

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: P852650

Luminaire Tested: **GLAN-SB5B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13869 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

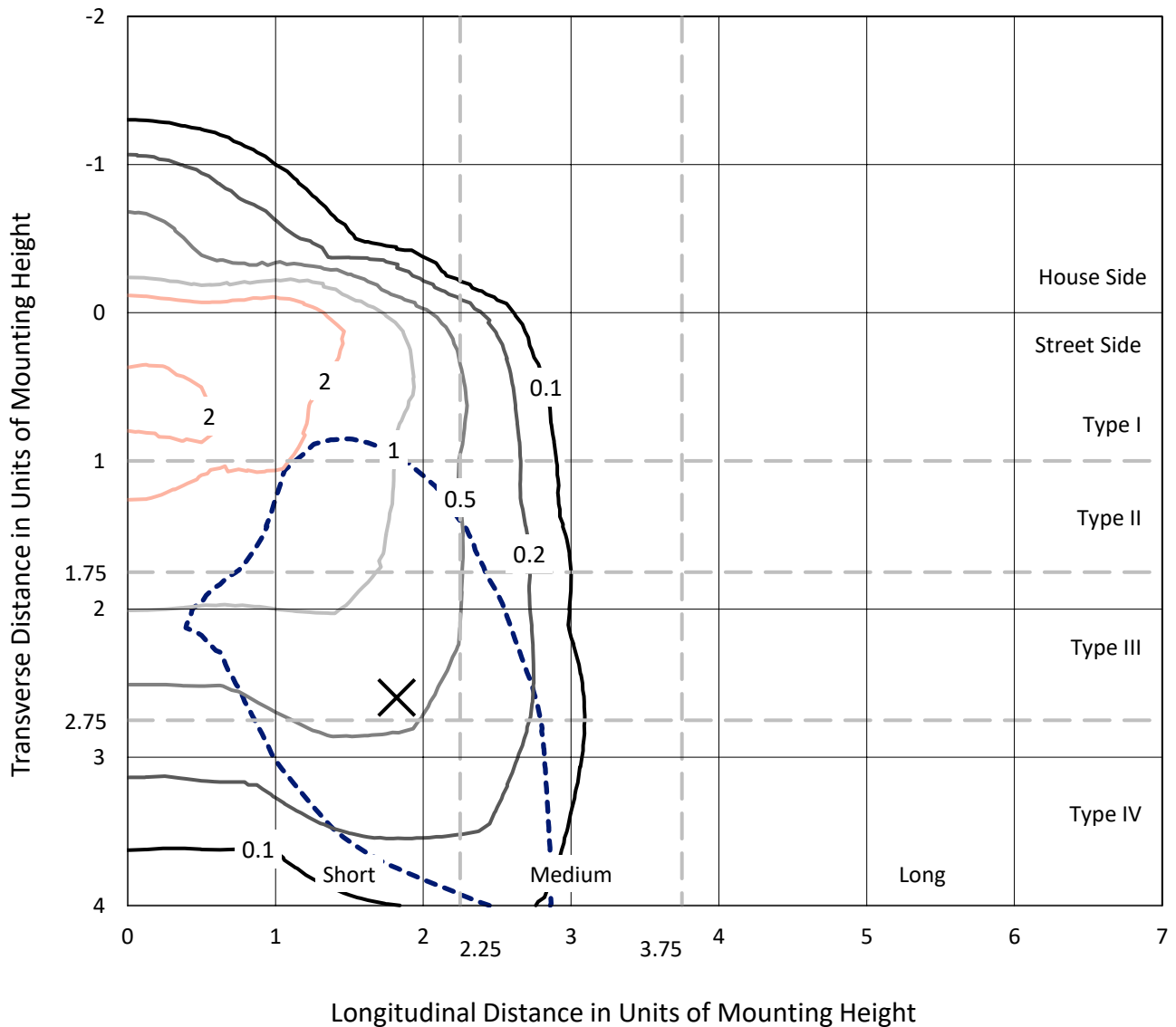
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

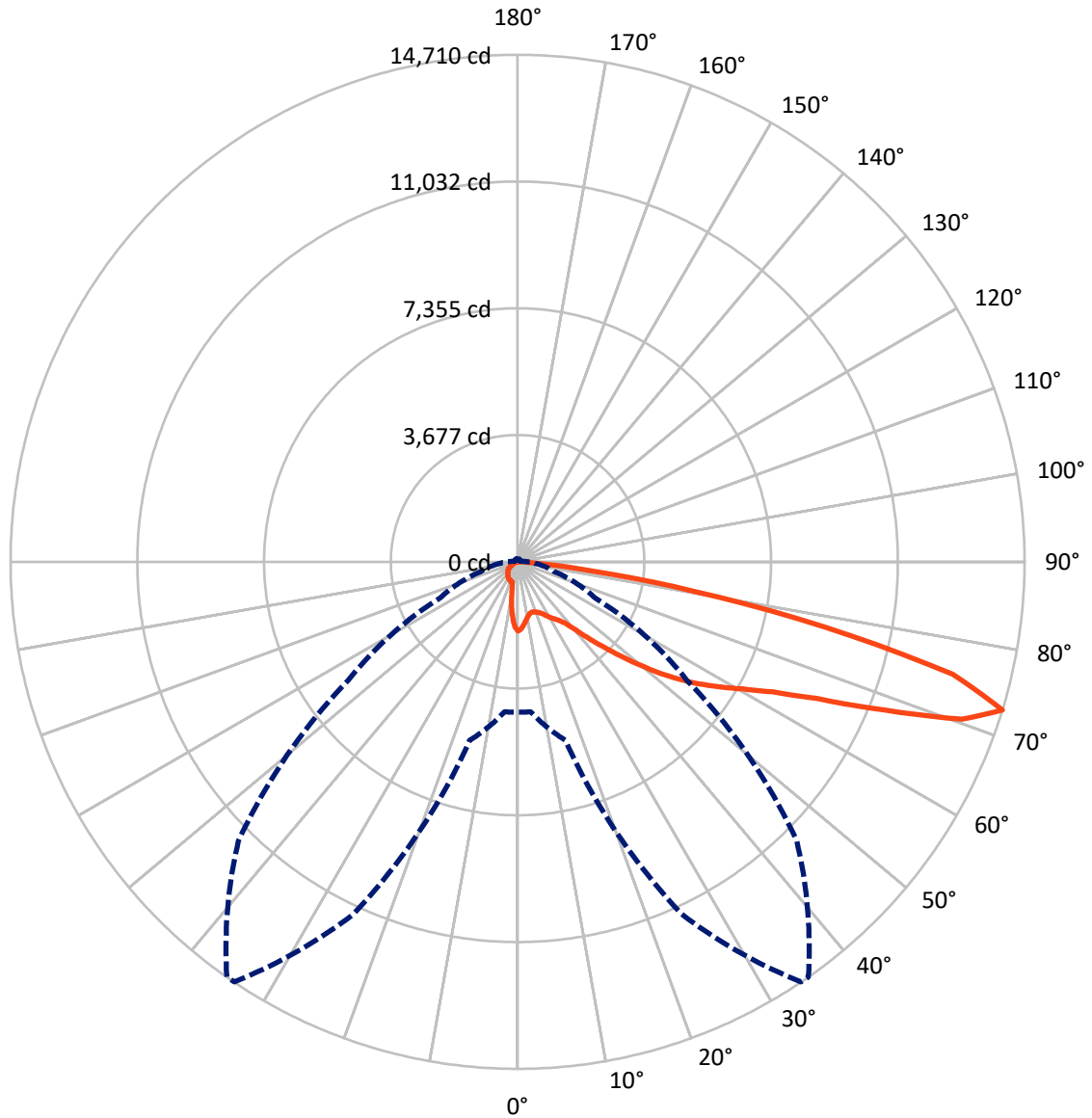
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1560.9	0.0	1560.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12308.1	0.0	12308.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	13869.0	0.0	13869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	1.2
10°-20°	386.4	2.8
20°-30°	627.7	4.5
30°-40°	1047.3	7.6
40°-50°	1981.6	14.3
50°-60°	3148.7	22.7
60°-70°	3895.2	28.1
70°-80°	2421.3	17.5
80°-90°	195.7	1.4
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°	13869.0	100.0
0°-180°	13869.0	100.0

Coefficient of Utilization



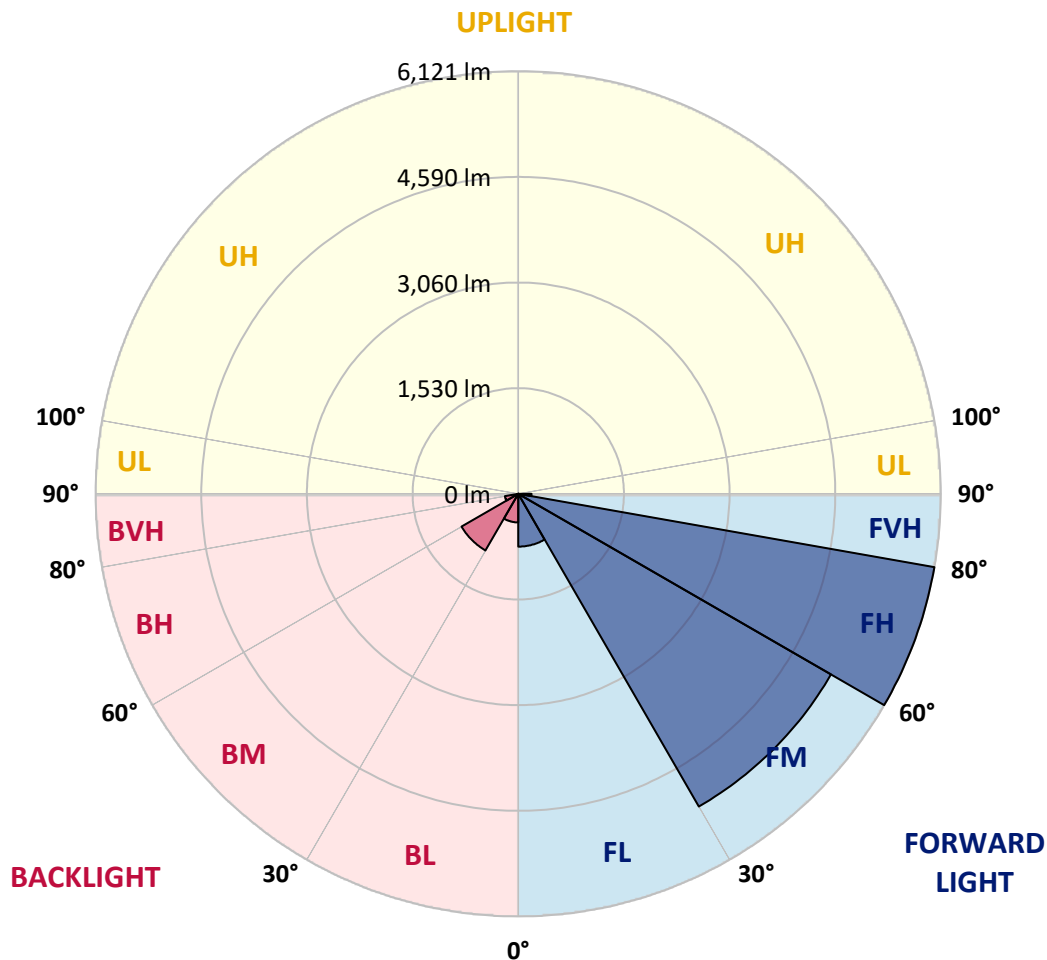
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	764.5	5.5			
FM	(30°-60°)	5230.0	37.7			
FH	(60°-80°)	6120.6	44.1			G3/7500
FVH	(80°-90°)	193.0	1.4			G2/225
BL	(0°-30°)	414.8	3.0	B1/500		
BM	(30°-60°)	947.6	6.8	B1/1000		
BH	(60°-80°)	195.9	1.4	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1
2.5°	1920.7	1936.9	1940.0	1945.0	1945.0	1951.1	1961.3	1975.5	1998.9	2011.1
