

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: P846613

Luminaire Tested: **GLAN-SB2B-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

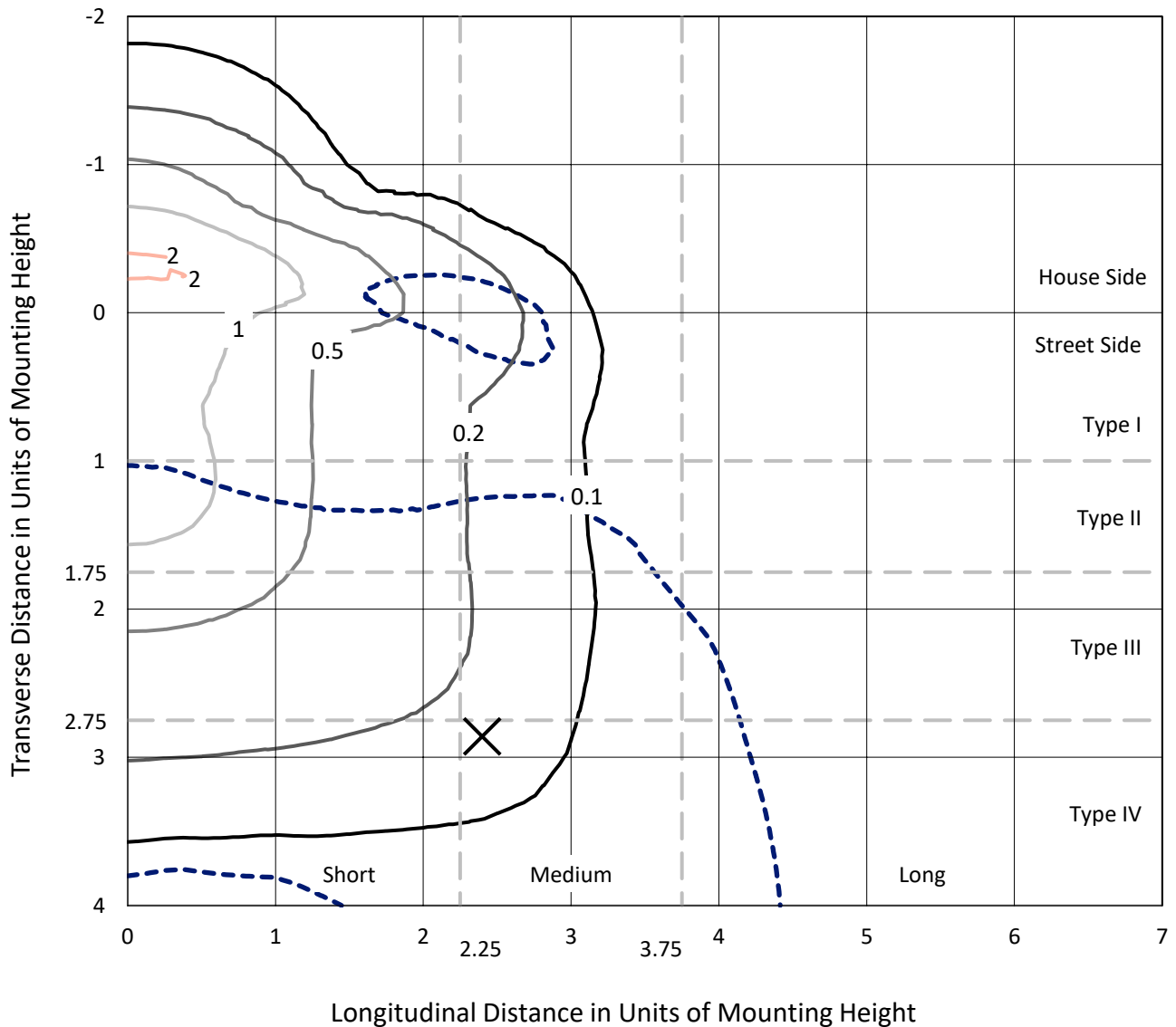
Lumens per Lamp: N/A  
Luminaire Lumens: 8900 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

