

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: P847758

Luminaire Tested: **GLAN-SB4A-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847758
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-SB4A-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17378 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

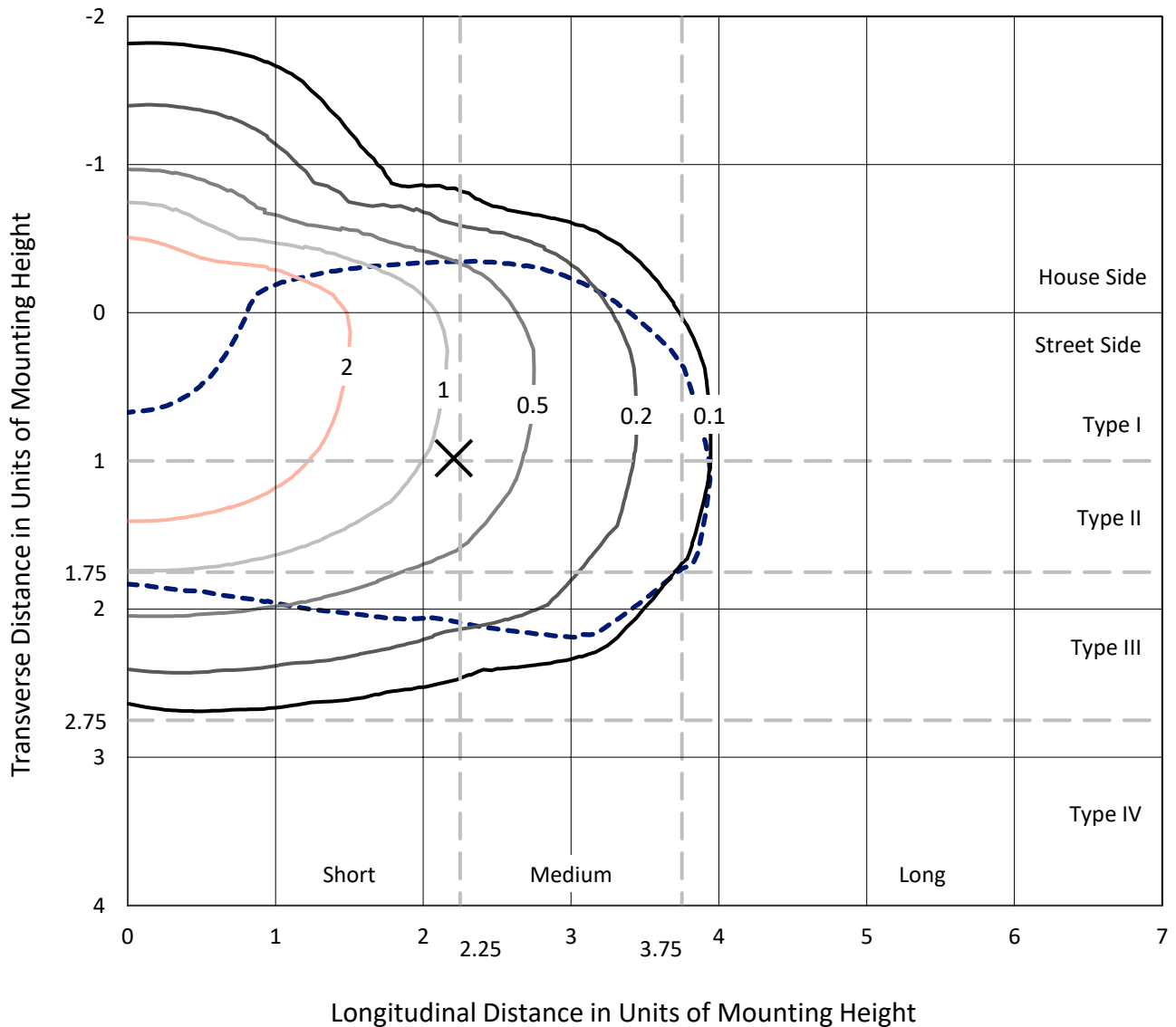
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

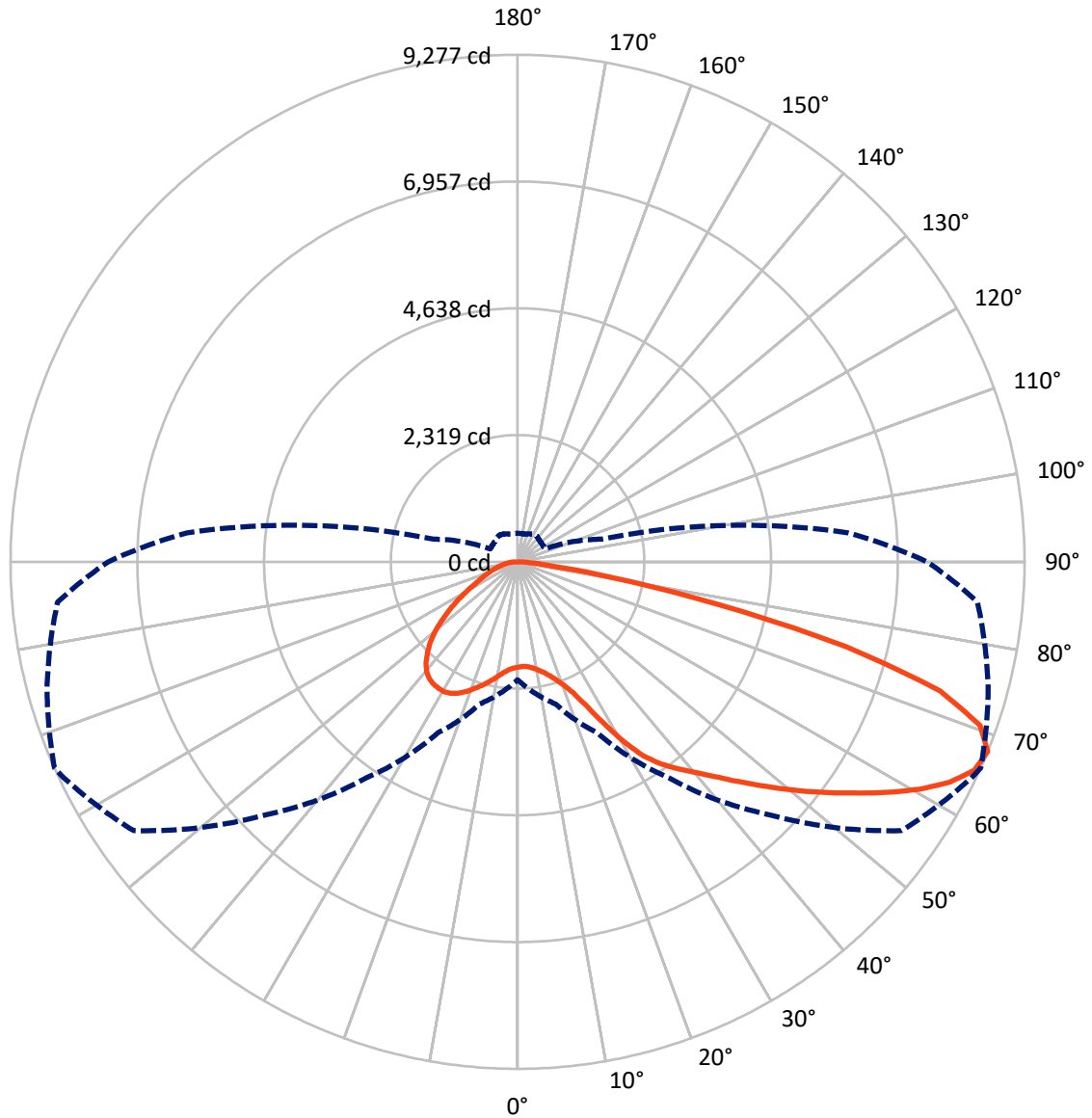
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	4321.0	0.0	4321.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13057.0	0.0	13057.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	17378.0	0.0	17378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	1.1
10°-20°	631.4	3.6
20°-30°	1216.9	7.0
30°-40°	2133.7	12.3
40°-50°	3172.1	18.3
50°-60°	4021.0	23.1
60°-70°	3934.4	22.6
70°-80°	1876.8	10.8
80°-90°	200.6	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°	17378.0	100.0
0°-180°	17378.0	100.0

Coefficient of Utilization



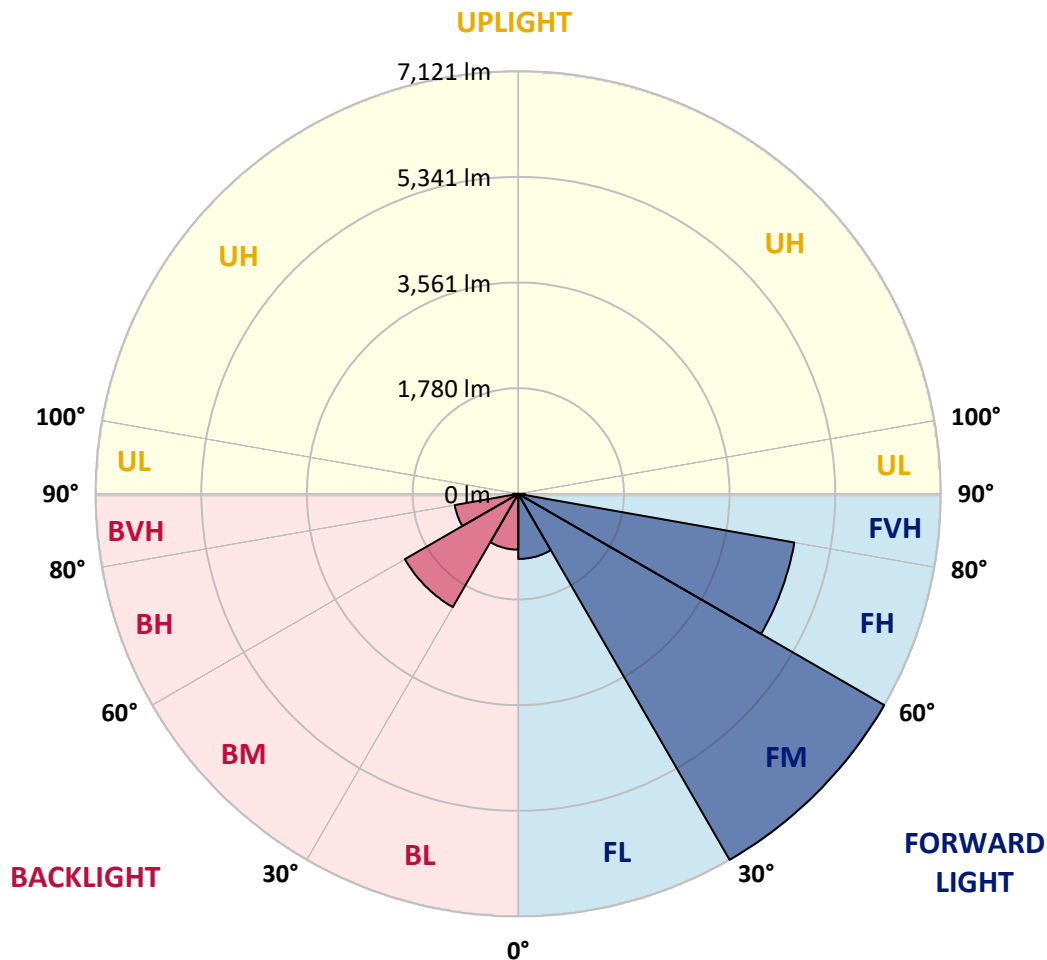
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1098.1	6.3			
FM (30°-60°)	7121.4	41.0			
FH (60°-80°)	4723.8	27.2			G2/5000
FVH (80°-90°)	113.7	0.7			G2/225
BL (0°-30°)	941.3	5.4	B2/1000		
BM (30°-60°)	2205.5	12.7	B2/2500		
BH (60°-80°)	1087.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	86.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4
2.5°	1907.4	1918.3	1915.6	1911.0	1910.1	1911.9	1914.7	1917.4	1916.5	1921.1
