

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: P846315

Luminaire Tested: **GLAN-SB1D-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846315
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-SB1D-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6383 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

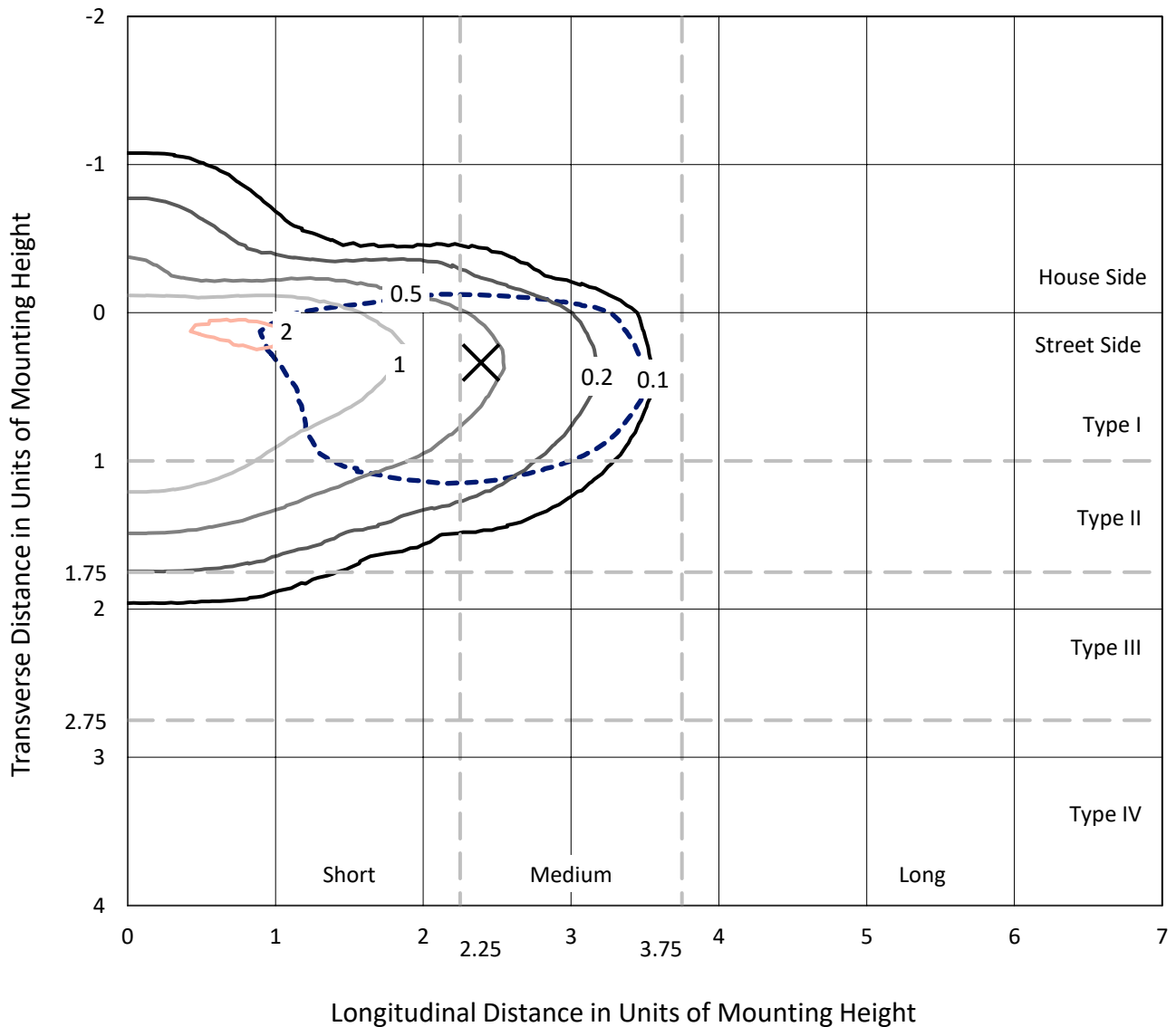
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

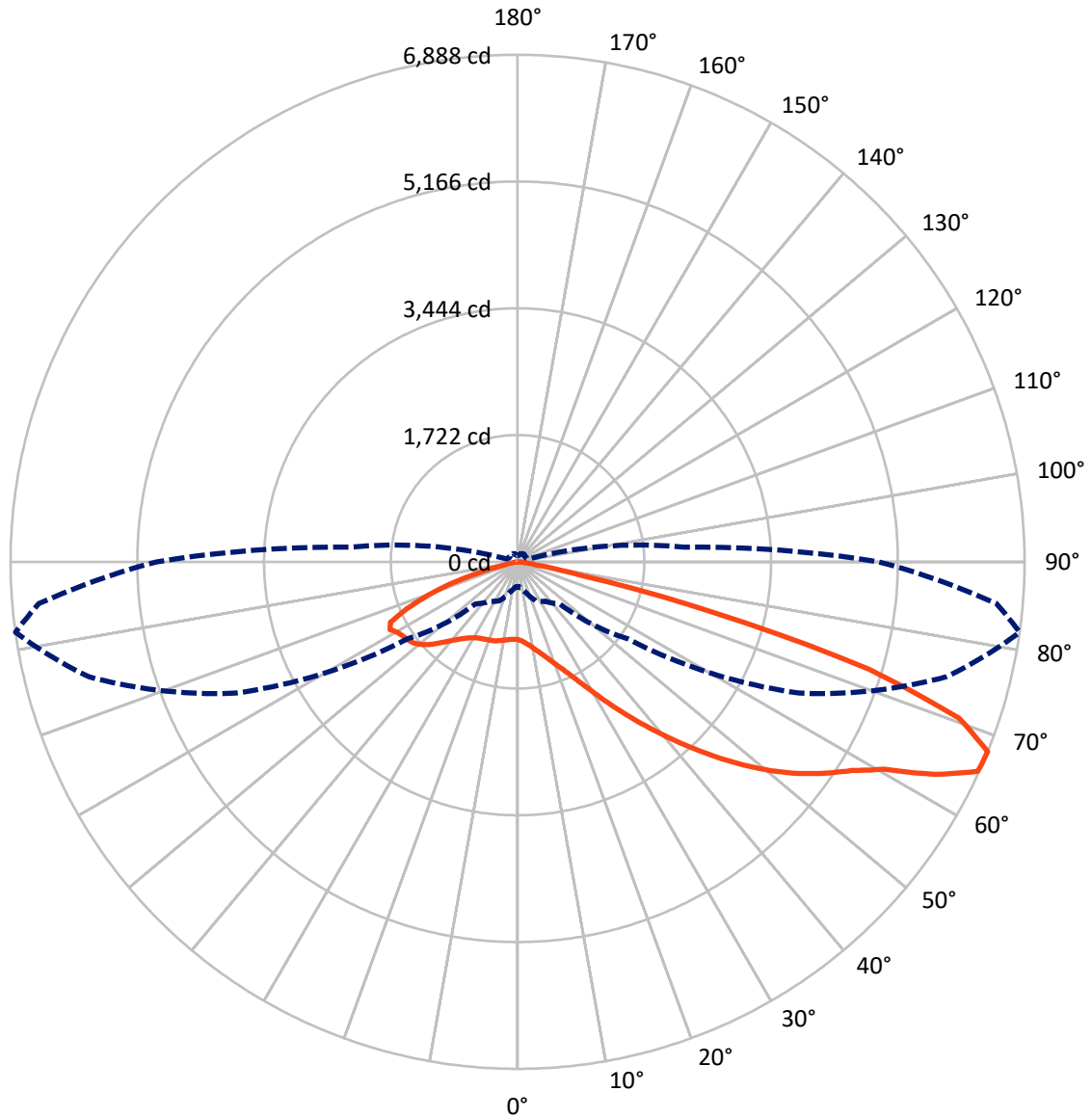
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	1156.2	0.0	1156.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5226.8	0.0	5226.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	6383.0	0.0	6383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	1.5
10°-20°	244.8	3.8
20°-30°	392.1	6.1
30°-40°	693.4	10.9
40°-50°	1214.9	19.0
50°-60°	1620.3	25.4
60°-70°	1508.4	23.6
70°-80°	578.9	9.1
80°-90°	36.0	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°	6383.0	100.0
0°-180°	6383.0	100.0

Coefficient of Utilization

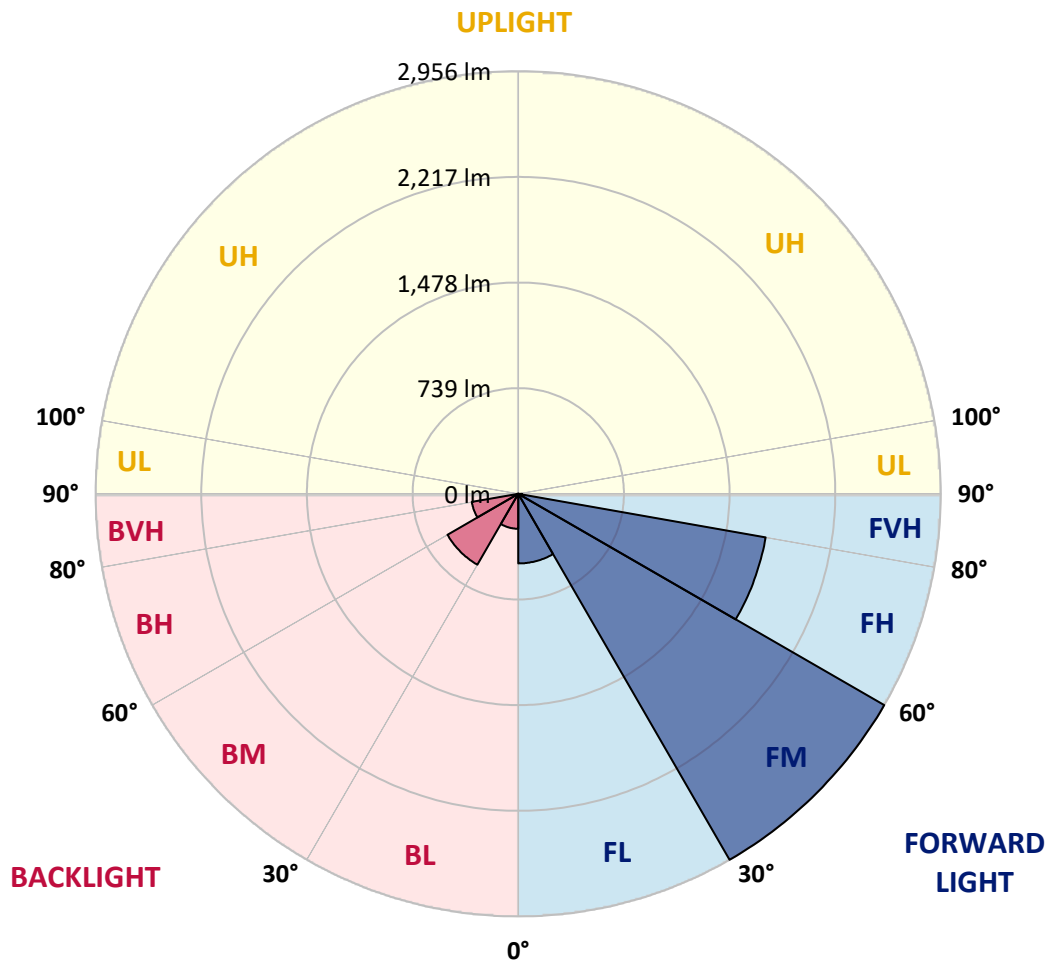


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.0	7.6			
FM (30°-60°)	2956.3	46.3			
FH (60°-80°)	1757.3	27.5			G1/1800
FVH (80°-90°)	26.1	0.4			G1/100
BL (0°-30°)	244.2	3.8	B1/500		
BM (30°-60°)	572.2	9.0	B1/1000		
BH (60°-80°)	330.0	5.2	B1/500		G1/500
