

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: P846545

Luminaire Tested: **GLAN-SB2B-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846545
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-SB2B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA 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: 6430 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

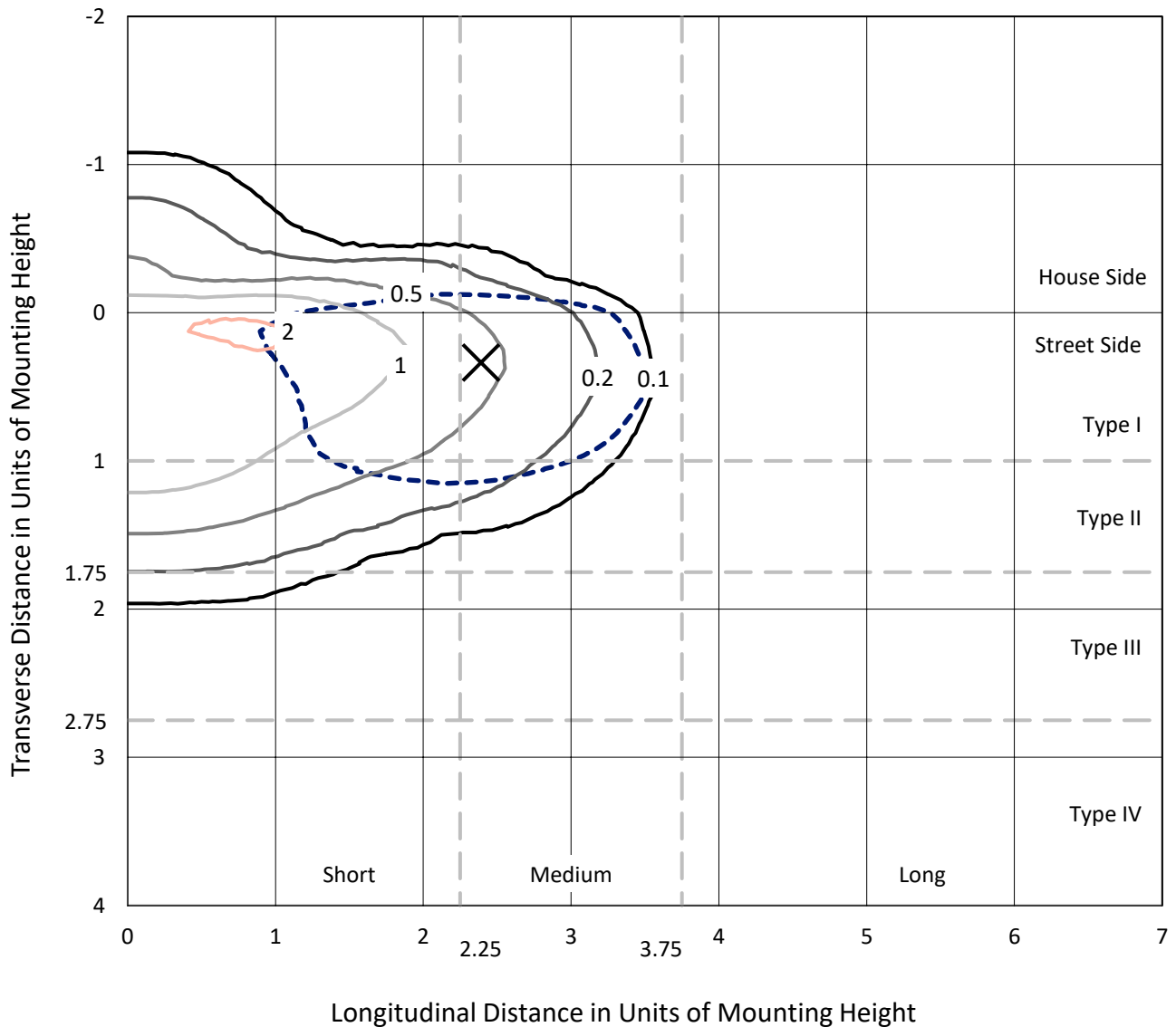
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

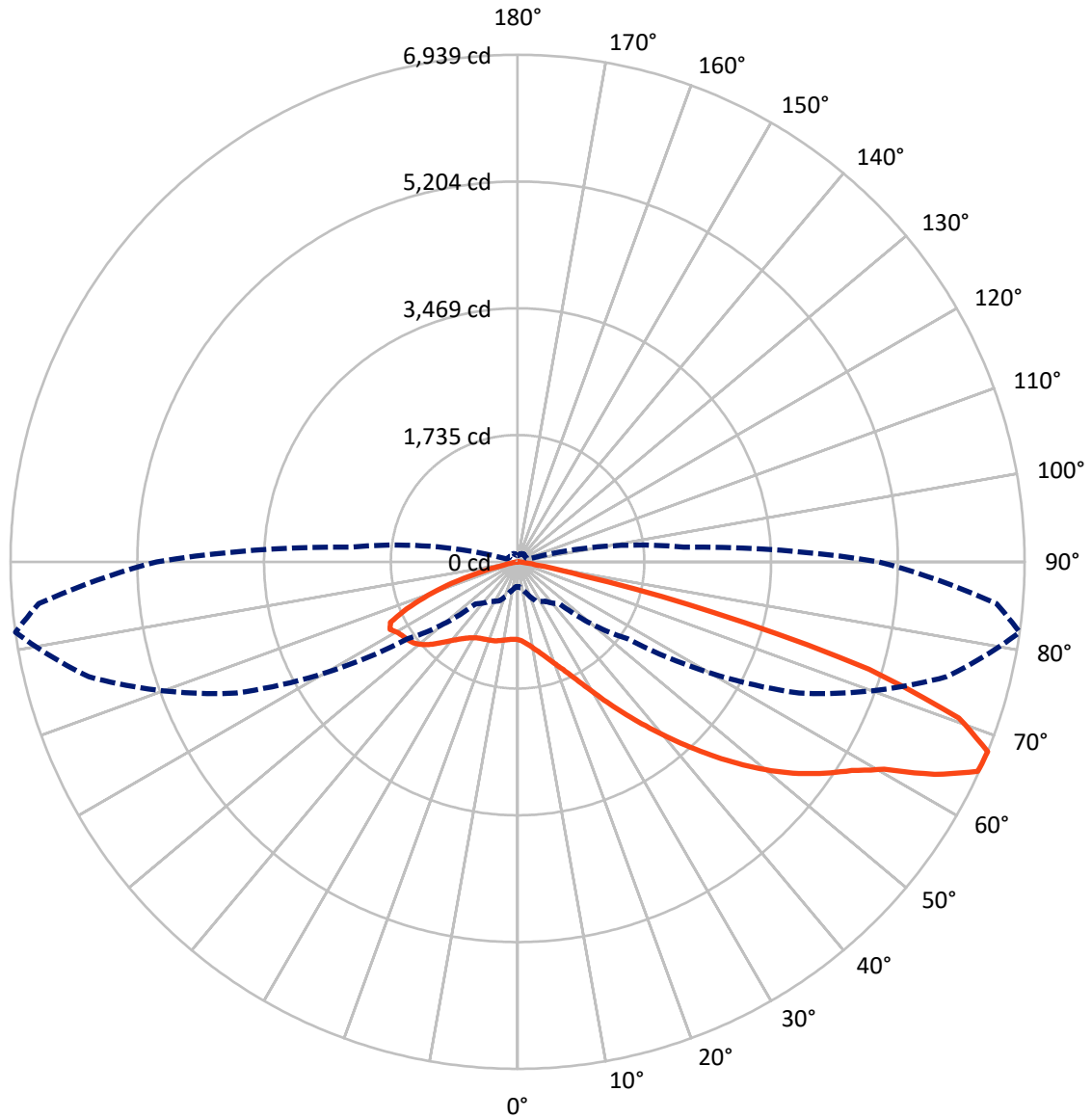
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	1164.7	0.0	1164.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5265.3	0.0	5265.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	6430.0	0.0	6430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.5
10°-20°	246.6	3.8
20°-30°	395.0	6.1
30°-40°	698.5	10.9
40°-50°	1223.8	19.0
50°-60°	1632.2	25.4
60°-70°	1519.5	23.6
70°-80°	583.2	9.1
80°-90°	36.2	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°	6430.0	100.0
0°-180°	6430.0	100.0

Coefficient of Utilization

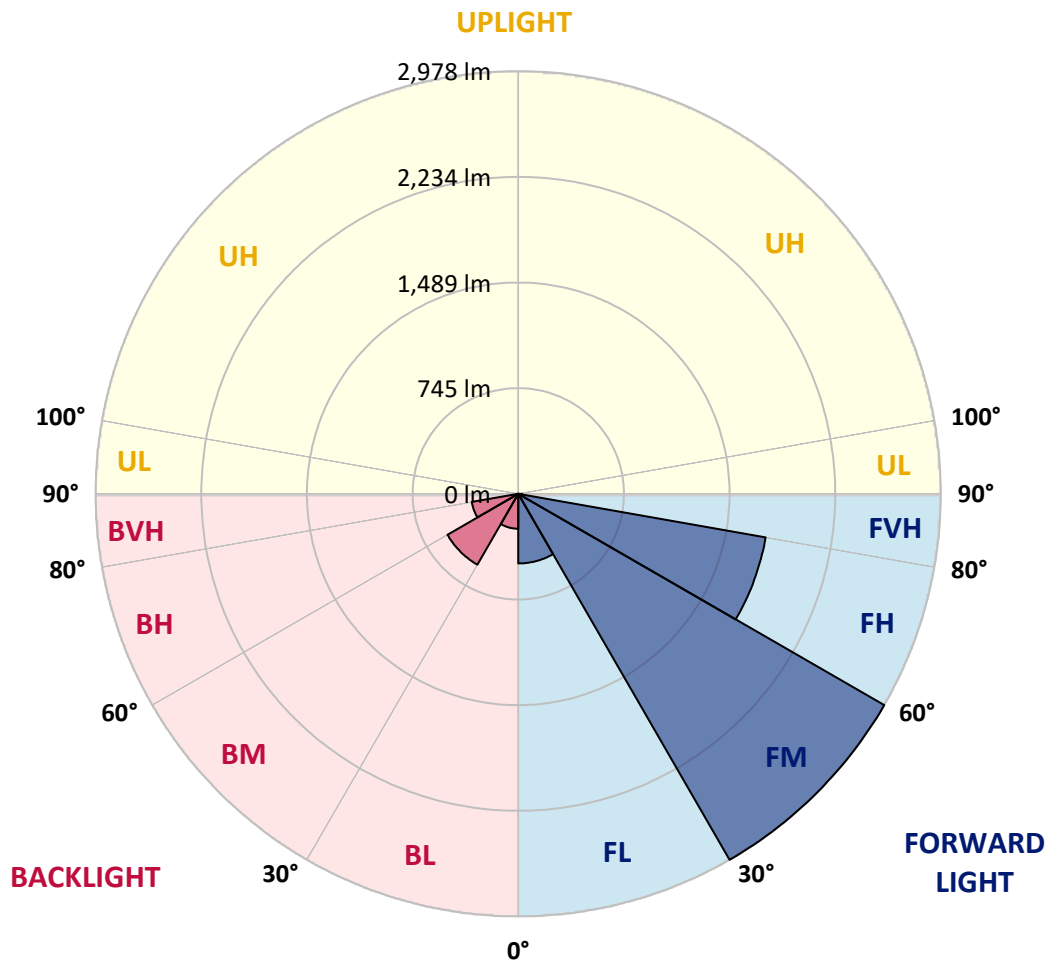


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.5	7.6			
FM (30°-60°)	2978.1	46.3			
FH (60°-80°)	1770.3	27.5			G1/1800
FVH (80°-90°)	26.3	0.4			G1/100
BL (0°-30°)	246.0	3.8	B1/500		
BM (30°-60°)	576.4	9.0	B1/1000		
BH (60°-80°)	332.4	5.2	B1/500		G1/500