5°	1901.9	1912.8	1911.9	1911.9	1915.6	1922.9	1927.4	1932.0	1927.4	1932.9
7.5°	1905.5	1913.8	1917.4	1921.1	1930.2	1943.9	1954.8	1964.9	1959.4	1965.8
10°	1952.1	1958.5	1962.1	1962.1	1968.5	1984.1	1995.0	2013.3	2008.7	2018.8
12.5°	2037.0	2043.4	2043.4	2039.8	2044.3	2054.4	2058.0	2078.1	2069.9	2086.3
15°	2141.1	2153.9	2143.8	2137.5	2139.3	2149.3	2148.4	2163.9	2155.7	2169.4
17.5°	2256.1	2272.6	2256.1	2255.2	2251.6	2262.5	2263.5	2277.1	2262.5	2272.6
20°	2392.2	2415.0	2401.3	2405.9	2397.7	2402.2	2406.8	2426.9	2404.1	2411.4
22.5°	2583.9	2611.3	2596.7	2614.1	2608.6	2604.9	2604.0	2639.6	2604.0	2606.8
25°	2863.3	2896.2	2870.6	2894.4	2894.4	2906.2	2919.9	2965.6	2906.2	2888.9
27.5°	3276.0	3308.9	3258.7	3273.3	3268.7	3297.9	3283.3	3396.5	3332.6	3304.3
30°	3772.7	3831.2	3736.2	3732.6	3728.0	3774.6	3795.6	3870.4	3805.6	3777.3
32.5°	4309.6	4370.8	4257.6	4224.7	4207.3	4235.6	4218.3	4278.6	4233.8	4190.0
35°	4877.5	4937.8	4830.0	4766.1	4696.7	4637.4	4575.3	4590.8	4548.8	4482.2
37.5°	5414.4	5524.9	5410.7	5342.3	5214.4	5098.5	4925.0	4852.9	4813.6	4752.4
40°	5961.3	6024.3	5937.6	5879.1	5740.3	5558.7	5281.1	5128.6	5075.6	5016.3
42.5°	6364.0	6424.2	6377.7	6337.5	6228.8	6017.9	5659.1	5468.3	5391.6	5324.9
45°	6683.5	6728.3	6699.1	6713.7	6667.1	6462.6	6050.8	5832.6	5753.1	5671.9
47.5°	6812.3	6859.7	6906.3	6993.1	7072.5	6921.8	6471.7	6227.0	6143.0	6059.9
50°	6797.7	6846.1	6981.2	7165.6	7412.1	7361.9	6915.4	6647.0	6569.4	6474.4