BVH (80°-90°)	9.8	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°	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4
2.5°	1117.6	1124.1	1120.4	1118.6	1115.4	1110.8	1107.1	1095.6	1083.6	1075.8
5°	1140.2	1146.6	1146.1	1148.0	1150.3	1151.7	1150.7	1137.9	1120.9	1107.5
7.5°	1120.9	1128.2	1134.2	1143.4	1159.5	1176.5	1184.7	1182.0	1164.5	1146.1
10°	1066.2	1074.0	1088.2	1109.8	1143.8	1180.6	1211.4	1225.6	1214.6	1194.4
12.5°	966.0	973.8	1001.8	1048.7	1105.7	1169.6	1228.4	1266.5	1269.3	1249.1
15°	853.4	861.2	891.1	949.9	1036.8	1139.2	1237.6	1309.7	1334.1	1316.6
17.5°	783.5	790.4	813.0	860.3	950.8	1078.6	1234.4	1355.7	1411.3	1397.5
20°	762.4	768.4	779.0	812.0	887.4	1015.6	1213.2	1398.9	1494.5	1486.7
22.5°	784.9	790.4	793.7	808.4	855.7	974.3	1186.6	1443.0	1591.0	1591.9
25°	836.9	842.4	838.7	847.9	868.6	961.4	1176.5	1494.9	1712.3	1722.4
27.5°	922.3	922.8	914.1	913.6	916.8	980.7	1187.0	1550.6	1865.4	1884.2
30°	1093.8	1086.9	1053.3	1017.0	1000.5	1038.6	1216.5	1616.3	2046.0	2079.5
32.5°	1358.0	1347.9	1286.3	1199.5	1112.1	1131.9	1269.3	1691.2	2242.7	2303.3
35°	1644.8	1642.0	1577.7	1448.5	1296.0	1264.7	1355.2	1789.5	2457.3	2553.8
37.5°	1911.3	1909.9	1873.2	1721.1	1535.4	1449.9	1493.1	1918.2	2687.0	2826.8
40°	2154.9	2159.0	2122.2	1986.2	1799.2	1687.5	1680.6	2077.2	2942.6	3124.1
42.5°	2365.4	2369.9	2332.7	2232.1	2059.7	1950.4	1910.8	2272.1	3192.1	3443.5
45°	2508.3	2536.8	2531.3	2450.8	2327.2	2213.7	2187.5	2516.5	3476.6	3782.2
