

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: P846655

Luminaire Tested: **GLAN-SB2B-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846655
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-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 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: 7061 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

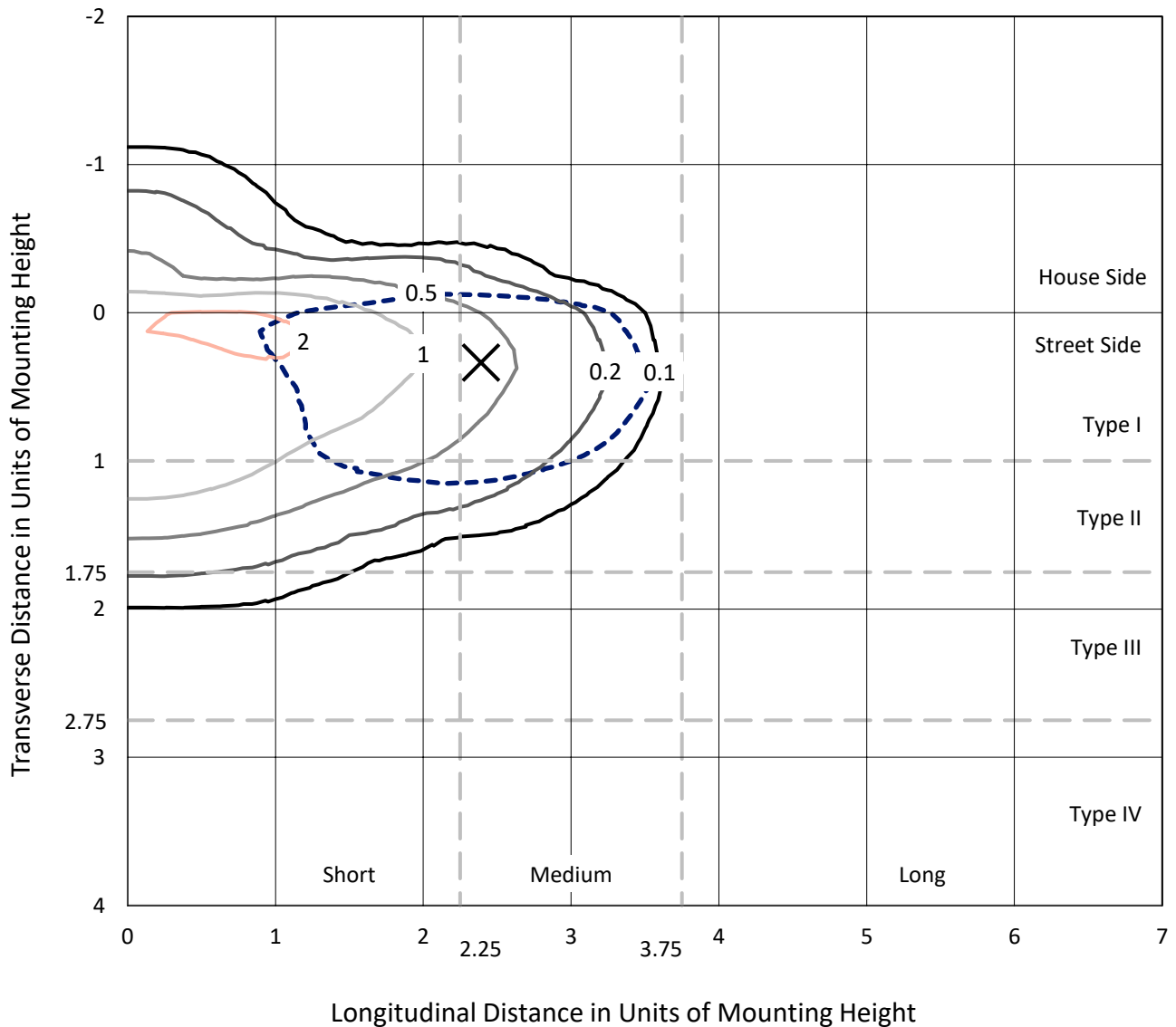
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

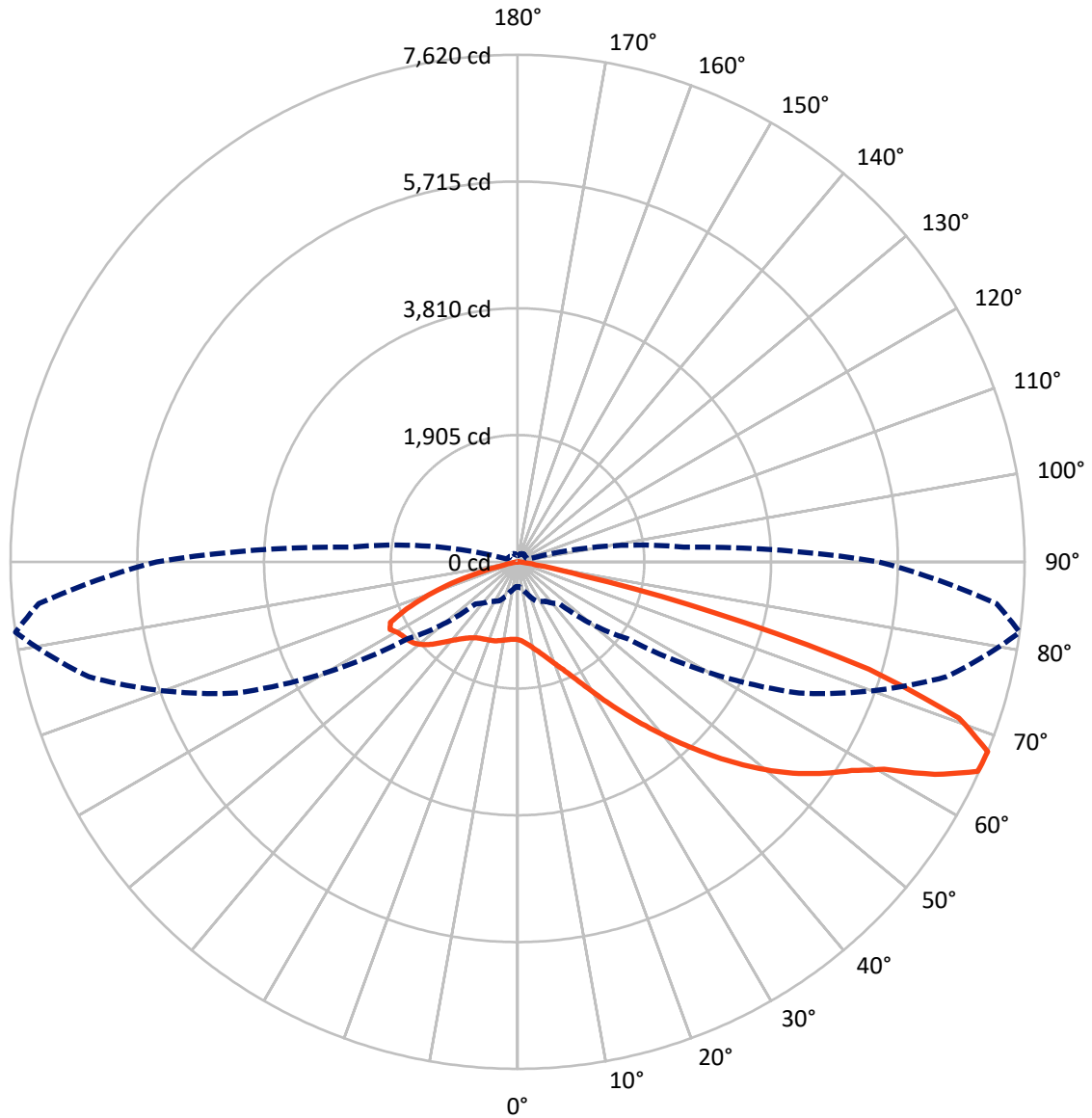
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	1279.0	0.0	1279.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5782.0	0.0	5782.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	7061.0	0.0	7061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.5
10°-20°	270.8	3.8
20°-30°	433.8	6.1
30°-40°	767.0	10.9
40°-50°	1343.9	19.0
50°-60°	1792.4	25.4
60°-70°	1668.6	23.6
70°-80°	640.4	9.1
80°-90°	39.8	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°	7061.0	100.0
0°-180°	7061.0	100.0

Coefficient of Utilization

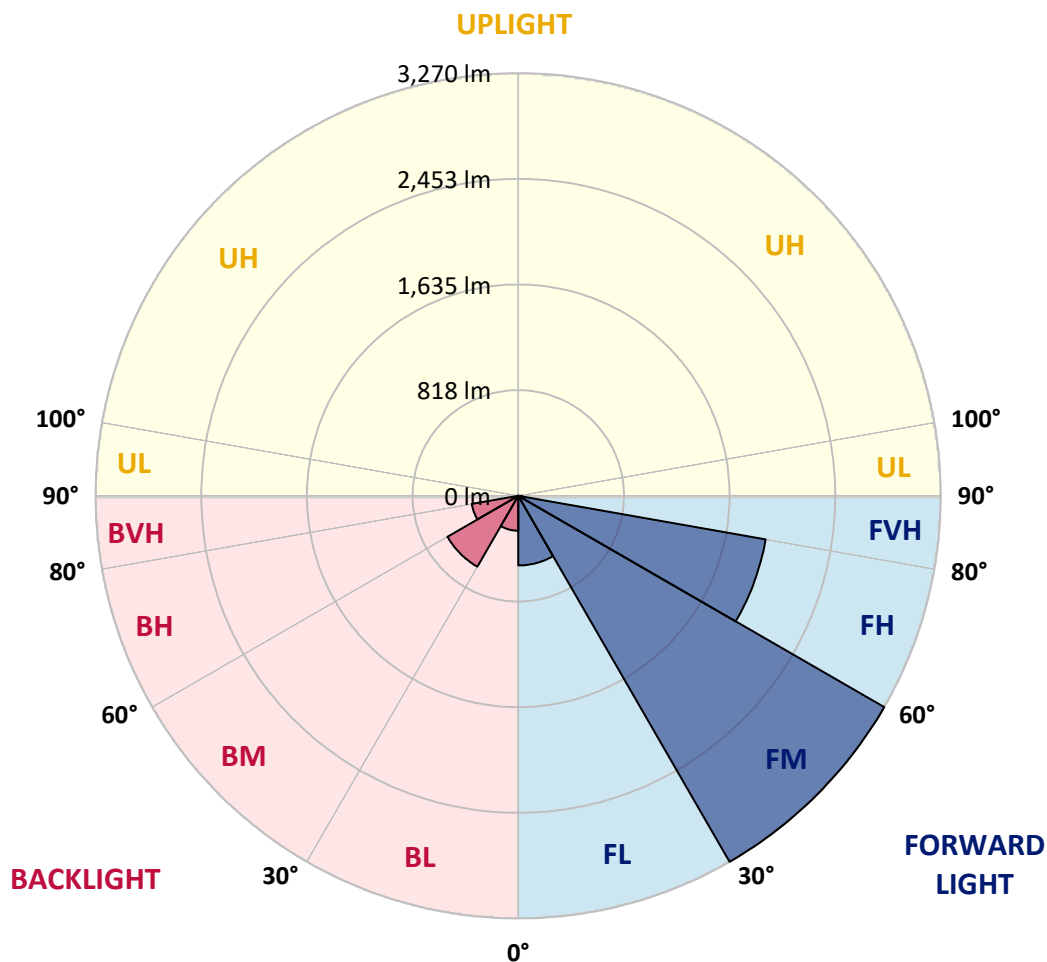


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.7	7.6			
FM (30°-60°)	3270.4	46.3			
FH (60°-80°)	1944.0	27.5			G2/5000
FVH (80°-90°)	28.9	0.4			G1/100
BL (0°-30°)	270.1	3.8	B1/500		
BM (30°-60°)	633.0	9.0	B1/1000		
BH (60°-80°)	365.1	5.2	B1/500		G1/500
