

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: P846565

Luminaire Tested: **GLAN-SB2B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846565
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 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: 7943 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

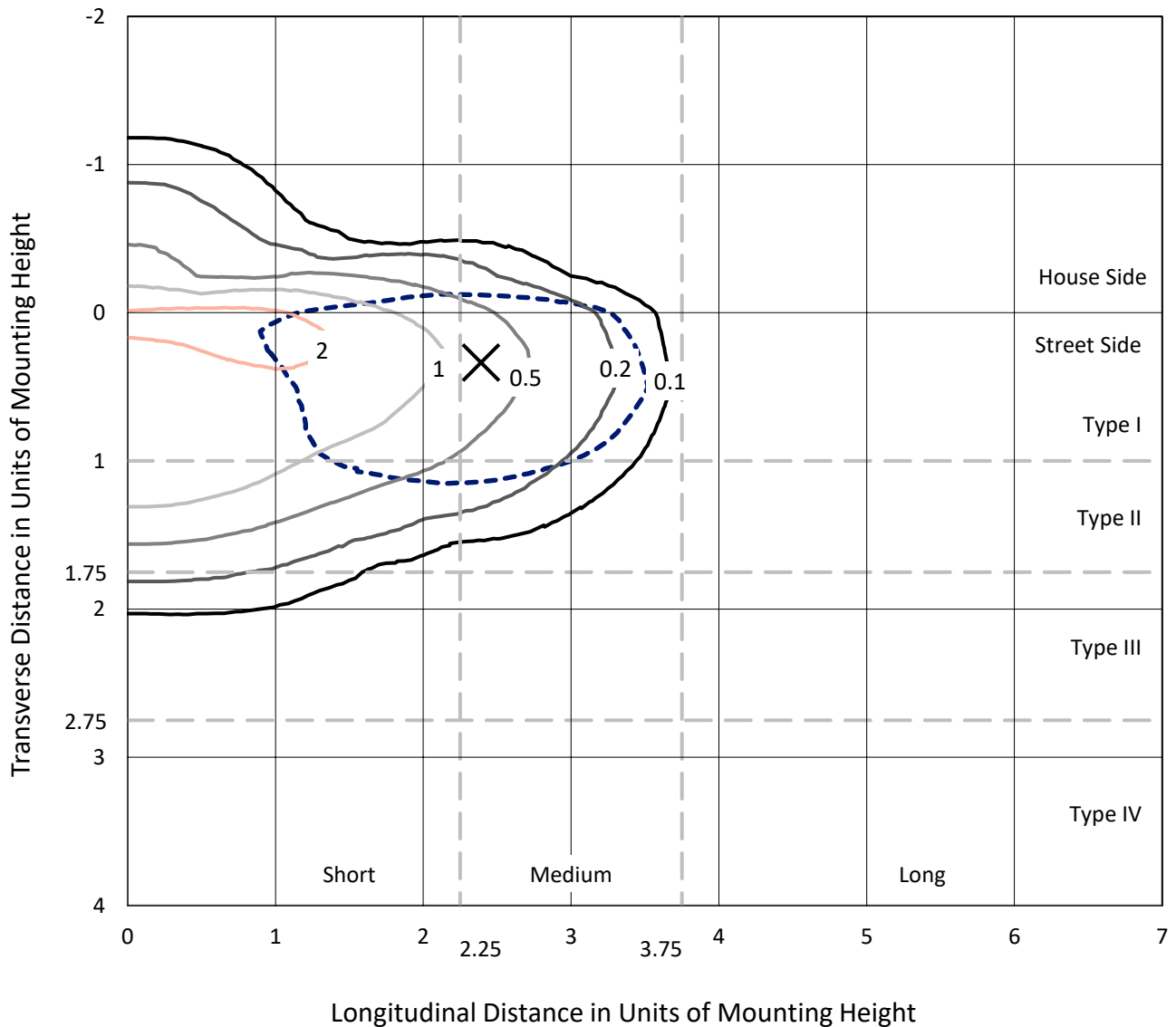
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

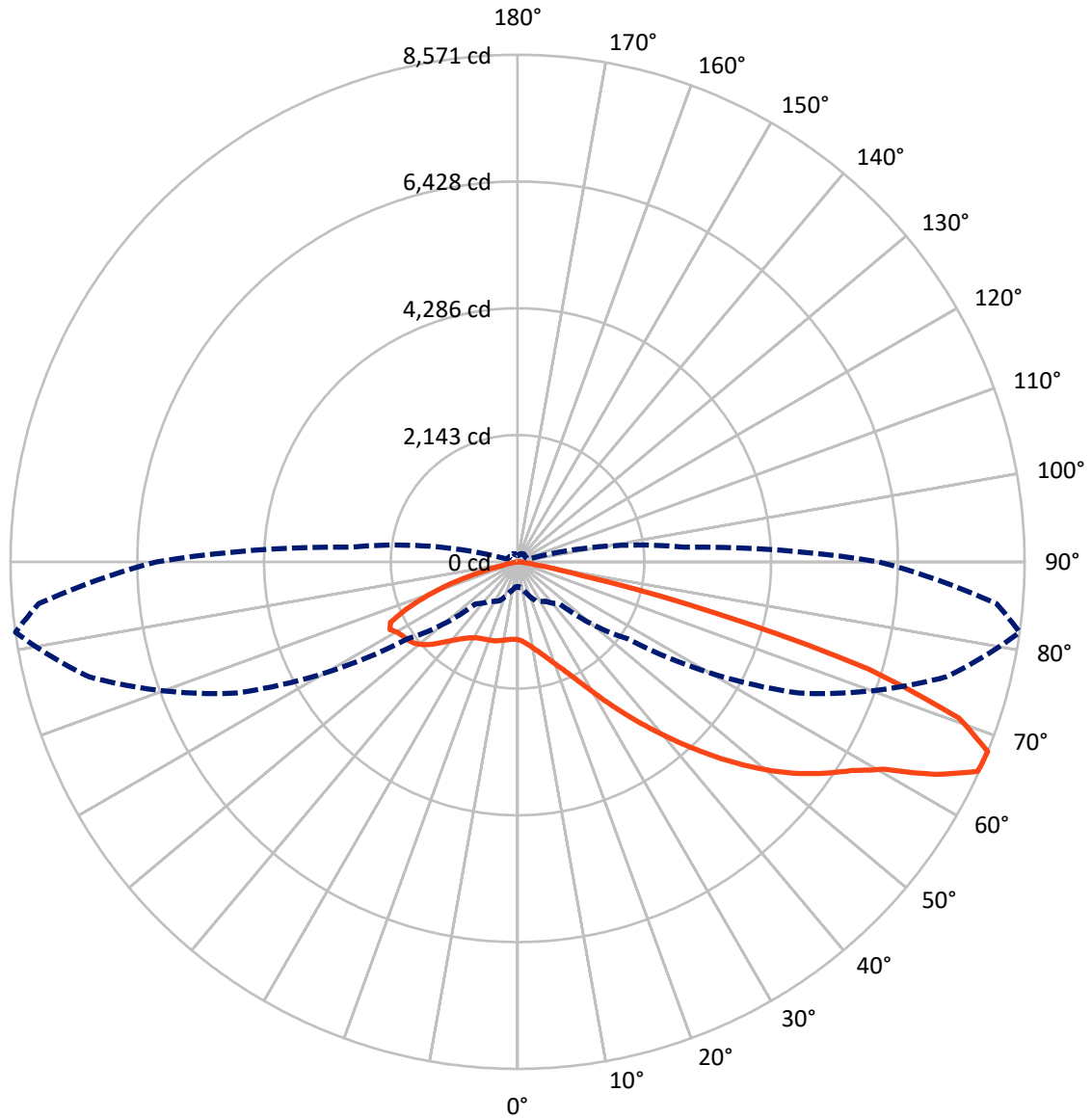
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1438.8	0.0	1438.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6504.2	0.0	6504.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	7943.0	0.0	7943.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	1.5
10°-20°	304.6	3.8
20°-30°	488.0	6.1
30°-40°	862.8	10.9
40°-50°	1511.8	19.0
50°-60°	2016.3	25.4
60°-70°	1877.1	23.6
70°-80°	720.4	9.1
80°-90°	44.7	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°	7943.0	100.0
0°-180°	7943.0	100.0

Coefficient of Utilization

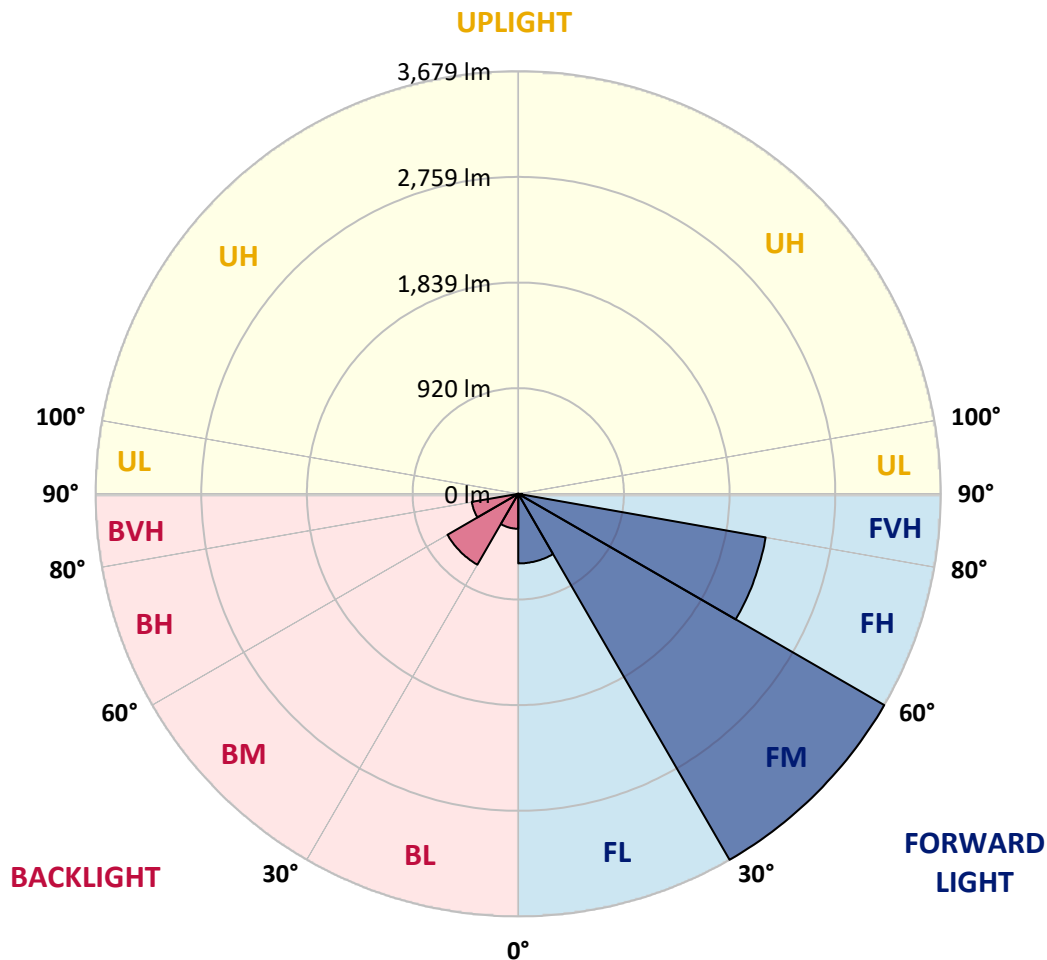


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.0	7.6			
FM (30°-60°)	3678.9	46.3			
FH (60°-80°)	2186.8	27.5			G2/5000
FVH (80°-90°)	32.5	0.4			G1/100
BL (0°-30°)	303.9	3.8	B1/500		
BM (30°-60°)	712.1	9.0	B1/1000		
BH (60°-80°)	410.7	5.2	B1/500		G1/500
BVH (80°-90°)	12.2	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°	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9
