

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: P847345

Luminaire Tested: **GLAN-SB3B-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847345  
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-SB3B-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 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: 7945 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

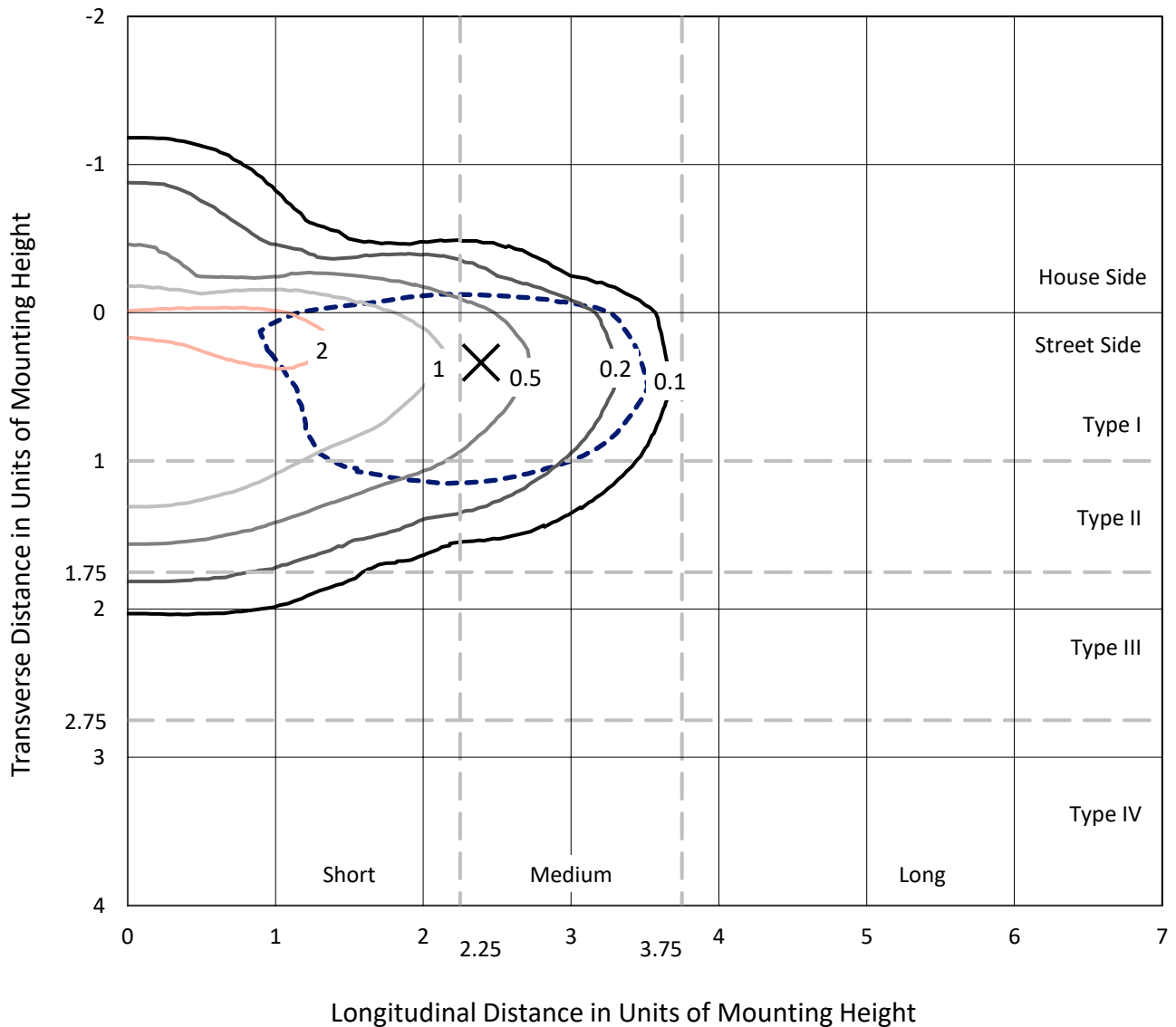
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

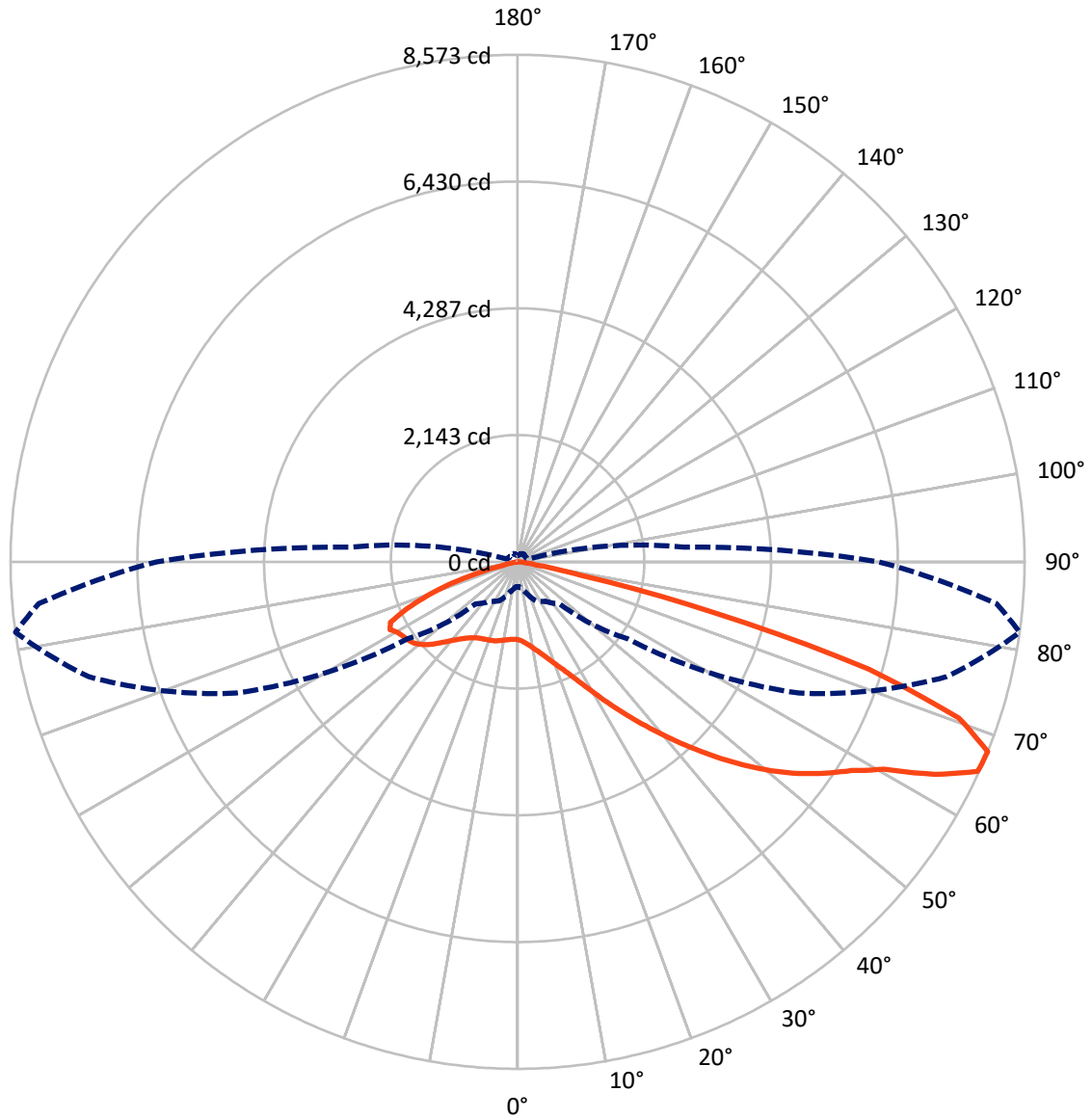
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	1439.2	0.0	1439.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	6505.8	0.0	6505.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	7945.0	0.0	7945.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	1.5
10°-20°	304.7	3.8
20°-30°	488.1	6.1
30°-40°	863.1	10.9
40°-50°	1512.2	19.0
50°-60°	2016.8	25.4
60°-70°	1877.5	23.6
70°-80°	720.6	9.1
80°-90°	44.8	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°	7945.0	100.0
0°-180°	7945.0	100.0

**Coefficient of Utilization**

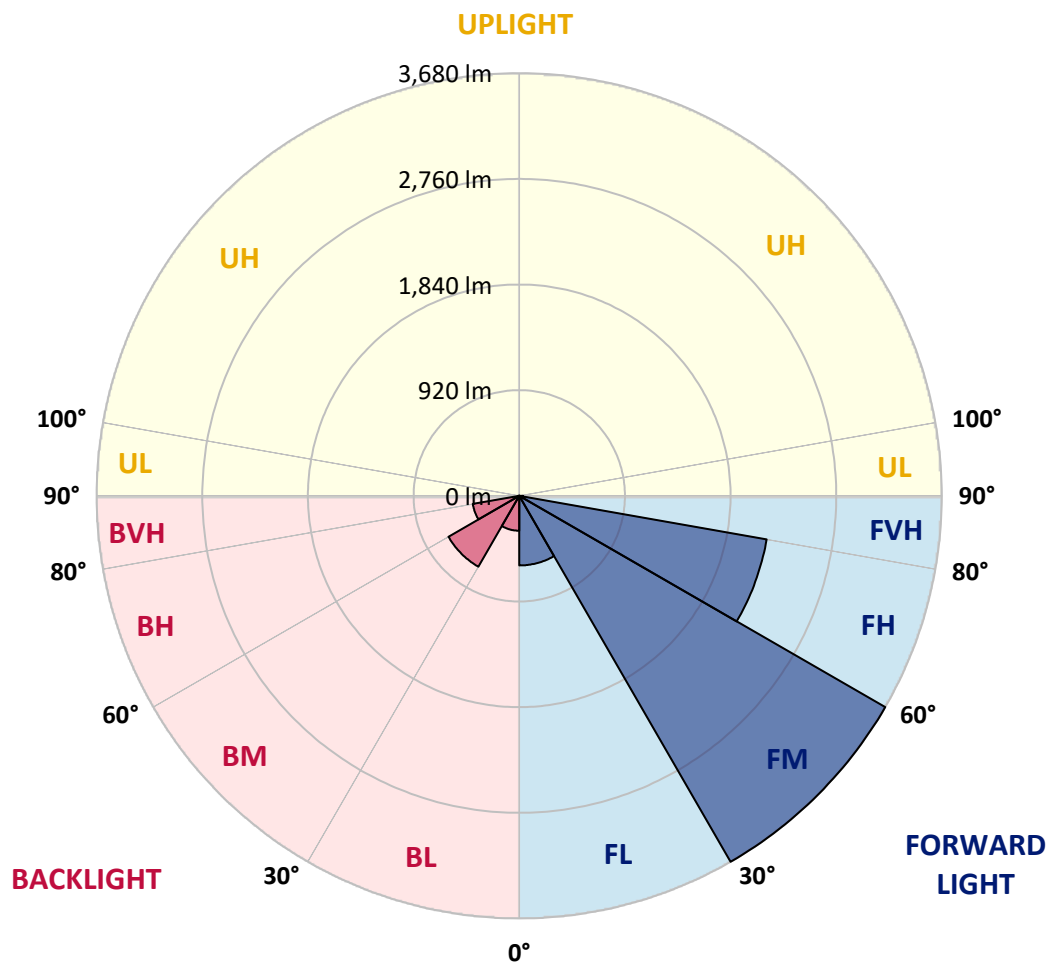


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.1	7.6			
FM (30°-60°)	3679.8	46.3			
FH (60°-80°)	2187.4	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°)	712.2	9.0	B1/1000		