5°	1770.3	1782.4	1797.7	1809.9	1833.3	1836.3	1875.9	1914.6	1968.4	2009.1
7.5°	1618.8	1633.1	1653.4	1682.9	1713.3	1722.5	1782.4	1847.5	1932.9	2009.1
10°	1512.1	1513.2	1531.4	1560.9	1609.7	1620.9	1694.0	1786.5	1893.2	1996.9
12.5°	1452.2	1459.3	1467.4	1489.8	1536.5	1543.6	1621.9	1730.6	1853.6	1989.8
15°	1452.2	1457.3	1462.3	1473.5	1511.1	1517.2	1586.3	1695.1	1833.3	1992.8
17.5°	1467.4	1475.6	1471.5	1484.7	1524.3	1528.4	1589.4	1684.9	1832.2	2012.1
20°	1504.0	1510.1	1502.0	1510.1	1549.7	1557.9	1620.9	1704.2	1849.5	2045.7
22.5°	1561.9	1565.0	1545.7	1551.8	1592.4	1602.6	1675.7	1759.1	1891.2	2099.5
25°	1635.1	1641.2	1611.7	1618.8	1657.5	1669.6	1754.0	1841.4	1957.2	2173.7
27.5°	1719.4	1722.5	1697.1	1696.1	1745.9	1763.1	1848.5	1943.0	2045.7	2267.2
30°	1816.0	1825.1	1800.7	1796.7	1859.7	1873.9	1958.3	2068.0	2175.7	2407.4
32.5°	1892.2	1899.3	1885.1	1895.3	1959.3	1970.5	2091.4	2244.8	2380.0	2606.6
35°	2002.0	2006.0	1973.5	1991.8	2065.0	2093.4	2273.3	2492.8	2637.1	2856.6
37.5°	2399.3	2399.3	2261.1	2170.6	2240.8	2266.2	2522.3	2804.8	2954.2	3191.9
40°	2949.1	2939.9	2737.7	2552.7	2543.6	2593.4	2876.9	3198.0	3363.7	3594.4
42.5°	3535.4	3521.2	3245.8	3062.9	3032.4	3049.7	3286.5	3682.8	3851.5	4085.2
45°	4055.7	4051.7	3799.6	3553.7	3498.8	3553.7	3797.6	4249.8	4370.8	4616.7
47.5°	4491.7	4491.7	4307.8	4147.2	4118.7	4151.3	4489.7	4878.9	4867.7	5182.7
