

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: P847516

Luminaire Tested: **GLAN-SB3C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14338 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

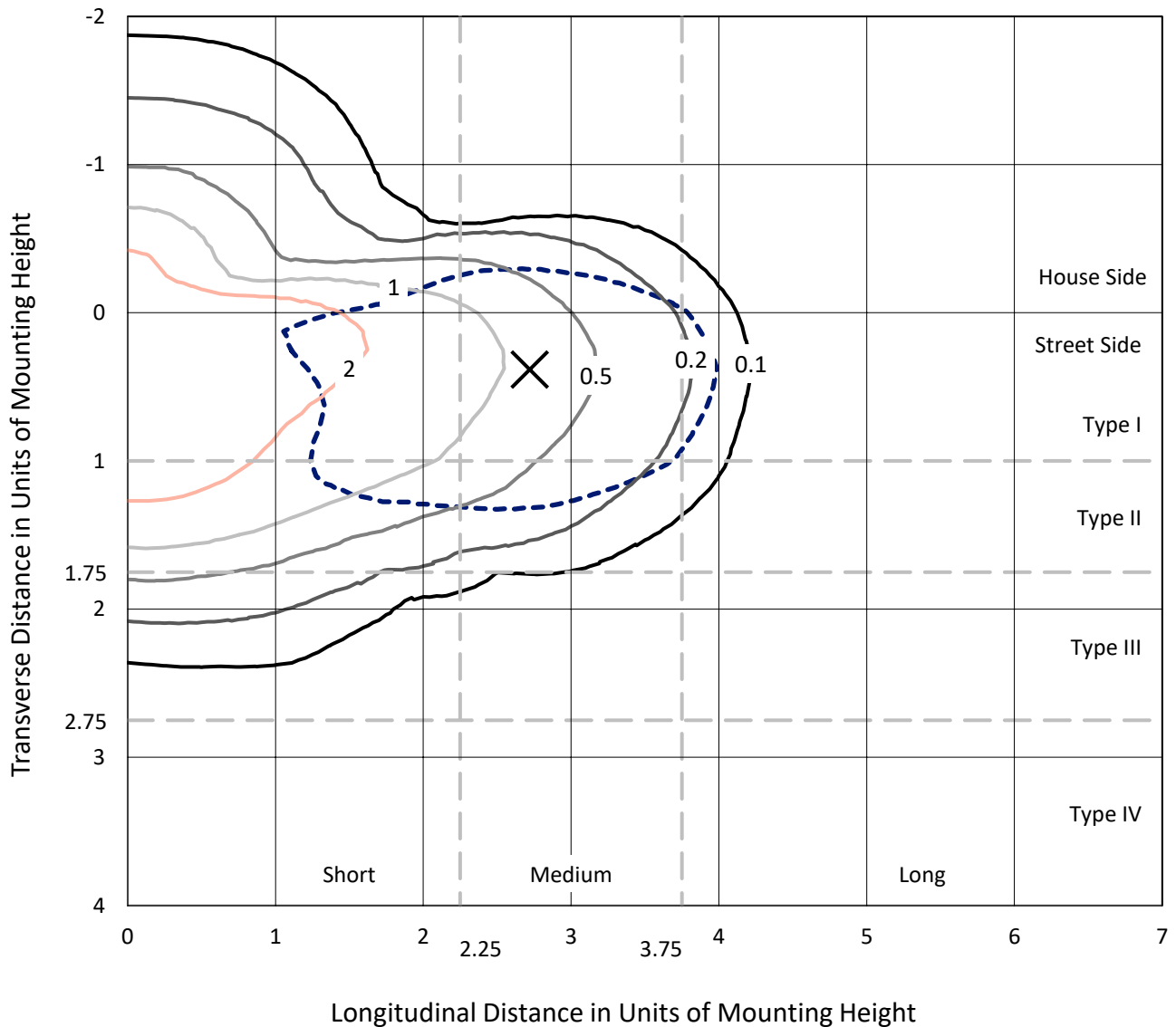
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

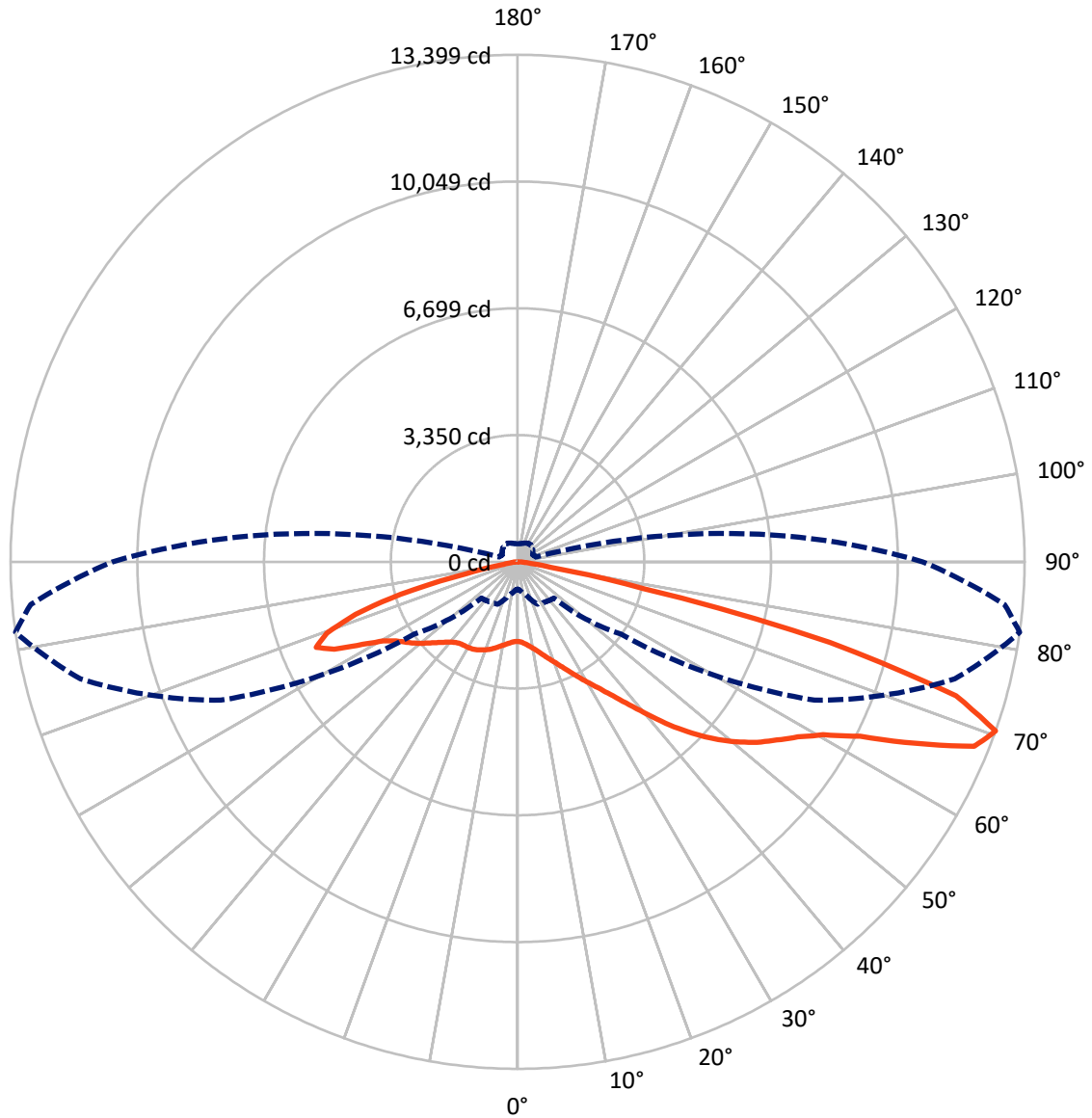
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3534.7	0.0	3534.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10803.3	0.0	10803.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	14338.0	0.0	14338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.5	1.4
10°-20°	570.2	4.0
20°-30°	954.0	6.7
30°-40°	1490.3	10.4
40°-50°	2373.5	16.6
50°-60°	3303.0	23.0
60°-70°	3455.1	24.1
70°-80°	1805.8	12.6
80°-90°	187.5	1.3
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°	14338.0	100.0
0°-180°	14338.0	100.0

Coefficient of Utilization

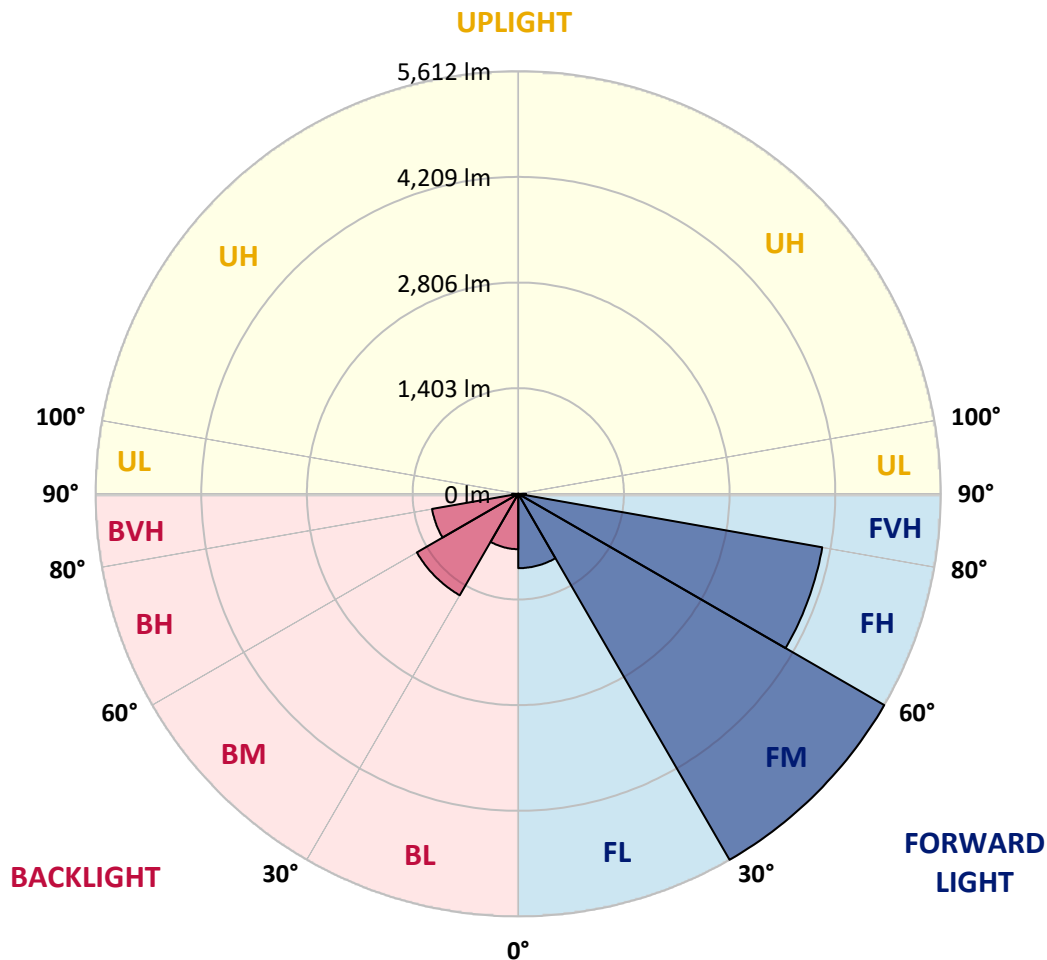


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	987.3	6.9			
FM (30°-60°)	5611.7	39.1			
FH (60°-80°)	4099.3	28.6			G2/5000
FVH (80°-90°)	105.0	0.7			G2/225
BL (0°-30°)	735.3	5.1	B2/1000		
BM (30°-60°)	1555.1	10.8	B2/2500		
BH (60°-80°)	1161.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	82.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1
2.5°	2152.3	2164.5	2160.7	2156.9	2156.9	2151.6	2150.8	2143.2	2137.1	2127.2