BVH (80°-90°)	9.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2
2.5°	1125.9	1132.4	1128.7	1126.8	1123.6	1118.9	1115.2	1103.7	1091.6	1083.8
5°	1148.6	1155.0	1154.6	1156.4	1158.7	1160.1	1159.2	1146.2	1129.1	1115.7
7.5°	1129.1	1136.5	1142.5	1151.8	1168.0	1185.1	1193.5	1190.7	1173.1	1154.6
10°	1074.0	1081.9	1096.3	1118.0	1152.3	1189.3	1220.3	1234.7	1223.6	1203.2
12.5°	973.1	981.0	1009.2	1056.4	1113.8	1178.2	1237.4	1275.9	1278.7	1258.3
15°	859.7	867.6	897.6	956.9	1044.4	1147.6	1246.7	1319.4	1343.9	1326.3
17.5°	789.3	796.3	818.9	866.6	957.8	1086.5	1243.5	1365.7	1421.7	1407.8
20°	768.0	774.0	784.7	818.0	893.9	1023.1	1222.2	1409.2	1505.5	1497.6
22.5°	790.7	796.3	799.5	814.3	862.0	981.4	1195.3	1453.6	1602.7	1603.6
25°	843.0	848.6	844.9	854.1	875.0	968.5	1185.1	1506.0	1724.9	1735.1
27.5°	929.1	929.6	920.8	920.3	923.6	987.9	1195.8	1562.0	1879.1	1898.1
30°	1101.8	1094.9	1061.1	1024.5	1007.8	1046.3	1225.4	1628.2	2061.0	2094.8
32.5°	1368.0	1357.8	1295.8	1208.3	1120.3	1140.2	1278.7	1703.6	2259.2	2320.3
35°	1656.9	1654.1	1589.3	1459.2	1305.5	1274.0	1365.2	1802.7	2475.4	2572.6
37.5°	1925.4	1924.0	1887.0	1733.7	1546.7	1460.6	1504.1	1932.3	2706.8	2847.6
40°	2170.7	2174.9	2137.9	2000.8	1812.4	1699.9	1693.0	2092.5	2964.2	3147.1
42.5°	2382.8	2387.4	2349.9	2248.5	2074.9	1964.7	1924.9	2288.8	3215.6	3468.8
45°	2526.7	2555.4	2549.9	2468.9	2344.3	2230.0	2203.6	2535.1	3502.2	3810.0