2.5°	1390.8	1398.8	1394.2	1391.9	1387.9	1382.2	1377.6	1363.4	1348.5	1338.8
5°	1418.8	1426.8	1426.3	1428.5	1431.4	1433.1	1432.0	1416.0	1394.8	1378.2
7.5°	1394.8	1404.0	1411.4	1422.8	1442.8	1464.0	1474.3	1470.9	1449.1	1426.3
10°	1326.8	1336.5	1354.2	1381.1	1423.4	1469.1	1507.5	1525.2	1511.5	1486.3
12.5°	1202.1	1211.8	1246.7	1305.0	1375.9	1455.4	1528.6	1576.1	1579.5	1554.4
15°	1062.0	1071.7	1108.9	1182.1	1290.2	1417.7	1540.1	1629.8	1660.2	1638.4
17.5°	975.0	983.6	1011.6	1070.6	1183.2	1342.2	1536.1	1687.0	1756.2	1739.1
20°	948.7	956.2	969.3	1010.5	1104.3	1263.8	1509.8	1740.8	1859.7	1850.0
22.5°	976.8	983.6	987.6	1005.9	1064.8	1212.4	1476.6	1795.7	1979.8	1981.0
25°	1041.4	1048.2	1043.7	1055.1	1080.8	1196.4	1464.0	1860.3	2130.8	2143.4
27.5°	1147.8	1148.3	1137.5	1136.9	1140.9	1220.4	1477.2	1929.5	2321.2	2344.7
30°	1361.1	1352.5	1310.7	1265.6	1245.0	1292.4	1513.8	2011.3	2546.0	2587.7
32.5°	1689.9	1677.3	1600.7	1492.6	1383.9	1408.5	1579.5	2104.5	2790.8	2866.2
35°	2046.7	2043.3	1963.2	1802.6	1612.7	1573.8	1686.5	2226.9	3057.8	3177.9
37.5°	2378.4	2376.7	2331.0	2141.7	1910.6	1804.3	1858.0	2387.0	3343.8	3517.6
40°	2681.5	2686.7	2640.9	2471.6	2238.9	2099.9	2091.3	2584.9	3661.7	3887.6
42.5°	2943.4	2949.2	2902.8	2777.6	2563.1	2427.0	2377.9	2827.4	3972.2	4285.1
45°	3121.3	3156.8	3149.9	3049.8	2896.0	2754.7	2722.1	3131.6	4326.2	4706.5