47.5°	2548.7	2574.9	2616.3	2627.3	2551.9	2440.3	2471.5	2811.1	3764.3	4121.3
50°	2449.0	2473.4	2559.3	2673.7	2726.1	2691.6	2747.7	3126.8	4058.8	4459.6
52.5°	2252.3	2277.1	2385.6	2566.6	2780.3	2888.8	3024.8	3438.0	4344.2	4779.9
55°	1967.8	1994.0	2133.3	2338.2	2676.9	2970.1	3256.0	3748.6	4605.7	5068.0
57.5°	1580.9	1600.2	1744.9	2031.7	2416.8	2889.3	3426.5	4087.8	4852.0	5351.1
60°	1030.3	1047.3	1215.5	1535.4	1985.8	2619.0	3460.5	4466.0	5179.2	5719.2
62.5°	685.2	696.7	796.4	1031.3	1398.4	2100.2	3261.5	4767.9	5659.0	6359.8
65°	470.1	481.6	581.3	744.9	903.5	1389.2	2689.3	4728.0	6093.8	6868.6
67.5°	335.5	345.1	429.7	584.1	654.0	807.0	1823.1	4216.9	6031.3	6887.9
70°	240.3	245.9	315.7	455.0	519.8	484.8	1013.8	3225.2	5280.8	6360.3
72.5°	168.2	170.0	219.2	346.5	418.7	353.9	482.5	2150.3	3994.0	4992.2
75°	114.0	116.3	147.5	254.1	335.9	270.2	255.5	1153.0	2344.7	2763.3
77.5°	69.9	70.8	95.1	173.7	251.4	205.9	164.5	488.5	907.2	890.6
80°	39.5	39.5	60.7	108.0	171.4	132.8	115.3	207.7	287.2	252.3
82.5°	22.1	22.5	44.1	67.1	113.5	78.6	63.4	96.0	124.1	109.8
85°	9.2	10.1	27.1	31.7	54.2	39.1	25.7	40.4	46.0	40.9
87.5°	0.9	1.4	8.3	6.0	6.4	7.8	3.7	7.8	6.4	6.4
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°
1057.4	0°	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4	1057.4
1073.1	2.5°	1064.3	1057.4	1040.0	1019.8	993.1	980.2	962.8	950.8	940.7	941.6