BVH (80°-90°)	10.9	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°	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8
2.5°	1236.4	1243.5	1239.4	1237.4	1233.8	1228.7	1224.7	1212.0	1198.7	1190.1
5°	1261.3	1268.4	1267.9	1269.9	1272.5	1274.0	1273.0	1258.7	1239.9	1225.2
7.5°	1239.9	1248.1	1254.7	1264.8	1282.6	1301.4	1310.6	1307.5	1288.2	1267.9
10°	1179.4	1188.1	1203.8	1227.7	1265.3	1306.0	1340.1	1355.8	1343.6	1321.3
12.5°	1068.6	1077.2	1108.3	1160.1	1223.1	1293.8	1358.9	1401.1	1404.1	1381.8
15°	944.1	952.7	985.7	1050.8	1146.9	1260.3	1369.1	1448.9	1475.8	1456.5
17.5°	866.8	874.4	899.3	951.7	1051.8	1193.2	1365.5	1499.7	1561.2	1546.0
20°	843.4	850.0	861.7	898.3	981.7	1123.5	1342.1	1547.5	1653.2	1644.6
22.5°	868.3	874.4	878.0	894.2	946.6	1077.8	1312.6	1596.3	1760.0	1761.0
25°	925.7	931.8	927.8	938.0	960.8	1063.5	1301.4	1653.7	1894.2	1905.4
27.5°	1020.3	1020.8	1011.2	1010.6	1014.2	1084.9	1313.1	1715.3	2063.5	2084.3
30°	1209.9	1202.3	1165.2	1125.0	1106.7	1148.9	1345.7	1788.0	2263.3	2300.4
32.5°	1502.2	1491.1	1422.9	1326.9	1230.3	1252.1	1404.1	1870.8	2480.9	2548.0
35°	1819.5	1816.4	1745.2	1602.4	1433.6	1399.0	1499.2	1979.6	2718.3	2825.0
37.5°	2114.3	2112.8	2072.1	1903.9	1698.5	1603.9	1651.7	2122.0	2972.5	3127.0
40°	2383.8	2388.3	2347.7	2197.2	1990.3	1866.7	1859.1	2297.9	3255.1	3455.9
42.5°	2616.6	2621.7	2580.5	2469.2	2278.5	2157.5	2113.8	2513.4	3531.2	3809.2