52.5°	6680.8	6735.6	6909.1	7215.8	7608.5	7691.5	7367.4	7080.7	7007.7	6894.4
55°	6374.0	6406.9	6667.1	7101.7	7655.0	7921.6	7810.2	7542.7	7469.7	7311.7
57.5°	5805.2	5852.7	6231.6	6794.0	7538.1	8077.8	8199.2	8028.5	7958.1	7730.8
60°	5062.9	5138.6	5572.3	6277.2	7240.5	8076.8	8552.5	8506.0	8447.5	8143.5
62.5°	4222.9	4310.5	4727.8	5546.8	6720.1	7847.7	8773.5	8905.9	8875.8	8524.2
65°	3243.2	3303.4	3718.9	4601.8	5910.2	7355.5	8799.1	9178.9	9184.4	8813.7
67.5°	2159.4	2332.8	2693.5	3453.2	4825.5	6551.1	8574.5	9223.6	9276.6	8913.2
70°	1053.7	1281.9	1635.3	2244.3	3453.2	5317.6	7987.4	8856.6	8974.4	8622.9
72.5°	437.4	511.3	704.0	1107.5	1982.2	3588.3	6807.7	7861.4	8079.6	7640.4
75°	294.9	319.6	402.7	567.9	903.0	1769.5	4909.5	5861.8	6213.3	5770.5
77.5°	227.3	242.9	293.1	397.2	536.9	669.3	2627.8	3532.6	3714.3	3438.5
80°	179.0	190.8	219.1	289.4	380.7	357.9	895.7	1600.6	1705.6	1430.8
82.5°	155.2	159.8	157.0	196.3	252.9	209.1	294.0	590.7	651.9	473.0
85°	112.3	125.1	130.6	121.4	134.2	105.9	120.5	209.1	230.1	205.4
87.5°	45.7	67.6	83.1	78.5	49.3	30.1	37.4	61.2	70.3	76.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847758
 CATALOG NUMBER: GLAN-SB4A-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1927.4	0°	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4
1928.4	2.5°	1929.3	1935.7	1940.2	1945.7	1949.4	1954.8	1965.8	1972.2	1973.1	1977.7
1943.0	5°	1946.6	1955.8	1965.8	1980.4	1996.8	2010.5	2031.5	2046.1	2051.6	2056.2