5°	2179.7	2192.7	2191.1	2194.2	2204.1	2206.4	2208.6	2204.1	2191.9	2179.7
7.5°	2155.4	2169.8	2174.4	2192.7	2223.1	2250.5	2271.0	2279.4	2268.0	2250.5
10°	2073.2	2089.2	2105.2	2148.5	2202.6	2267.2	2322.0	2354.7	2352.4	2335.7
12.5°	1906.6	1923.3	1957.6	2042.0	2140.9	2255.1	2357.0	2425.5	2449.1	2436.9
15°	1773.5	1787.9	1813.8	1900.5	2029.1	2202.6	2369.9	2503.1	2563.2	2556.3
17.5°	1769.7	1775.7	1791.7	1832.8	1931.7	2120.4	2356.2	2579.2	2694.0	2693.3
20°	1836.6	1838.9	1848.0	1856.4	1912.7	2058.0	2321.2	2642.3	2840.9	2840.9
22.5°	1929.4	1927.9	1937.0	1929.4	1956.8	2052.7	2299.2	2697.8	3004.5	3016.6
25°	2068.7	2061.0	2058.8	2041.3	2046.6	2102.1	2323.5	2761.0	3198.5	3223.6
27.5°	2254.3	2242.1	2233.8	2193.4	2179.7	2204.1	2398.1	2837.1	3414.5	3457.9
30°	2496.2	2474.2	2462.0	2392.0	2342.5	2346.4	2510.7	2938.3	3640.5	3710.5
32.5°	2826.4	2792.2	2759.5	2644.6	2554.1	2524.4	2656.0	3078.3	3885.5	3997.3
35°	3196.2	3168.8	3133.8	2956.5	2817.3	2748.8	2852.3	3273.8	4172.3	4349.6
37.5°	3552.2	3528.7	3545.4	3306.5	3126.9	3027.3	3109.4	3536.3	4526.1	4787.8
40°	3920.5	3902.2	3904.5	3676.3	3467.0	3355.2	3421.4	3865.7	4931.6	5309.0
42.5°	4320.7	4307.0	4261.3	4058.9	3823.9	3719.6	3780.5	4246.1	5366.8	5902.4
45°	4768.8	4760.4	4717.8	4485.8	4216.4	4099.3	4181.4	4666.1	5804.3	6460.8
47.5°	5156.0	5162.9	5157.6	4962.0	4682.8	4510.9	4609.0	5104.3	6211.3	6985.8
