

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: P846715

Luminaire Tested: **GLAN-SB2C-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8552 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

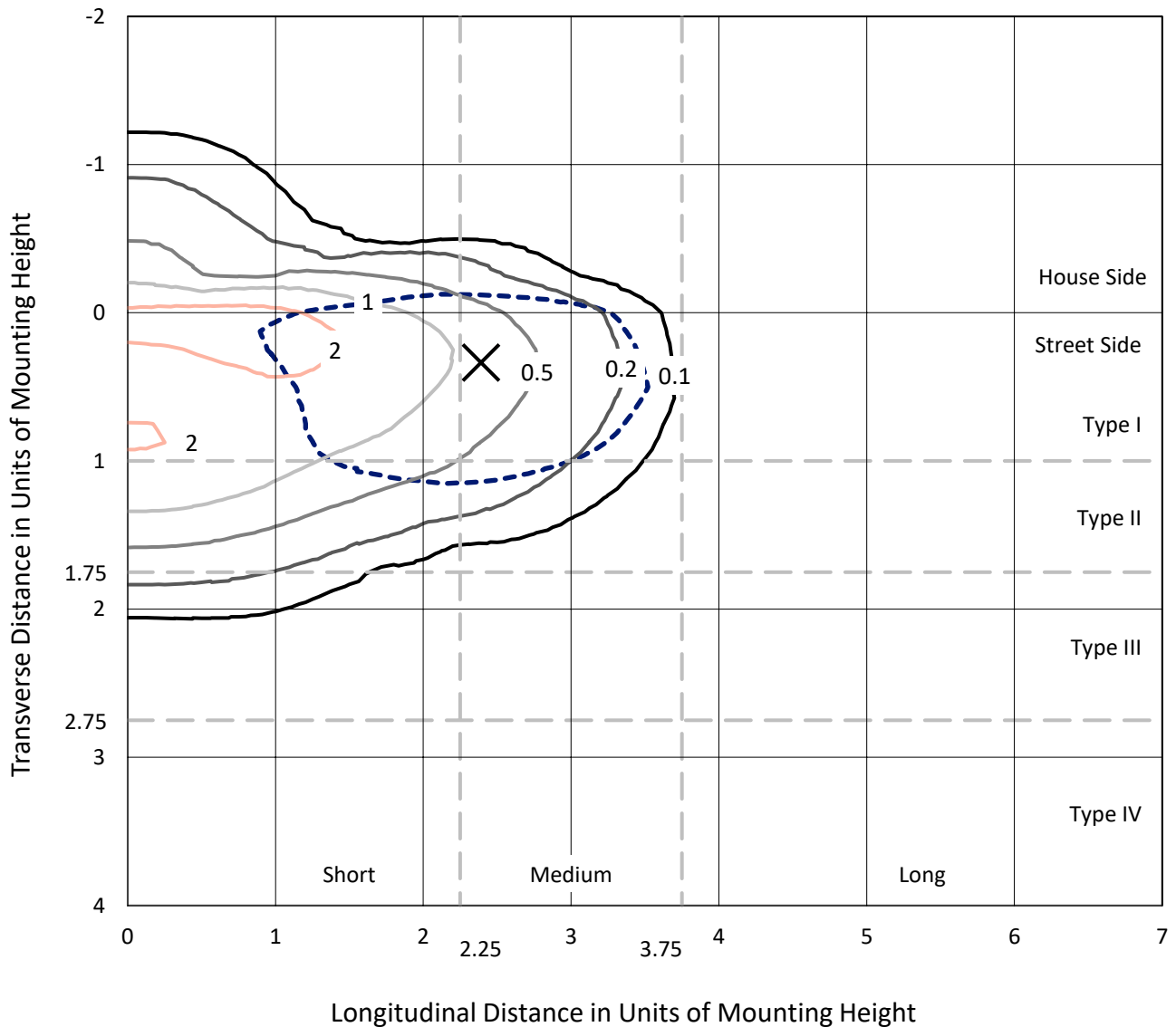
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