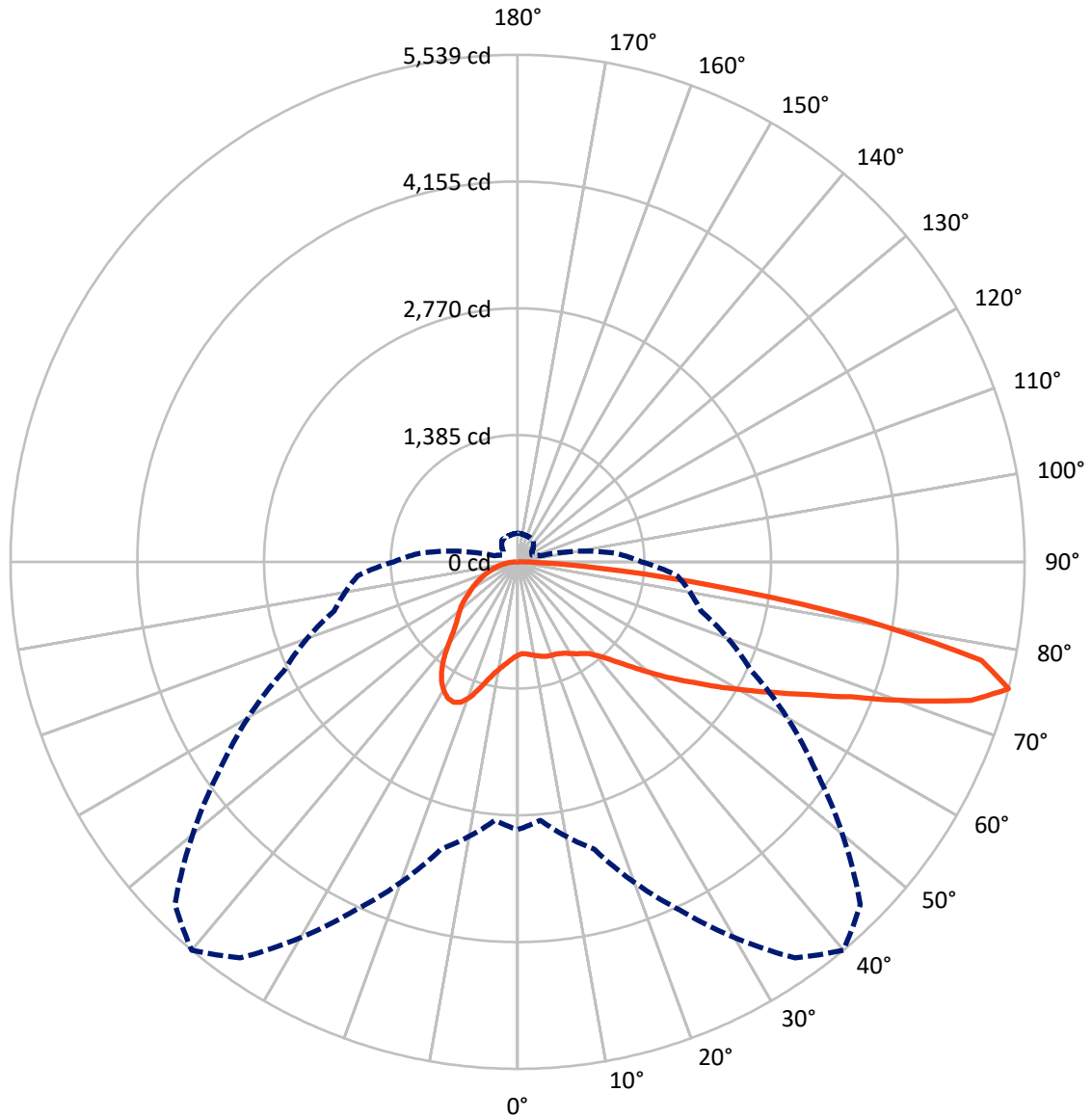
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2757.5	0.0	2757.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	6142.5	0.0	6142.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	8900.0	0.0	8900.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	1.1
10°-20°	341.1	3.8
20°-30°	622.8	7.0
30°-40°	883.3	9.9
40°-50°	1192.7	13.4
50°-60°	1604.5	18.0
60°-70°	2036.5	22.9
70°-80°	1848.2	20.8
80°-90°	269.4	3.0
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°	8900.0	100.0
0°-180°	8900.0	100.0