BH (60°-80°)	410.8	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°	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2
2.5°	1391.2	1399.2	1394.6	1392.3	1388.3	1382.6	1378.0	1363.7	1348.8	1339.1
5°	1419.2	1427.2	1426.6	1428.9	1431.8	1433.5	1432.3	1416.3	1395.2	1378.6
7.5°	1395.2	1404.3	1411.7	1423.2	1443.2	1464.4	1474.7	1471.2	1449.5	1426.6
10°	1327.1	1336.8	1354.5	1381.4	1423.8	1469.5	1507.8	1525.6	1511.8	1486.7
12.5°	1202.4	1212.1	1247.0	1305.3	1376.3	1455.8	1529.0	1576.5	1579.9	1554.7
15°	1062.2	1072.0	1109.1	1182.4	1290.5	1418.0	1540.4	1630.3	1660.6	1638.8
17.5°	975.3	983.9	1011.9	1070.8	1183.5	1342.5	1536.4	1687.5	1756.7	1739.5
20°	949.0	956.4	969.6	1010.8	1104.6	1264.2	1510.1	1741.2	1860.2	1850.5
22.5°	977.0	983.9	987.9	1006.2	1065.1	1212.7	1477.0	1796.1	1980.3	1981.5
25°	1041.6	1048.5	1043.9	1055.4	1081.1	1196.7	1464.4	1860.8	2131.3	2143.9
27.5°	1148.0	1148.6	1137.7	1137.2	1141.2	1220.7	1477.5	1930.0	2321.8	2345.3
30°	1361.4	1352.8	1311.1	1265.9	1245.3	1292.8	1514.1	2011.8	2546.6	2588.4
32.5°	1690.3	1677.7	1601.1	1493.0	1384.3	1408.9	1579.9	2105.0	2791.5	2867.0
35°	2047.3	2043.8	1963.7	1803.0	1613.1	1574.2	1686.9	2227.4	3058.6	3178.7
37.5°	2379.0	2377.3	2331.6	2142.2	1911.1	1804.7	1858.5	2387.6	3344.6	3518.5
40°	2682.2	2687.3	2641.6	2472.3	2239.5	2100.5	2091.9	2585.5	3662.6	3888.6
42.5°	2944.2	2949.9	2903.6	2778.3	2563.8	2427.7	2378.5	2828.1	3973.2	4286.1
