1746.3	1770.0	1777.3	1804.3	1845.1	1899.0	1953.8
7.5°	1580.5	1591.1	1607.4	1625.4	1665.4	1672.8	1717.7	1781.4	1856.6	1936.6
10°	1471.8	1482.5	1499.6	1520.0	1569.9	1578.8	1636.0	1721.0	1819.0	1920.3
12.5°	1425.3	1428.6	1438.4	1458.8	1502.1	1507.8	1570.7	1667.9	1782.2	1908.0
15°	1422.8	1429.4	1430.2	1440.8	1476.7	1479.2	1537.2	1633.6	1759.4	1905.6
17.5°	1447.3	1452.2	1444.9	1451.4	1481.6	1485.7	1531.5	1617.2	1752.0	1916.2
20°	1512.7	1516.8	1494.7	1485.7	1507.8	1511.1	1556.0	1627.9	1759.4	1938.2
22.5°	1651.5	1654.0	1600.1	1563.3	1565.0	1566.6	1605.8	1671.1	1787.9	1978.3
25°	1868.0	1866.4	1780.6	1709.5	1668.7	1659.7	1685.8	1741.4	1836.1	2031.3
27.5°	2121.2	2108.9	2023.2	1917.0	1828.0	1814.9	1809.2	1832.9	1904.7	2101.6
30°	2407.1	2395.6	2303.3	2164.5	2041.1	2019.9	1966.0	1953.8	2006.8	2197.2
32.5°	2720.7	2713.4	2603.1	2434.8	2269.8	2245.3	2154.7	2122.0	2163.7	2341.7
35°	2983.7	2977.2	2885.7	2712.5	2510.8	2480.6	2388.3	2351.5	2372.8	2527.1
37.5°	3221.4	3218.1	3139.7	3003.3	2795.0	2758.3	2654.6	2642.3	2638.2	2771.4
40°	3441.9	3433.8	3352.1	3280.2	3125.8	3092.4	3000.9	2990.3	2959.2	3071.9
42.5°	3686.2	3664.9	3546.5	3513.0	3471.3	3443.6	3388.8	3390.5	3321.9	3410.9
45°	3885.4	3873.2	3751.5	3731.9	3776.8	3765.4	3812.8	3825.0	3691.9	3766.2
47.5°	4099.4	4088.0	3985.1	3971.2	4092.9	4096.2	4263.6	4267.7	4052.9	4135.4
50°	4363.3	4346.9	4244.8	4262.0	4398.4	4410.6	4716.9	4689.2	4385.3	4510.3
52.5°	4537.2	4547.0	4525.0	4552.8	4739.0	4750.4	5162.9	5091.8	4714.5	4880.3
55°	4665.5	4685.1	4753.7	4817.4	5098.4	5109.8	5583.5	5474.9	4987.3	5223.3
57.5°	4830.5	4802.7	4930.9	5055.1	5439.8	5470.0	5992.8	5844.1	5229.1	5519.0
60°	5067.3	5047.7	5147.4	5331.2	5822.0	5870.2	6425.7	6176.5	5406.3	5753.4
62.5°	5547.6	5498.6	5514.1	5676.7	6304.0	6367.7	6914.1	6466.5	5494.5	5844.9
65°	6265.6	6181.4	6103.0	6215.7	6982.7	7045.6	7465.4	6694.4	5461.8	5667.7
67.5°	7169.7	7086.4	6990.1	7096.2	7982.4	8032.3	8145.8	6822.6	5204.6	4984.8
70°	7915.5	7884.4	7999.6	8436.6	9579.3	9580.9	9018.1	6716.4	4499.7	3534.2
72.5°	7816.6	7797.9	8404.7	9755.7	11591.8	11548.5	9843.9	5912.7	3031.1	1594.4
75°	6412.6	6534.3	7474.4	9732.0	12314.7	12309.0	9338.3	3758.8	1253.8	660.8
77.5°	3438.7	3631.4	4852.5	7185.3	9613.6	9758.1	6565.3	1315.0	538.3	423.1
80°	1121.4	1289.7	1934.1	3658.4	6246.8	6219.8	2813.8	516.2	368.4	299.8
82.5°	476.2	495.8	864.2	1727.5	3205.9	3156.1	896.0	296.5	258.9	205.0
85°	186.2	208.3	381.4	798.8	1388.5	1358.3	323.4	147.0	165.8	134.0
87.5°	61.3	74.3	136.4	273.6	432.1	416.6	79.2	50.6	71.9	61.3
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°
2013.4	0°	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4	2013.4
2019.1	2.5°	2030.5	2043.6	2059.1	2082.0	2101.6	2117.9	2135.1	2145.7	2149.8	2162.0
2022.4	5°	2045.2	2073.8	2112.2	2149.8	2186.5	2208.6	2228.2	2238.0	2247.0	2253.5
2031.3	7.5°	2069.7	2106.5	2166.9	2215.9	2247.0	2264.9	2278.0	2274.7	2278.0	2279.6