50°	5342.4	5378.2	5430.7	5369.8	5196.4	5021.4	5040.4	5527.3	6599.3	7478.0
52.5°	5245.1	5312.8	5455.8	5553.2	5620.1	5583.6	5532.6	5947.3	6964.5	7922.4
55°	4882.1	4977.2	5214.6	5449.7	5791.3	6056.8	6123.8	6412.9	7320.6	8313.4
57.5°	4221.0	4375.4	4588.5	5064.0	5639.2	6285.8	6813.1	7058.8	7697.9	8731.1
60°	3087.4	3294.3	3559.1	4266.6	5106.6	6163.4	7399.7	8050.9	8234.3	9272.0
62.5°	1975.8	2103.7	2347.1	3013.6	3979.1	5535.7	7579.2	9291.1	9143.5	10159.2
65°	1352.7	1434.9	1657.8	2032.1	2572.3	4120.6	7098.4	10220.8	10587.5	11565.1
67.5°	983.0	1045.4	1235.6	1563.5	1676.1	2438.4	5508.3	10178.2	11991.2	13013.7
70°	716.7	760.8	920.6	1235.6	1289.6	1356.5	3336.9	8652.0	11960.8	13398.7
72.5°	531.0	561.5	668.8	958.6	1043.8	916.0	1651.7	6288.1	10277.8	12119.0
75°	384.2	407.0	486.2	733.4	835.4	697.7	824.0	3674.7	7169.2	8524.9
77.5°	293.7	311.2	362.9	537.1	668.8	523.4	511.3	1690.5	3399.3	3416.1
80°	235.9	247.3	275.4	378.1	512.8	391.8	333.2	682.5	1074.3	909.2
82.5°	173.5	192.5	232.8	265.5	366.7	270.1	203.1	344.6	408.6	351.5
85°	98.9	111.8	140.8	190.2	234.3	165.1	116.4	152.9	190.2	156.0
87.5°	35.0	45.6	49.5	74.6	101.9	68.5	44.9	44.1	62.4	46.4
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°
2102.1	0°	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1	2102.1
2125.0	2.5°	2117.3	2113.5	2098.3	2077.8	2056.5	2035.9	2029.1	2014.6	2004.7