1099.7	5°	1085.0	1067.6	1028.5	979.8	919.1	875.9	830.0	798.3	772.5	767.0
1136.5	7.5°	1113.5	1085.9	1017.5	929.7	827.2	749.5	680.1	635.6	603.9	593.8
1181.1	10°	1150.3	1110.3	1003.2	866.7	719.2	620.4	546.0	511.0	489.4	482.1
1233.5	12.5°	1193.0	1138.3	984.4	790.0	608.0	512.9	465.5	448.1	441.2	438.9
1297.8	15°	1246.8	1173.3	955.9	699.0	513.8	447.2	426.9	424.6	425.6	424.6
1375.0	17.5°	1310.7	1211.4	909.5	605.2	450.4	413.6	406.3	408.1	410.4	409.9
1461.4	20°	1380.5	1249.1	850.2	522.1	407.2	389.7	385.6	387.4	389.2	388.3
1561.1	22.5°	1460.0	1289.5	784.5	457.3	378.2	367.6	363.1	363.5	363.5	361.7
1687.5	25°	1555.2	1334.1	715.5	411.3	356.2	347.9	342.4	340.5	337.8	332.3
1841.0	27.5°	1668.7	1381.4	649.4	379.1	338.7	330.9	324.4	319.9	313.0	303.8
2025.3	30°	1796.4	1438.9	593.3	358.9	324.9	317.1	309.7	302.8	292.7	281.3
2237.1	32.5°	1946.7	1500.5	552.4	345.6	312.5	304.2	295.5	287.2	276.2	264.7
2475.2	35°	2125.9	1574.9	528.5	336.4	302.8	291.8	282.2	273.0	264.7	254.6
2733.9	37.5°	2320.3	1654.0	521.1	331.8	296.4	279.4	268.4	261.9	261.0	255.1
3013.8	40°	2533.1	1747.7	526.7	329.0	289.5	267.5	255.5	254.1	256.4	245.9
3313.0	42.5°	2758.3	1858.9	535.8	325.8	279.9	255.5	244.0	244.0	242.2	227.5
3629.1	45°	3001.8	1987.1	545.0	318.0	268.4	243.6	234.8	231.6	223.8	209.6
3947.2	47.5°	3247.2	2117.7	551.9	303.8	254.6	233.5	225.6	218.3	206.8	193.9