50°	4993.7	4989.6	4814.9	4745.7	4775.2	4820.9	5286.4	5541.4	5381.9	5738.6
52.5°	5345.3	5369.7	5309.7	5298.6	5449.0	5528.2	6095.3	6189.8	5842.2	6266.0
55°	5623.8	5652.2	5721.3	5799.6	6089.2	6192.8	6878.8	6804.6	6227.4	6723.3
57.5°	6018.1	5977.4	6084.1	6238.6	6707.1	6832.0	7637.9	7384.9	6537.3	7094.2
60°	6496.7	6502.8	6521.1	6716.2	7323.9	7484.5	8385.8	7933.6	6736.5	7321.9
62.5°	7071.9	7081.0	7118.6	7418.4	8152.1	8303.5	9182.6	8382.8	6828.0	7257.8
65°	7032.2	7070.9	7490.6	8515.9	9411.2	9560.6	10112.4	8697.8	6689.8	6672.5
67.5°	6406.3	6469.3	7171.5	9826.8	11309.5	11476.2	11236.3	8759.8	6093.3	5188.8
70°	5585.1	5607.5	6452.0	11005.7	13507.6	13676.3	12242.4	8077.9	4623.8	2894.2
72.5°	4361.6	4366.7	5357.5	11279.0	14700.6	14709.8	11452.8	5996.7	2486.7	1111.7
75°	3115.7	3085.2	3588.3	9147.0	12933.4	13037.1	8586.0	2812.9	950.2	525.4
77.5°	1670.7	1704.2	2030.4	5424.6	8934.6	9111.4	4684.8	810.9	483.7	357.7
80°	516.2	544.7	832.3	2483.6	5060.8	5167.5	1736.7	360.8	337.4	255.1
82.5°	162.6	168.7	388.2	1043.7	2100.5	2149.3	503.0	204.3	230.7	168.7
85°	46.7	47.8	172.8	389.2	519.3	529.5	141.3	79.3	132.1	104.7
87.5°	5.1	16.3	65.0	65.0	45.7	44.7	15.2	17.3	37.6	13.2
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°
2010.1	0°	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1	2010.1