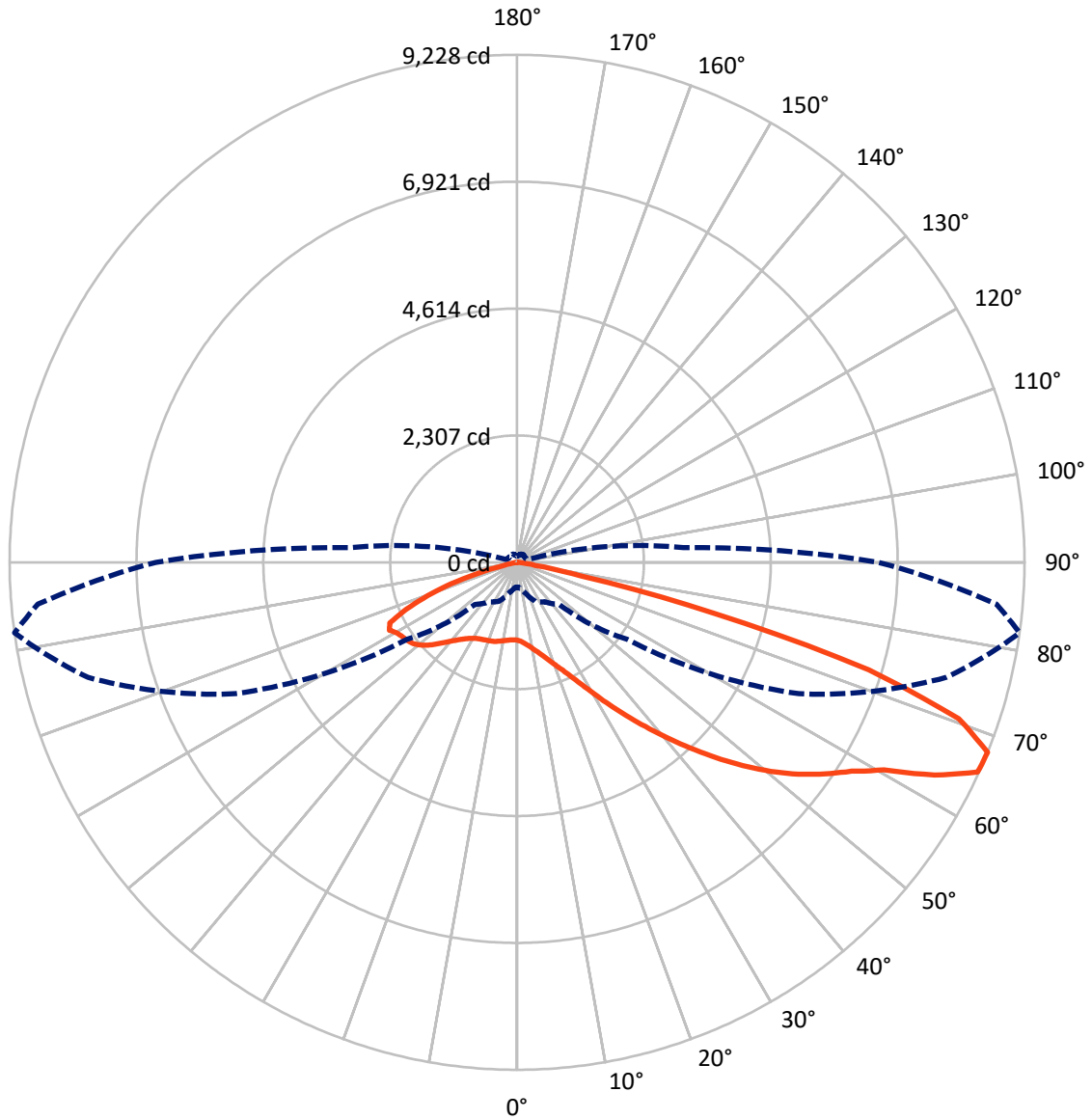
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1549.1	0.0	1549.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7002.9	0.0	7002.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	8552.0	0.0	8552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	1.5
10°-20°	328.0	3.8
20°-30°	525.4	6.1
30°-40°	929.0	10.9
40°-50°	1627.7	19.0
50°-60°	2170.9	25.4
60°-70°	2021.0	23.6
70°-80°	775.6	9.1
80°-90°	48.2	0.6
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°	8552.0	100.0
0°-180°	8552.0	100.0