47.5°	3171.6	3204.2	3255.7	3269.4	3175.6	3036.7	3075.5	3498.2	4684.2	5128.6
50°	3047.5	3077.8	3184.8	3327.2	3392.4	3349.5	3419.2	3891.0	5050.8	5549.5
52.5°	2802.8	2833.6	2968.6	3193.9	3459.8	3594.8	3764.1	4278.2	5405.9	5948.1
55°	2448.8	2481.4	2654.6	2909.7	3331.2	3696.0	4051.7	4664.8	5731.3	6306.6
57.5°	1967.3	1991.3	2171.4	2528.3	3007.5	3595.4	4263.9	5086.8	6037.9	6658.9
60°	1282.1	1303.3	1512.6	1910.6	2471.1	3259.1	4306.2	5557.5	6445.0	7117.0
62.5°	852.7	867.0	991.1	1283.3	1740.2	2613.5	4058.6	5933.2	7042.1	7914.2
65°	585.0	599.3	723.4	927.0	1124.3	1728.8	3346.6	5883.5	7583.1	8547.3
67.5°	417.5	429.5	534.7	726.9	813.8	1004.2	2268.6	5247.5	7505.3	8571.3
70°	299.1	306.0	392.9	566.2	646.8	603.3	1261.6	4013.4	6571.4	7914.8
72.5°	209.3	211.6	272.8	431.2	521.0	440.3	600.5	2675.8	4970.2	6212.3
75°	141.8	144.7	183.6	316.2	418.0	336.3	318.0	1434.8	2917.7	3438.7
77.5°	86.9	88.1	118.4	216.2	312.8	256.2	204.7	607.9	1128.9	1108.3
80°	49.2	49.2	75.5	134.4	213.3	165.3	143.5	258.5	357.4	314.0
82.5°	27.5	28.0	54.9	83.5	141.3	97.8	78.9	119.5	154.4	136.7
85°	11.4	12.6	33.7	39.5	67.5	48.6	32.0	50.3	57.2	50.9
87.5°	1.1	1.7	10.3	7.4	8.0	9.7	4.6	9.7	8.0	8.0
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°
1315.9	0°	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9	1315.9
1335.3	2.5°	1324.5	1315.9	1294.2	1269.0	1235.8	1219.8	1198.1	1183.2	1170.6	1171.8