45°	2774.7	2806.2	2800.1	2711.2	2574.4	2448.8	2419.9	2783.9	3845.8	4183.9
47.5°	2819.4	2848.4	2894.2	2906.4	2823.0	2699.5	2734.0	3109.7	4164.1	4559.1
50°	2709.1	2736.1	2831.1	2957.7	3015.7	2977.5	3039.6	3459.0	4490.0	4933.3
52.5°	2491.5	2519.0	2639.0	2839.3	3075.7	3195.6	3346.1	3803.1	4805.7	5287.6
55°	2176.9	2205.8	2359.9	2586.6	2961.3	3285.6	3601.8	4146.8	5094.9	5606.3
57.5°	1748.8	1770.2	1930.3	2247.5	2673.5	3196.1	3790.4	4522.0	5367.4	5919.5
60°	1139.8	1158.6	1344.6	1698.5	2196.7	2897.2	3828.1	4940.4	5729.4	6326.7
62.5°	758.0	770.7	881.0	1140.8	1547.0	2323.3	3607.9	5274.4	6260.1	7035.4
65°	520.1	532.8	643.1	824.1	999.5	1536.8	2975.0	5230.2	6741.0	7598.2
67.5°	371.1	381.8	475.3	646.1	723.4	892.7	2016.7	4664.8	6671.9	7619.5
70°	265.9	272.0	349.3	503.3	575.0	536.3	1121.5	3567.8	5841.7	7035.9
72.5°	186.1	188.1	242.5	383.3	463.1	391.4	533.8	2378.7	4418.3	5522.5
75°	126.1	128.6	163.2	281.1	371.6	298.9	282.7	1275.5	2593.7	3056.9
77.5°	77.3	78.3	105.2	192.2	278.1	227.8	182.0	540.4	1003.5	985.2
80°	43.7	43.7	67.1	119.5	189.6	146.9	127.6	229.8	317.7	279.1
82.5°	24.4	24.9	48.8	74.2	125.6	86.9	70.2	106.3	137.3	121.5
85°	10.2	11.2	30.0	35.1	60.0	43.2	28.5	44.7	50.8	45.2
87.5°	1.0	1.5	9.2	6.6	7.1	8.6	4.1	8.6	7.1	7.1
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°
1169.8	0°	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8
1187.1	2.5°	1177.4	1169.8	1150.5	1128.1	1098.6	1084.4	1065.0	1051.8	1040.6	1041.7