Coefficient of Utilization

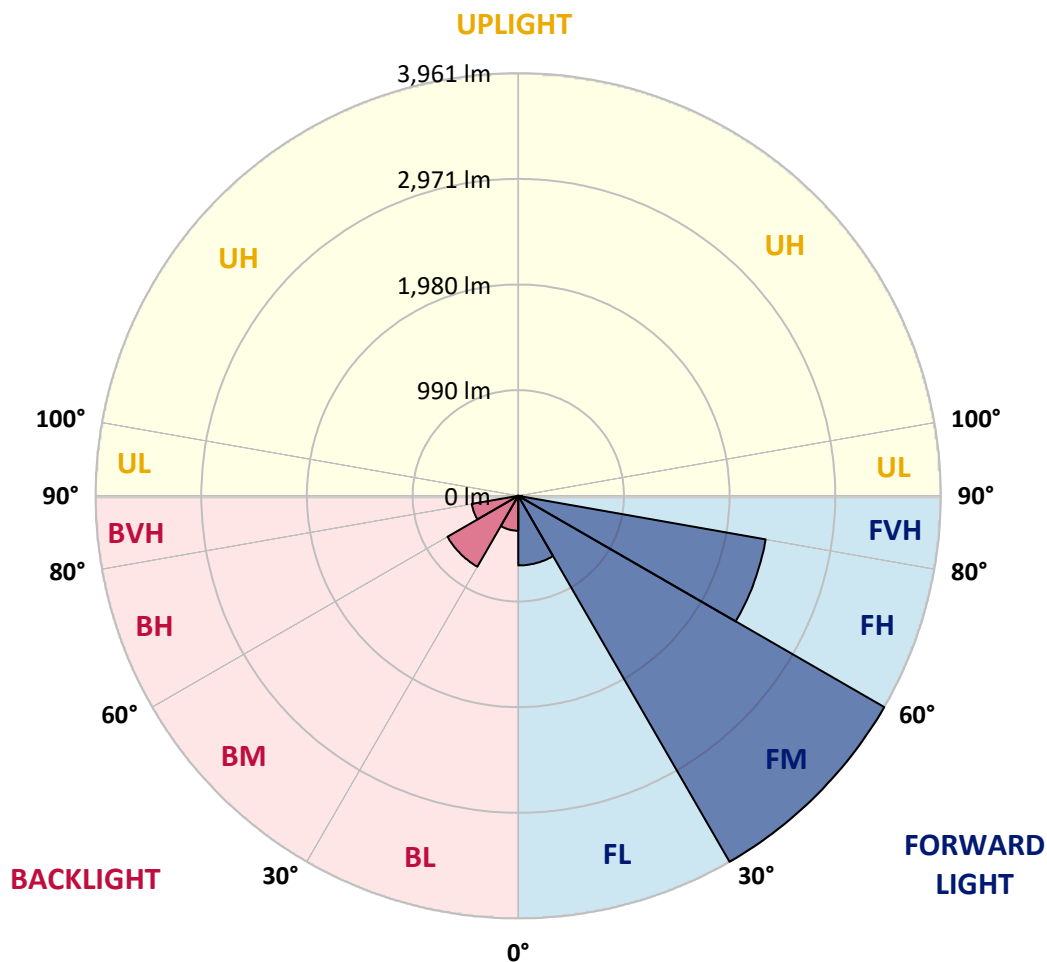


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.4	7.6			
FM (30°-60°)	3960.9	46.3			
FH (60°-80°)	2354.5	27.5			G2/5000
FVH (80°-90°)	35.0	0.4			G1/100
BL (0°-30°)	327.2	3.8	B1/500		
BM (30°-60°)	766.7	9.0	B1/1000		
BH (60°-80°)	442.1	5.2	B1/500		G1/500
BVH (80°-90°)	13.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8
2.5°	1497.4	1506.1	1501.1	1498.7	1494.4	1488.2	1483.3	1467.9	1451.9	1441.4
5°	1527.6	1536.2	1535.6	1538.1	1541.2	1543.0	1541.8	1524.5	1501.7	1483.9
7.5°	1501.7	1511.6	1519.6	1531.9	1553.5	1576.2	1587.3	1583.6	1560.2	1535.6
10°	1428.5	1438.9	1458.0	1487.0	1532.5	1581.8	1623.0	1642.1	1627.4	1600.3
12.5°	1294.2	1304.7	1342.3	1405.1	1481.4	1567.0	1645.8	1696.9	1700.6	1673.5
15°	1143.4	1153.9	1193.9	1272.7	1389.1	1526.4	1658.1	1754.8	1787.4	1764.0
17.5°	1049.8	1059.0	1089.2	1152.6	1273.9	1445.1	1653.8	1816.4	1890.9	1872.4
20°	1021.5	1029.5	1043.6	1088.0	1189.0	1360.7	1625.5	1874.3	2002.3	1991.9
22.5°	1051.7	1059.0	1063.4	1083.1	1146.5	1305.3	1589.8	1933.4	2131.6	2132.9
25°	1121.2	1128.6	1123.7	1136.0	1163.7	1288.1	1576.2	2002.9	2294.2	2307.7
27.5°	1235.8	1236.4	1224.7	1224.1	1228.4	1314.0	1590.4	2077.4	2499.2	2524.5
30°	1465.4	1456.2	1411.2	1362.6	1340.4	1391.5	1629.8	2165.5	2741.2	2786.1
32.5°	1819.5	1805.9	1723.4	1607.0	1490.0	1516.5	1700.6	2265.9	3004.7	3086.0
35°	2203.7	2200.0	2113.8	1940.8	1736.3	1694.5	1815.8	2397.6	3292.3	3421.6
37.5°	2560.8	2558.9	2509.7	2305.9	2057.1	1942.6	2000.5	2570.0	3600.1	3787.3
40°	2887.1	2892.7	2843.4	2661.2	2410.6	2260.9	2251.7	2783.1	3942.5	4185.7
42.5°	3169.1	3175.3	3125.4	2990.6	2759.7	2613.1	2560.2	3044.1	4276.8	4613.6
45°	3360.6	3398.8	3391.4	3283.6	3118.0	2965.9	2930.8	3371.7	4657.9	5067.4
47.5°	3414.8	3449.9	3505.3	3520.1	3419.1	3269.5	3311.4	3766.4	5043.4	5521.8
50°	3281.2	3313.8	3429.0	3582.3	3652.5	3606.3	3681.4	4189.4	5438.1	5975.0
52.5°	3017.7	3050.9	3196.2	3438.8	3725.1	3870.4	4052.7	4606.2	5820.4	6404.1