45°	3122.1	3157.5	3150.7	3050.6	2896.7	2755.4	2722.8	3132.4	4327.3	4707.7
47.5°	3172.4	3205.0	3256.5	3270.2	3176.4	3037.4	3076.3	3499.0	4685.4	5129.9
50°	3048.3	3078.6	3185.6	3328.0	3393.2	3350.3	3420.1	3892.0	5052.1	5550.9
52.5°	2803.5	2834.4	2969.4	3194.7	3460.7	3595.7	3765.0	4279.3	5407.3	5949.6
55°	2449.4	2482.0	2655.3	2910.4	3332.0	3697.0	4052.8	4666.0	5732.8	6308.2
57.5°	1967.7	1991.8	2172.0	2528.9	3008.3	3596.3	4265.0	5088.1	6039.4	6660.6
60°	1282.5	1303.6	1513.0	1911.1	2471.7	3259.9	4307.3	5558.9	6446.7	7118.8
62.5°	852.9	867.2	991.3	1283.6	1740.7	2614.1	4059.6	5934.7	7043.9	7916.2
65°	585.2	599.5	723.6	927.2	1124.6	1729.2	3347.5	5884.9	7585.0	8549.4
67.5°	417.6	429.6	534.8	727.0	814.0	1004.5	2269.2	5248.9	7507.2	8573.4
70°	299.2	306.0	393.0	566.3	647.0	603.5	1261.9	4014.4	6573.1	7916.8
72.5°	209.4	211.6	272.9	431.3	521.1	440.5	600.6	2676.5	4971.4	6213.9
75°	141.9	144.7	183.6	316.3	418.1	336.3	318.0	1435.2	2918.4	3439.6
77.5°	86.9	88.1	118.4	216.2	312.9	256.3	204.8	608.1	1129.2	1108.6
80°	49.2	49.2	75.5	134.4	213.4	165.3	143.6	258.6	357.5	314.0
82.5°	27.5	28.0	54.9	83.5	141.3	97.8	78.9	119.6	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°
1316.2	0°	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2
1335.7	2.5°	1324.8	1316.2	1294.5	1269.3	1236.1	1220.1	1198.4	1183.5	1170.9	1172.1