47.5°	2567.5	2593.9	2635.5	2646.6	2570.7	2458.2	2489.7	2831.8	3792.0	4151.7
50°	2467.0	2491.6	2578.1	2693.4	2746.2	2711.5	2767.9	3149.9	4088.7	4492.4
52.5°	2268.9	2293.9	2403.1	2585.5	2800.8	2910.1	3047.1	3463.3	4376.2	4815.1
55°	1982.3	2008.7	2149.0	2355.5	2696.6	2992.0	3280.0	3776.2	4639.6	5105.3
57.5°	1592.5	1612.0	1757.8	2046.7	2434.6	2910.5	3451.7	4117.9	4887.8	5390.5
60°	1037.9	1055.0	1224.5	1546.7	2000.4	2638.3	3486.0	4498.9	5217.4	5761.3
62.5°	690.2	701.8	802.3	1038.8	1408.7	2115.7	3285.5	4803.0	5700.7	6406.7
65°	473.6	485.2	585.6	750.4	910.1	1399.5	2709.1	4762.8	6138.6	6919.2
67.5°	337.9	347.7	432.9	588.4	658.8	812.9	1836.5	4248.0	6075.7	6938.6
70°	242.1	247.7	318.0	458.3	523.6	488.4	1021.3	3248.9	5319.7	6407.1
72.5°	169.4	171.3	220.8	349.1	421.7	356.5	486.1	2166.1	4023.4	5029.0
75°	114.8	117.1	148.6	256.0	338.4	272.2	257.4	1161.5	2361.9	2783.7
77.5°	70.4	71.3	95.8	175.0	253.2	207.4	165.7	492.1	913.9	897.2
80°	39.8	39.8	61.1	108.8	172.7	133.8	116.2	209.3	289.3	254.2
82.5°	22.2	22.7	44.4	67.6	114.3	79.2	63.9	96.8	125.0	110.6
85°	9.3	10.2	27.3	31.9	54.6	39.4	25.9	40.7	46.3	41.2
87.5°	0.9	1.4	8.3	6.0	6.5	7.9	3.7	7.9	6.5	6.5
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°
1065.2	0°	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2	1065.2
1081.0	2.5°	1072.2	1065.2	1047.6	1027.3	1000.4	987.5	969.9	957.8	947.6	948.6