1978.6	7.5°	1984.1	1996.8	2015.1	2040.7	2064.4	2082.7	2108.2	2125.6	2142.9	2149.3
2035.2	10°	2039.8	2058.0	2084.5	2119.2	2144.8	2168.5	2195.0	2209.6	2226.9	2234.2
2102.8	12.5°	2109.1	2128.3	2163.0	2211.4	2235.1	2251.6	2260.7	2257.1	2260.7	2267.1
2184.0	15°	2188.6	2209.6	2248.8	2300.9	2317.3	2302.7	2282.6	2264.4	2261.6	2263.5
2282.6	17.5°	2282.6	2298.1	2343.8	2387.6	2375.8	2315.5	2271.7	2242.5	2227.8	2223.3
2408.6	20°	2414.1	2414.1	2451.5	2478.9	2399.5	2297.2	2228.8	2181.3	2151.1	2138.4
2580.3	22.5°	2573.9	2559.3	2583.0	2563.8	2394.9	2246.1	2151.1	2069.0	2023.3	2005.1
2820.4	25°	2776.6	2759.2	2752.8	2634.2	2362.1	2164.8	2010.5	1911.0	1870.8	1860.8
3166.5	27.5°	3082.5	3038.6	2955.5	2672.5	2301.8	2037.0	1846.2	1754.0	1731.1	1732.1
3611.1	30°	3489.7	3402.0	3198.4	2678.9	2203.2	1856.2	1678.2	1612.4	1601.5	1606.1
3984.6	32.5°	3866.8	3783.7	3446.8	2649.7	2051.6	1679.1	1527.5	1483.7	1467.3	1472.8
4269.4	35°	4162.6	4139.8	3676.9	2608.6	1865.4	1512.9	1392.4	1355.0	1323.0	1315.7
4537.9	37.5°	4442.0	4432.9	3849.4	2551.1	1680.9	1395.1	1283.7	1234.4	1187.9	1162.3
4834.6	40°	4748.8	4739.6	3962.6	2462.5	1517.5	1292.9	1186.1	1121.2	1063.7	1017.1
5170.6	42.5°	5093.9	5040.0	4016.5	2335.6	1378.7	1206.1	1106.6	1019.0	943.2	900.3
5550.4	45°	5471.0	5349.6	4015.6	2174.0	1261.8	1126.7	1021.7	897.5	827.2	787.0
5940.3	47.5°	5870.9	5645.4	3966.3	1995.0	1148.6	1039.1	890.2	795.3	748.7	724.0
6364.0	50°	6283.6	5922.0	3882.3	1789.6	1032.7	939.5	808.0	743.2	707.6	684.8