1368.5	5°	1350.2	1328.5	1279.9	1219.2	1143.8	1090.0	1032.8	993.3	961.3	954.5
1414.2	7.5°	1385.7	1351.3	1266.1	1156.9	1029.4	932.7	846.4	790.9	751.4	738.9
1469.7	10°	1431.4	1381.7	1248.4	1078.6	895.0	772.0	679.4	635.9	609.0	599.9
1534.9	12.5°	1484.6	1416.5	1225.0	983.1	756.6	638.2	579.3	557.6	549.0	546.1
1615.0	15°	1551.5	1460.0	1189.5	869.8	639.4	556.4	531.3	528.4	529.6	528.4
1711.1	17.5°	1631.0	1507.5	1131.7	753.2	560.4	514.7	505.5	507.8	510.7	510.1
1818.6	20°	1717.9	1554.4	1058.0	649.7	506.7	485.0	479.8	482.1	484.4	483.2
1942.7	22.5°	1816.8	1604.7	976.2	569.0	470.7	457.5	451.8	452.4	452.4	450.1
2099.9	25°	1935.2	1660.2	890.4	511.8	443.2	432.9	426.0	423.8	420.3	413.5
2290.9	27.5°	2076.5	1719.1	808.1	471.8	421.5	411.8	403.7	398.0	389.4	378.0
2520.3	30°	2235.5	1790.5	738.3	446.6	404.3	394.6	385.4	376.9	364.3	350.0
2783.9	32.5°	2422.5	1867.2	687.4	430.1	388.9	378.6	367.7	357.4	343.7	329.4
3080.1	35°	2645.5	1959.8	657.7	418.6	376.9	363.1	351.1	339.7	329.4	316.8
3402.1	37.5°	2887.4	2058.2	648.5	412.9	368.9	347.7	334.0	326.0	324.8	317.4
3750.4	40°	3152.2	2174.8	655.4	409.5	360.3	332.8	318.0	316.2	319.1	306.0
4122.7	42.5°	3432.4	2313.2	666.8	405.5	348.3	318.0	303.7	303.7	301.4	283.1
4516.1	45°	3735.5	2472.8	678.2	395.7	334.0	303.1	292.2	288.2	278.5	260.8
4911.8	47.5°	4040.9	2635.2	686.8	378.0	316.8	290.5	280.8	271.6	257.3	241.3
5300.1	50°	4330.8	2781.0	677.7	351.7	297.4	278.5	268.2	255.6	240.2	229.3