2174.4	5°	2160.0	2147.8	2112.0	2066.4	2018.4	1966.7	1930.2	1896.7	1872.4
2242.1	7.5°	2220.8	2199.5	2137.9	2058.0	1972.8	1886.8	1822.9	1774.2	1741.5
2321.2	10°	2291.6	2258.9	2164.5	2045.1	1913.4	1790.2	1714.9	1673.0	1652.5
2411.8	12.5°	2373.0	2326.6	2191.9	2015.4	1822.9	1682.2	1630.4	1618.3	1619.0
2525.9	15°	2473.4	2408.7	2214.0	1950.7	1705.0	1599.2	1590.1	1609.9	1630.4
2655.2	17.5°	2586.8	2495.5	2217.8	1844.2	1589.3	1546.0	1574.9	1617.5	1648.7
2799.8	20°	2708.5	2583.7	2190.4	1693.6	1494.2	1502.6	1554.3	1609.1	1643.4
2964.9	22.5°	2847.7	2678.1	2125.0	1535.3	1416.6	1455.4	1516.3	1569.6	1605.3
3158.9	25°	3006.7	2783.8	2022.2	1402.2	1349.7	1402.2	1463.0	1507.2	1536.1
3375.7	27.5°	3183.2	2894.1	1885.3	1296.4	1291.1	1347.4	1397.6	1431.9	1447.1
3606.3	30°	3360.5	2994.6	1719.4	1216.5	1240.1	1293.4	1329.1	1344.4	1348.9
3863.4	32.5°	3552.2	3081.3	1545.2	1150.4	1191.4	1240.9	1262.2	1269.0	1247.7
4175.3	35°	3784.3	3174.1	1374.8	1097.9	1143.5	1186.1	1193.0	1186.9	1161.8
4566.4	37.5°	4071.1	3289.8	1238.6	1060.6	1098.6	1126.8	1118.4	1116.9	1119.2
5036.6	40°	4422.6	3440.4	1138.9	1031.7	1062.1	1068.2	1044.6	1057.5	1068.9
5552.4	42.5°	4812.9	3622.2	1075.8	1011.9	1031.7	1017.2	980.7	995.1	993.6
6070.5	45°	5210.8	3820.0	1053.7	997.4	1003.5	974.6	934.3	938.1	906.1
6567.3	47.5°	5606.4	4032.3	1067.4	985.3	968.5	935.8	904.6	887.9	840.7
7043.6	50°	5994.5	4255.2	1117.6	960.9	920.6	901.6	878.7	849.1	798.9