1216.5	5°	1200.3	1181.0	1137.7	1083.9	1016.7	969.0	918.1	883.0	854.6	848.5
1257.2	7.5°	1231.8	1201.3	1125.5	1028.4	915.1	829.2	752.4	703.1	668.0	656.8
1306.5	10°	1272.5	1228.2	1109.8	958.8	795.6	686.3	603.9	565.3	541.4	533.3
1364.5	12.5°	1319.7	1259.2	1088.9	873.9	672.6	567.3	515.0	495.7	488.0	485.5
1435.6	15°	1379.2	1297.9	1057.4	773.2	568.4	494.6	472.3	469.7	470.8	469.7
1521.1	17.5°	1449.9	1340.1	1006.1	669.5	498.2	457.5	449.4	451.4	454.0	453.5
1616.6	20°	1527.2	1381.8	940.5	577.5	450.4	431.1	426.5	428.6	430.6	429.6
1726.9	22.5°	1615.1	1426.5	867.8	505.8	418.4	406.7	401.6	402.1	402.1	400.1
1866.7	25°	1720.3	1475.8	791.5	455.0	394.0	384.8	378.7	376.7	373.7	367.6
2036.5	27.5°	1845.9	1528.2	718.3	419.4	374.7	366.0	358.9	353.8	346.2	336.0
2240.4	30°	1987.2	1591.7	656.3	397.0	359.4	350.8	342.6	335.0	323.8	311.1
2474.8	32.5°	2153.5	1659.8	611.1	382.3	345.7	336.5	326.9	317.7	305.5	292.8
2738.1	35°	2351.7	1742.2	584.6	372.1	335.0	322.8	312.1	302.0	292.8	281.6
3024.3	37.5°	2566.8	1829.6	576.5	367.0	327.9	309.1	296.9	289.8	288.8	282.1
3333.9	40°	2802.2	1933.3	582.6	364.0	320.3	295.9	282.7	281.1	283.7	272.0
3664.9	42.5°	3051.3	2056.4	592.8	360.4	309.6	282.7	269.9	269.9	267.9	251.6
4014.6	45°	3320.7	2198.2	602.9	351.8	296.9	269.4	259.8	256.2	247.6	231.8
4366.4	47.5°	3592.2	2342.6	610.6	336.0	281.6	258.3	249.6	241.5	228.8	214.5