2041.1	10°	2091.0	2142.4	2214.3	2260.9	2284.5	2285.4	2282.1	2270.7	2264.9	2265.8
2055.8	12.5°	2116.3	2173.5	2251.1	2290.3	2296.8	2278.8	2264.9	2245.3	2238.0	2234.7
2077.9	15°	2150.6	2215.9	2291.1	2305.8	2289.4	2266.6	2242.9	2211.0	2194.7	2181.6
2115.5	17.5°	2192.3	2264.1	2322.1	2311.5	2276.4	2238.8	2200.4	2152.2	2118.7	2104.9
2166.9	20°	2250.2	2314.8	2345.8	2299.3	2246.2	2189.0	2123.6	2064.8	2033.8	2019.9
2232.3	22.5°	2320.5	2382.6	2368.7	2278.0	2202.9	2111.4	2029.7	1986.4	1970.9	1961.1
2316.4	25°	2404.6	2457.7	2385.0	2247.0	2131.8	2008.5	1945.6	1931.7	1924.3	1917.0
2419.3	27.5°	2514.1	2542.7	2397.3	2201.2	2020.7	1899.0	1876.2	1878.6	1876.2	1863.9
2562.3	30°	2658.6	2652.9	2408.7	2126.9	1893.3	1800.2	1801.8	1812.4	1814.1	1805.9
2761.6	32.5°	2848.9	2791.0	2414.4	2030.5	1771.6	1713.6	1715.2	1726.7	1734.9	1721.0
3022.1	35°	3079.3	2951.9	2405.4	1909.6	1677.7	1631.1	1618.9	1622.1	1624.6	1611.5
3338.2	37.5°	3348.0	3132.4	2365.4	1775.7	1600.1	1550.3	1524.1	1502.1	1489.0	1476.7
3696.0	40°	3642.9	3329.2	2291.9	1645.0	1513.5	1464.5	1425.3	1383.6	1339.5	1323.2
4074.9	42.5°	3951.6	3531.8	2202.9	1520.0	1413.9	1373.8	1332.2	1271.7	1205.6	1172.1
4468.6	45°	4271.8	3739.2	2115.5	1396.7	1311.8	1294.6	1246.4	1173.7	1101.8	1059.4
4863.1	47.5°	4585.4	3935.3	1987.2	1272.6	1216.2	1235.0	1197.4	1130.4	1050.4	983.4
5254.4	50°	4885.2	4119.0	1777.3	1146.8	1138.6	1217.0	1181.1	1084.7	993.2	907.4
5638.3	52.5°	5182.5	4267.7	1508.6	1032.4	1096.9	1212.1	1159.8	1053.7	941.8	851.9
5999.3	55°	5434.9	4344.5	1249.7	934.4	1036.5	1170.5	1134.5	1016.9	869.1	773.5
6246.8	57.5°	5578.6	4282.4	1034.1	838.0	953.2	1101.8	1091.2	938.5	782.5	709.0
6295.0	60°	5516.6	4030.8	857.6	753.9	874.0	1027.5	1016.1	860.9	716.3	646.9
6036.9	62.5°	5174.3	3551.4	718.0	680.4	802.1	951.6	940.9	801.3	665.7	598.7
5351.6	65°	4485.0	2889.0	609.3	619.1	729.4	860.1	875.6	751.4	625.7	560.3
4140.3	67.5°	3420.7	2092.6	524.4	566.0	658.3	770.2	815.2	715.5	592.2	530.1
2395.6	70°	1949.7	1188.4	452.5	514.6	595.4	686.9	768.6	686.9	556.2	504.8
897.6	72.5°	739.2	545.6	391.2	463.1	535.0	616.7	717.1	642.0	514.6	476.2
463.9	75°	394.5	332.4	329.2	402.7	465.6	548.1	652.6	597.9	483.5	503.1
321.0	77.5°	268.7	235.2	275.3	344.7	389.6	472.1	584.0	530.9	419.0	417.4
222.2	80°	186.2	166.6	223.8	277.7	301.4	397.0	509.7	455.8	341.4	318.5
137.2	82.5°	111.9	108.6	167.4	207.5	213.2	306.3	422.3	382.3	279.3	243.4
81.7	85°	61.3	64.5	107.0	121.7	124.2	214.0	330.8	295.7	214.8	180.5
29.4	87.5°	17.2	22.1	39.2	48.2	59.6	111.1	196.8	175.6	107.8	75.1
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°
2013.4
2161.2
2255.1
2282.1
2267.4
2233.1
2185.7
2105.7
2018.3
1962.7
1917.0
1866.4
1810.0
1727.5
1620.5
1484.9
1330.5
1176.2
1056.1
976.1
900.1
842.1
765.3
699.2
637.1
588.1
549.7
520.3
498.2
469.7
519.5
384.7
304.7
245.0
182.1
75.1
0.0

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