4259.2	50°	3480.2	2234.8	544.6	282.6	239.0	223.8	215.5	205.4	193.0	184.3
4554.7	52.5°	3688.4	2336.4	513.3	257.8	222.4	213.7	206.3	195.8	185.7	176.5
4821.2	55°	3869.5	2418.7	458.2	234.4	207.7	205.0	197.6	184.3	170.5	162.7
5085.5	57.5°	4043.2	2481.2	389.2	215.1	194.4	195.3	184.3	172.3	159.5	151.2
5441.6	60°	4274.4	2564.8	319.4	197.2	180.1	182.9	171.0	162.2	146.1	135.6
6052.4	62.5°	4643.9	2694.9	253.7	175.1	163.6	164.5	159.5	148.9	129.6	117.2
6505.1	65°	4937.1	2647.1	199.9	151.2	144.8	146.1	146.1	134.7	114.0	99.7
6529.4	67.5°	4904.0	2266.5	159.5	127.8	126.8	127.8	131.0	121.3	101.1	89.6
6032.2	70°	4517.5	1802.9	127.8	106.2	110.3	108.0	117.2	110.8	91.0	79.5
4676.5	72.5°	3686.1	1298.7	97.4	87.8	84.6	88.2	105.7	99.7	75.8	63.0
2477.0	75°	2154.0	693.0	72.6	69.4	61.1	73.5	93.8	85.0	57.9	46.4
759.2	77.5°	701.3	241.7	53.3	51.0	45.5	59.3	80.0	71.7	47.3	36.8
222.4	80°	188.0	73.1	36.3	33.5	29.4	44.1	63.4	57.0	34.0	23.9
95.6	82.5°	75.4	30.8	21.1	18.8	16.1	30.3	50.1	46.0	25.3	15.2
29.9	85°	24.4	10.1	7.8	6.0	7.4	18.8	29.9	31.3	17.9	7.8
4.6	87.5°	3.2	1.4	1.4	1.8	1.4	3.2	9.2	8.7	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°
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1057.4
932.4
754.6
583.6
476.6
437.5
424.2
409.0
387.9
360.8
331.3
302.8
280.3
265.2
253.7
254.6
246.3
227.5
209.1
193.5
182.9
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