1107.8	5°	1093.0	1075.4	1036.1	987.0	925.9	882.4	836.1	804.1	778.2	772.7
1144.9	7.5°	1121.7	1093.9	1025.0	936.5	833.3	755.1	685.2	640.3	608.3	598.1
1189.8	10°	1158.7	1118.5	1010.6	873.1	724.5	625.0	550.0	514.8	493.0	485.6
1242.5	12.5°	1201.8	1146.7	991.6	795.8	612.5	516.6	469.0	451.4	444.4	442.1
1307.4	15°	1256.0	1181.9	962.9	704.1	517.6	450.4	430.1	427.8	428.7	427.8
1385.1	17.5°	1320.3	1220.3	916.2	609.7	453.7	416.6	409.2	411.1	413.4	412.9
1472.2	20°	1390.7	1258.3	856.4	525.9	410.2	392.6	388.4	390.3	392.1	391.2
1572.6	22.5°	1470.8	1299.0	790.2	460.6	381.0	370.4	365.7	366.2	366.2	364.3
1699.9	25°	1566.6	1343.9	720.8	414.3	358.8	350.4	344.9	343.0	340.3	334.7
1854.6	27.5°	1680.9	1391.6	654.1	381.9	341.2	333.3	326.8	322.2	315.3	306.0
2040.2	30°	1809.6	1449.5	597.7	361.6	327.3	319.4	312.0	305.1	294.9	283.3
2253.6	32.5°	1961.0	1511.5	556.5	348.1	314.8	306.5	297.7	289.3	278.2	266.7
2493.4	35°	2141.6	1586.5	532.4	338.9	305.1	294.0	284.2	275.0	266.7	256.5
2754.1	37.5°	2337.4	1666.1	525.0	334.2	298.6	281.5	270.4	263.9	263.0	256.9
3036.0	40°	2551.7	1760.6	530.5	331.5	291.7	269.4	257.4	256.0	258.3	247.7
3337.4	42.5°	2778.6	1872.6	539.8	328.2	281.9	257.4	245.8	245.8	244.0	229.2
3655.9	45°	3023.9	2001.8	549.1	320.4	270.4	245.4	236.6	233.3	225.5	211.1
3976.2	47.5°	3271.2	2133.2	556.0	306.0	256.5	235.2	227.3	219.9	208.3	195.4
4290.6	50°	3505.9	2251.3	548.6	284.7	240.7	225.5	217.1	206.9	194.4	185.6