1368.8	5°	1350.5	1328.8	1280.2	1219.5	1144.0	1090.3	1033.1	993.6	961.6	954.7
1414.6	7.5°	1386.0	1351.7	1266.5	1157.2	1029.6	933.0	846.6	791.1	751.6	739.0
1470.1	10°	1431.8	1382.0	1248.7	1078.8	895.2	772.2	679.6	636.1	609.2	600.0
1535.3	12.5°	1485.0	1416.9	1225.3	983.3	756.8	638.4	579.5	557.7	549.1	546.3
1615.4	15°	1551.9	1460.4	1189.8	870.0	639.5	556.6	531.4	528.5	529.7	528.5
1711.5	17.5°	1631.4	1507.8	1132.0	753.4	560.6	514.8	505.7	508.0	510.8	510.2
1819.0	20°	1718.3	1554.7	1058.2	649.8	506.8	485.1	479.9	482.2	484.5	483.4
1943.2	22.5°	1817.3	1605.1	976.4	569.2	470.8	457.6	451.9	452.5	452.5	450.2
2100.5	25°	1935.7	1660.6	890.6	512.0	443.3	433.0	426.2	423.9	420.4	413.6
2291.5	27.5°	2077.0	1719.5	808.3	471.9	421.6	411.9	403.8	398.1	389.5	378.1
2520.9	30°	2236.0	1791.0	738.5	446.7	404.4	394.7	385.5	377.0	364.4	350.1
2784.6	32.5°	2423.1	1867.6	687.6	430.2	389.0	378.7	367.8	357.5	343.8	329.5
3080.9	35°	2646.2	1960.3	657.8	418.7	377.0	363.2	351.2	339.8	329.5	316.9
3402.9	37.5°	2888.1	2058.7	648.7	413.0	369.0	347.8	334.1	326.1	324.9	317.5
3751.3	40°	3153.0	2175.4	655.5	409.6	360.4	332.9	318.0	316.3	319.2	306.0
4123.7	42.5°	3433.3	2313.8	667.0	405.6	348.4	318.0	303.7	303.7	301.5	283.1
4517.2	45°	3736.4	2473.4	678.4	395.8	334.1	303.2	292.3	288.3	278.6	260.8
4913.1	47.5°	4041.9	2635.9	687.0	378.1	316.9	290.6	280.9	271.7	257.4	241.4