4711.6	50°	3849.9	2472.2	602.4	312.7	264.4	247.6	238.4	227.2	213.5	203.9
5038.5	52.5°	4080.2	2584.6	567.9	285.2	246.1	236.4	228.3	216.6	205.4	195.2
5333.4	55°	4280.5	2675.6	506.8	259.3	229.8	226.7	218.6	203.9	188.6	180.0
5625.7	57.5°	4472.7	2744.7	430.6	237.9	215.0	216.1	203.9	190.6	176.4	167.3
6019.7	60°	4728.4	2837.2	353.3	218.1	199.3	202.3	189.1	179.5	161.7	150.0
6695.3	62.5°	5137.1	2981.1	280.6	193.7	181.0	182.0	176.4	164.7	143.4	129.6
7196.0	65°	5461.5	2928.2	221.1	167.3	160.1	161.7	161.7	149.0	126.1	110.3
7223.0	67.5°	5424.9	2507.3	176.4	141.3	140.3	141.3	144.9	134.2	111.8	99.1
6672.9	70°	4997.3	1994.4	141.3	117.4	122.0	119.5	129.6	122.5	100.7	87.9
5173.2	72.5°	4077.7	1436.7	107.8	97.1	93.5	97.6	116.9	110.3	83.9	69.6
2740.1	75°	2382.7	766.6	80.3	76.8	67.6	81.3	103.7	94.0	64.1	51.3
839.8	77.5°	775.8	267.4	59.0	56.4	50.3	65.6	88.5	79.3	52.4	40.7
246.1	80°	207.9	80.8	40.2	37.1	32.5	48.8	70.2	63.0	37.6	26.4
105.7	82.5°	83.4	34.1	23.4	20.8	17.8	33.6	55.4	50.8	28.0	16.8
33.0	85°	26.9	11.2	8.6	6.6	8.1	20.8	33.0	34.6	19.8	8.6
5.1	87.5°	3.6	1.5	1.5	2.0	1.5	3.6	10.2	9.7	5.6	1.0
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°
1169.8
1031.5
834.8
645.6
527.2
484.0
469.2
452.5
429.1
399.1
366.5
335.0
310.1
293.3
280.6
281.6
272.5
251.6
231.3
214.0
202.3
194.2
178.9
166.2
148.4
128.6
108.8
97.1
86.4
68.1
49.8
39.1
25.9
16.8
6.6
0.0
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