5667.9	52.5°	4589.9	2907.4	638.8	320.8	276.8	265.9	256.8	243.6	231.0	219.6
5999.5	55°	4815.2	3009.8	570.2	291.7	258.5	255.1	245.9	229.3	212.2	202.4
6328.4	57.5°	5031.4	3087.6	484.4	267.6	241.9	243.0	229.3	214.5	198.4	188.1
6771.6	60°	5319.0	3191.6	397.5	245.3	224.2	227.6	212.7	201.9	181.9	168.7
7531.6	62.5°	5778.8	3353.5	315.7	217.9	203.6	204.7	198.4	185.3	161.3	145.8
8094.9	65°	6143.7	3294.0	248.8	188.1	180.1	181.9	181.9	167.6	141.8	124.1
8125.2	67.5°	6102.5	2820.5	198.4	159.0	157.8	159.0	163.0	151.0	125.8	111.5
7506.4	70°	5621.5	2243.5	159.0	132.1	137.3	134.4	145.8	137.8	113.2	98.9
5819.4	72.5°	4587.0	1616.1	121.2	109.2	105.2	109.8	131.5	124.1	94.4	78.3
3082.4	75°	2680.4	862.4	90.4	86.4	76.1	91.5	116.7	105.8	72.1	57.8
944.7	77.5°	872.7	300.8	66.3	63.5	56.6	73.8	99.5	89.2	58.9	45.8
276.8	80°	233.9	90.9	45.2	41.7	36.6	54.9	78.9	70.9	42.3	29.7
119.0	82.5°	93.8	38.3	26.3	23.4	20.0	37.7	62.3	57.2	31.5	18.9
37.2	85°	30.3	12.6	9.7	7.4	9.2	23.4	37.2	38.9	22.3	9.7
5.7	87.5°	4.0	1.7	1.7	2.3	1.7	4.0	11.4	10.9	6.3	1.1
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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1315.9
1160.3
939.0
726.3
593.0
544.4
527.8
509.0
482.7
448.9
412.3
376.9
348.8
330.0
315.7
316.8
306.5
283.1
260.2
240.8
227.6
218.5
201.3
187.0
167.0
144.7
122.4
109.2
97.2
76.6
56.0
44.0
29.2
18.9
7.4
0.0
0.0

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