2019.2	2.5°	2014.1	2015.2	2002.0	1979.6	1955.2	1934.9	1909.5	1889.2	1874.9	1870.9
2037.5	5°	2028.4	2021.3	1983.7	1915.6	1834.3	1764.2	1685.9	1623.9	1583.3	1566.0
2056.8	7.5°	2049.7	2029.4	1947.1	1812.9	1657.5	1519.2	1379.0	1270.3	1201.2	1166.6
2075.1	10°	2068.0	2027.4	1886.1	1664.6	1426.8	1217.4	1028.4	897.3	824.2	789.6
2096.5	12.5°	2085.3	2026.3	1806.8	1488.8	1166.6	910.5	734.7	669.7	649.4	642.3
2131.0	15°	2117.8	2029.4	1707.2	1287.6	907.5	688.0	624.0	622.9	627.0	625.0
2183.9	17.5°	2162.5	2032.4	1594.4	1074.1	700.2	606.7	603.6	612.8	618.9	615.8
2249.9	20°	2220.4	2044.6	1474.5	862.8	601.6	586.4	593.5	601.6	606.7	601.6
2338.3	22.5°	2301.7	2066.0	1343.4	693.1	570.1	574.2	580.3	589.4	594.5	587.4
2451.1	25°	2401.3	2099.5	1214.4	602.6	554.9	559.9	569.1	579.2	585.3	578.2
2593.4	27.5°	2530.4	2153.4	1095.5	582.3	539.6	542.7	555.9	571.1	579.2	570.1
2795.6	30°	2717.4	2241.8	992.8	591.4	530.5	523.4	541.6	563.0	572.1	564.0
3071.0	32.5°	2965.3	2366.8	929.8	605.7	526.4	501.0	518.3	545.7	561.0	555.9
3430.8	35°	3290.5	2556.8	905.5	621.9	523.4	477.6	489.8	519.3	545.7	550.8
3884.0	37.5°	3684.8	2821.0	912.6	629.0	514.2	458.3	464.4	489.8	524.4	540.6
4394.1	40°	4133.0	3128.9	953.2	621.9	504.0	442.1	443.1	462.4	492.9	517.3
4942.9	42.5°	4595.3	3488.7	1028.4	595.5	494.9	427.8	424.8	438.0	458.3	475.6