5301.5	50°	4331.9	2781.7	677.8	351.8	297.5	278.6	268.3	255.7	240.2	229.4
5669.3	52.5°	4591.0	2908.1	638.9	320.9	276.9	266.0	256.8	243.7	231.1	219.7
6001.1	55°	4816.4	3010.5	570.3	291.7	258.6	255.1	246.0	229.4	212.2	202.5
6330.0	57.5°	5032.6	3088.3	484.5	267.7	242.0	243.1	229.4	214.5	198.5	188.2
6773.3	60°	5320.4	3192.4	397.6	245.4	224.2	227.7	212.8	201.9	181.9	168.7
7533.5	62.5°	5780.3	3354.3	315.8	217.9	203.6	204.8	198.5	185.3	161.3	145.9
8096.9	65°	6145.2	3294.8	248.8	188.2	180.2	181.9	181.9	167.6	141.9	124.1
8127.3	67.5°	6104.0	2821.2	198.5	159.0	157.9	159.0	163.0	151.0	125.8	111.5
7508.3	70°	5623.0	2244.0	159.0	132.1	137.3	134.4	145.9	137.9	113.3	99.0
5820.9	72.5°	4588.2	1616.5	121.3	109.3	105.3	109.8	131.6	124.1	94.4	78.4
3083.2	75°	2681.1	862.6	90.4	86.4	76.1	91.5	116.7	105.8	72.1	57.8
945.0	77.5°	872.9	300.9	66.4	63.5	56.6	73.8	99.5	89.2	58.9	45.8
276.9	80°	234.0	91.0	45.2	41.8	36.6	54.9	78.9	70.9	42.3	29.7
119.0	82.5°	93.8	38.3	26.3	23.5	20.0	37.8	62.4	57.2	31.5	18.9
37.2	85°	30.3	12.6	9.7	7.4	9.2	23.5	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°
<hr/>
1316.2
1160.6
939.3
726.5
593.2
544.6
528.0
509.1
482.8
449.0
412.4
377.0
348.9
330.1
315.8
316.9
306.6
283.1
260.3
240.8
227.7
218.5
201.4
187.1
167.0
144.7
122.4
109.3
97.2
76.7
56.1
44.0
29.2
18.9
7.4
0.0
0.0

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