7494.0	52.5°	6354.3	4479.7	1173.9	920.6	860.5	871.9	857.4	823.2	773.7
7920.1	55°	6695.2	4704.1	1196.0	865.0	804.2	846.0	837.7	774.5	715.2
8365.9	57.5°	7066.4	4974.2	1171.7	794.3	758.5	816.4	784.4	714.4	680.2
8946.4	60°	7580.8	5398.0	1119.2	706.8	715.2	772.2	717.4	688.5	651.3
9816.8	62.5°	8435.1	6188.5	1034.7	620.1	664.2	706.8	685.5	656.6	618.5
11304.9	65°	9698.1	7287.1	875.7	552.4	607.1	642.9	651.3	622.3	582.8
12609.0	67.5°	10763.2	7976.4	662.7	496.1	548.5	591.2	614.7	586.6	544.7
12914.1	70°	10704.7	7475.8	505.9	440.5	496.8	540.2	570.6	548.5	503.7
11730.2	72.5°	9507.9	6253.9	409.3	384.2	444.3	486.9	523.4	506.7	461.1
8593.4	75°	6985.0	4439.4	327.2	327.2	378.9	431.4	471.7	461.1	419.2
3607.8	77.5°	2944.4	1862.5	256.4	271.6	315.0	370.5	420.7	424.5	388.0
954.1	80°	782.9	513.5	195.5	213.8	247.3	305.8	366.0	364.4	324.9
354.5	82.5°	298.2	202.4	139.2	150.6	178.8	234.3	289.9	299.0	259.4
139.2	85°	114.9	86.7	86.0	90.5	104.2	155.2	219.1	226.7	195.5
38.8	87.5°	29.7	25.9	32.0	30.4	47.9	82.9	125.5	130.1	119.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
2102.1
2005.5
1858.7
1724.8
1644.1
1621.3
1639.6
1665.4
1665.4
1627.4
1556.6
1463.8
1356.5
1237.8
1133.6
1086.4
1017.2
922.9
845.3
793.5
755.5
733.4
678.6
652.8
621.6
591.2
555.4
517.4
479.3
435.2
395.6
372.8
282.3
224.4
171.2
98.9
0.0

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