5490.6	45°	5035.4	3858.6	1102.6	558.9	483.7	413.6	406.5	411.6	415.6	422.7
6024.2	47.5°	5419.5	4118.7	1081.3	525.4	468.5	397.3	385.1	383.1	370.9	369.9
6500.8	50°	5684.7	4175.6	960.3	491.9	446.1	379.1	359.7	347.5	326.2	316.0
6857.5	52.5°	5769.1	3951.1	784.5	458.3	409.5	354.7	327.2	307.9	281.5	272.3
7062.7	55°	5657.3	3511.0	627.0	417.7	358.7	322.1	291.7	266.2	244.9	233.7
7085.1	57.5°	5383.9	2951.1	495.9	369.9	304.9	285.6	255.1	229.7	211.4	200.2
6837.1	60°	4930.7	2343.4	392.3	313.0	260.2	245.9	214.4	198.2	181.9	168.7
6196.9	62.5°	4242.7	1672.7	307.9	248.0	217.5	201.2	182.9	170.7	151.4	133.1
5045.5	65°	3310.8	1023.3	237.8	181.9	174.8	166.7	155.5	144.3	120.9	102.6
3291.5	67.5°	2088.3	484.7	169.7	137.2	138.2	134.1	129.1	119.9	102.6	86.4
1474.5	70°	919.7	234.7	111.8	104.7	102.6	102.6	106.7	103.7	87.4	72.2
512.2	72.5°	313.0	126.0	83.3	79.3	74.2	73.2	89.4	86.4	70.1	55.9
255.1	75°	163.6	84.3	61.0	56.9	44.7	53.9	71.1	67.1	49.8	36.6
168.7	77.5°	106.7	60.0	41.7	36.6	25.4	35.6	52.8	46.7	29.5	18.3
110.8	80°	67.1	39.6	24.4	17.3	12.2	19.3	28.5	20.3	11.2	4.1
65.0	82.5°	35.6	20.3	9.1	6.1	5.1	6.1	7.1	5.1	2.0	0.0
33.5	85°	14.2	7.1	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0
6.1	87.5°	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2010.1
1878.0
1572.1
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