55°	2636.5	2671.6	2858.2	3132.8	3586.6	3979.4	4362.4	5022.4	6170.8	6790.2
57.5°	2118.1	2143.9	2337.9	2722.1	3238.1	3871.0	4590.8	5476.8	6500.8	7169.5
60°	1380.4	1403.2	1628.6	2057.1	2660.5	3509.0	4636.4	5983.6	6939.2	7662.7
62.5°	918.0	933.4	1067.0	1381.7	1873.6	2813.9	4369.8	6388.1	7582.0	8521.0
65°	629.9	645.3	778.9	998.1	1210.5	1861.3	3603.2	6334.6	8164.5	9202.6
67.5°	449.5	462.4	575.7	782.6	876.2	1081.2	2442.6	5649.9	8080.7	9228.4
70°	322.0	329.4	423.0	609.6	696.4	649.6	1358.3	4321.1	7075.3	8521.6
72.5°	225.4	227.8	293.7	464.3	560.9	474.1	646.5	2881.0	5351.2	6688.6
75°	152.7	155.8	197.6	340.5	450.1	362.0	342.3	1544.8	3141.4	3702.3
77.5°	93.6	94.8	127.5	232.7	336.8	275.8	220.4	654.5	1215.4	1193.3
80°	53.0	53.0	81.3	144.7	229.7	177.9	154.5	278.3	384.8	338.0
82.5°	29.6	30.2	59.1	89.9	152.1	105.3	85.0	128.7	166.2	147.2
85°	12.3	13.5	36.3	42.5	72.7	52.3	34.5	54.2	61.6	54.8
87.5°	1.2	1.8	11.1	8.0	8.6	10.5	4.9	10.5	8.6	8.6
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°
1416.8	0°	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8	1416.8
1437.7	2.5°	1426.0	1416.8	1393.4	1366.3	1330.6	1313.3	1289.9	1273.9	1260.4	1261.6
1473.4	5°	1453.7	1430.3	1378.0	1312.7	1231.4	1173.6	1112.0	1069.5	1035.0	1027.6
1522.7	7.5°	1491.9	1455.0	1363.2	1245.6	1108.3	1004.2	911.3	851.5	809.1	795.5
1582.4	10°	1541.2	1487.6	1344.1	1161.3	963.6	831.2	731.5	684.7	655.7	645.9
1652.6	12.5°	1598.4	1525.1	1318.9	1058.4	814.6	687.1	623.7	600.3	591.1	588.0
1738.8	15°	1670.5	1571.9	1280.7	936.5	688.4	599.1	572.0	568.9	570.2	568.9
1842.2	17.5°	1756.0	1623.0	1218.5	810.9	603.4	554.2	544.3	546.8	549.8	549.2
1958.0	20°	1849.6	1673.5	1139.1	699.5	545.5	522.1	516.6	519.1	521.5	520.3
2091.6	22.5°	1956.1	1727.7	1051.0	612.6	506.7	492.6	486.4	487.0	487.0	484.6
2260.9	25°	2083.6	1787.4	958.7	551.1	477.2	466.1	458.7	456.3	452.6	445.2
2466.6	27.5°	2235.7	1850.9	870.0	508.0	453.8	443.3	434.7	428.5	419.3	407.0
2713.5	30°	2406.9	1927.8	794.9	480.9	435.3	424.8	415.0	405.8	392.2	376.8