6784.0	52.5°	6671.7	6173.1	3780.9	1556.8	914.9	842.7	771.5	721.3	683.9	658.3
7191.2	55°	7032.3	6389.5	3637.6	1318.4	819.0	777.9	754.2	712.2	669.3	639.1
7604.8	57.5°	7352.8	6530.1	3390.2	1094.7	750.5	733.2	735.9	696.7	647.4	621.8
8012.0	60°	7619.4	6633.3	3024.0	887.5	694.8	689.4	707.6	667.4	609.9	580.7
8356.2	62.5°	7779.2	6631.5	2574.8	726.8	647.4	649.2	670.2	630.9	572.5	545.1
8536.1	65°	7765.5	6469.0	2081.8	621.8	601.7	603.5	630.9	590.7	541.4	525.0
8445.7	67.5°	7490.7	6072.7	1596.9	553.3	551.5	559.7	591.7	563.4	522.3	520.4
7907.0	70°	6746.5	5250.0	1150.4	498.5	499.4	511.3	553.3	546.0	512.2	515.9
6647.9	72.5°	5409.8	4002.8	772.4	441.0	441.9	461.1	516.8	532.3	502.2	550.6
4716.8	75°	3602.9	2496.3	496.7	379.8	380.7	405.4	484.8	505.8	474.8	548.7
2454.3	77.5°	1731.1	1122.1	359.7	319.6	319.6	342.4	419.1	452.9	404.5	426.4
788.9	80°	598.0	421.8	283.0	257.5	252.0	267.5	353.4	392.6	348.8	321.4
257.5	82.5°	235.6	219.1	227.3	200.0	181.7	191.7	274.8	324.1	256.6	231.9
145.2	85°	135.1	142.4	160.7	132.4	105.0	117.8	201.8	232.8	193.6	170.7
47.5	87.5°	36.5	50.2	74.0	68.5	47.5	50.2	95.9	128.7	111.4	85.8
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°
1927.4
1976.8
2055.3
2150.2
2237.9
2268.9
2269.8
2229.7
2135.6
2002.3
1862.6
1734.8
1621.6
1480.1
1321.2
1163.2
1021.7
903.0
785.2
718.6
676.6
647.4
627.3
605.4
567.9
536.9
524.1
523.2
515.0
557.9
553.3
390.8
301.3
231.0
174.4
88.6
0.0

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