4588.2	52.5°	3715.6	2353.6	517.1	259.7	224.1	215.3	207.9	197.2	187.0	177.8
4856.7	55°	3898.0	2436.5	461.6	236.1	209.3	206.5	199.1	185.6	171.8	163.9
5122.9	57.5°	4073.0	2499.4	392.1	216.7	195.8	196.8	185.6	173.6	160.6	152.3
5481.7	60°	4305.8	2583.7	321.7	198.6	181.5	184.3	172.2	163.4	147.2	136.6
6097.0	62.5°	4678.0	2714.7	255.5	176.4	164.8	165.7	160.6	150.0	130.6	118.1
6553.0	65°	4973.4	2666.6	201.4	152.3	145.8	147.2	147.2	135.6	114.8	100.5
6577.5	67.5°	4940.1	2283.2	160.6	128.7	127.8	128.7	131.9	122.2	101.8	90.3
6076.6	70°	4550.7	1816.1	128.7	106.9	111.1	108.8	118.1	111.6	91.7	80.1
4710.9	72.5°	3713.3	1308.3	98.1	88.4	85.2	88.9	106.5	100.5	76.4	63.4
2495.3	75°	2169.8	698.1	73.1	69.9	61.6	74.1	94.4	85.6	58.3	46.8
764.8	77.5°	706.5	243.5	53.7	51.4	45.8	59.7	80.6	72.2	47.7	37.0
224.1	80°	189.3	73.6	36.6	33.8	29.6	44.4	63.9	57.4	34.3	24.1
96.3	82.5°	75.9	31.0	21.3	19.0	16.2	30.6	50.5	46.3	25.5	15.3
30.1	85°	24.5	10.2	7.9	6.0	7.4	19.0	30.1	31.5	18.1	7.9
4.6	87.5°	3.2	1.4	1.4	1.9	1.4	3.2	9.3	8.8	5.1	0.9
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°
1065.2
939.3
760.2
587.9
480.1
440.7
427.3
412.0
390.7
363.4
333.8
305.1
282.4
267.1
255.5
256.5
248.1
229.2
210.6
194.9
184.3
176.8
163.0
151.4
135.2
117.1
99.1
88.4
78.7
62.0
45.4
35.6
23.6
15.3
6.0
0.0
0.0

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