2997.3	32.5°	2608.2	2010.3	740.1	463.0	418.7	407.6	395.9	384.8	370.0	354.7
3316.3	35°	2848.3	2110.1	708.1	450.7	405.8	391.0	378.1	365.7	354.7	341.1
3662.9	37.5°	3108.8	2216.0	698.2	444.6	397.1	374.4	359.6	351.0	349.7	341.7
4037.9	40°	3393.9	2341.6	705.6	440.9	387.9	358.4	342.3	340.5	343.6	329.4
4438.7	42.5°	3695.6	2490.6	717.9	436.5	375.0	342.3	326.9	326.9	324.5	304.8
4862.4	45°	4021.9	2662.4	730.2	426.1	359.6	326.3	314.6	310.3	299.9	280.8
5288.4	47.5°	4350.7	2837.2	739.5	407.0	341.1	312.8	302.3	292.5	277.1	259.8
5706.5	50°	4662.9	2994.3	729.6	378.7	320.2	299.9	288.8	275.2	258.6	246.9
6102.4	52.5°	4941.8	3130.3	687.8	345.4	298.0	286.3	276.5	262.3	248.8	236.4
6459.5	55°	5184.4	3240.5	613.9	314.0	278.3	274.6	264.8	246.9	228.4	218.0
6813.6	57.5°	5417.1	3324.3	521.5	288.2	260.5	261.7	246.9	230.9	213.7	202.6
7290.8	60°	5726.8	3436.3	427.9	264.1	241.4	245.1	229.0	217.3	195.8	181.6
8109.1	62.5°	6221.9	3610.6	339.9	234.6	219.2	220.4	213.7	199.5	173.6	157.0
8715.5	65°	6614.7	3546.6	267.8	202.6	194.0	195.8	195.8	180.4	152.7	133.6
8748.2	67.5°	6570.4	3036.7	213.7	171.2	169.9	171.2	175.5	162.6	135.5	120.1
8082.0	70°	6052.6	2415.5	171.2	142.2	147.8	144.7	157.0	148.4	121.9	106.5
6265.6	72.5°	4938.7	1740.0	130.5	117.6	113.3	118.2	141.6	133.6	101.6	84.4
3318.7	75°	2885.9	928.5	97.3	93.0	81.9	98.5	125.6	113.9	77.6	62.2
1017.2	77.5°	939.6	323.9	71.4	68.3	61.0	79.4	107.1	96.1	63.4	49.3
298.0	80°	251.8	97.9	48.6	44.9	39.4	59.1	85.0	76.3	45.6	32.0
128.1	82.5°	101.0	41.3	28.3	25.2	21.6	40.6	67.1	61.6	33.9	20.3
40.0	85°	32.6	13.5	10.5	8.0	9.9	25.2	40.0	41.9	24.0	10.5
6.2	87.5°	4.3	1.8	1.8	2.5	1.8	4.3	12.3	11.7	6.8	1.2
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

180°
1416.8
1249.3
1011.0
782.0
638.5
586.2
568.3
548.0
519.7
483.3
443.9
405.8
375.6
355.3
339.9
341.1
330.0
304.8
280.2
259.2
245.1
235.2
216.7
201.3
179.8
155.8
131.8
117.6
104.7
82.5
60.3
47.4
31.4
20.3
8.0
0.0
0.0

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