**Coefficient of Utilization**

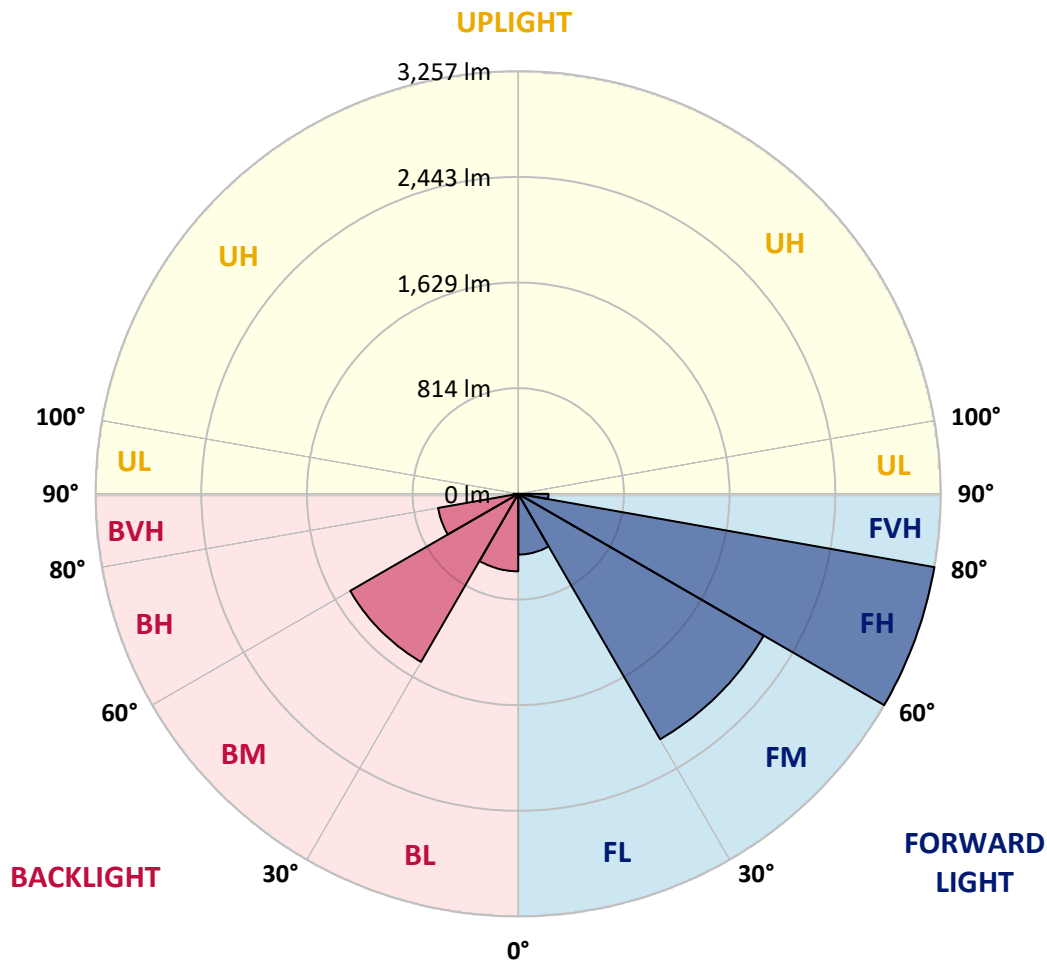


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.1	5.3			
FM (30°-60°)	2184.7	24.5			
FH (60°-80°)	3257.3	36.6			G2/5000
FVH (80°-90°)	232.3	2.6			G3/500
BL (0°-30°)	597.3	6.7	B2/1000		
BM (30°-60°)	1495.7	16.8	B2/2500		
BH (60°-80°)	627.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	37.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7
2.5°	1002.1	1007.8	1006.4	1004.5	1004.5	1005.0	1004.5	1007.8	1011.1	1014.4
5°	1012.5	1018.2	1015.4	1013.0	1011.1	1010.6	1009.2	1008.8	1010.6	1014.9
7.5°	1032.8	1038.5	1034.2	1030.0	1026.2	1024.3	1022.4	1019.6	1018.2	1020.6
10°	1055.5	1061.2	1056.0	1048.4	1042.3	1039.9	1038.0	1035.2	1033.3	1034.7
12.5°	1078.1	1083.8	1076.7	1066.3	1058.3	1056.9	1054.5	1053.6	1053.1	1052.7
15°	1099.4	1104.1	1095.1	1082.9	1074.4	1072.0	1069.7	1071.1	1073.4	1076.3
17.5°	1115.9	1120.6	1107.4	1091.4	1083.3	1082.4	1081.0	1085.7	1092.3	1099.4
20°	1131.0	1135.7	1118.7	1097.0	1087.6	1087.6	1088.1	1098.0	1107.4	1117.8
22.5°	1152.3	1156.0	1135.3	1105.5	1091.8	1092.8	1096.6	1106.5	1118.3	1132.4
25°	1183.9	1186.7	1161.2	1121.6	1106.0	1108.8	1112.1	1116.9	1128.2	1144.7
27.5°	1234.9	1237.2	1203.7	1149.9	1126.3	1131.0	1135.7	1132.4	1137.6	1151.8
30°	1306.6	1308.0	1265.5	1194.3	1160.8	1163.1	1164.1	1150.4	1140.5	1151.8
32.5°	1391.6	1391.1	1340.6	1248.1	1199.9	1197.6	1189.6	1162.6	1139.5	1149.4
35°	1523.3	1518.1	1453.0	1323.6	1244.3	1229.7	1210.8	1176.3	1144.2	1147.1
37.5°	1741.4	1725.3	1635.2	1447.3	1310.4	1273.1	1245.3	1198.5	1154.6	1146.1
40°	1987.3	1967.0	1867.9	1616.8	1409.5	1349.6	1304.7	1230.1	1171.6	1150.4
42.5°	2279.0	2250.2	2143.6	1816.4	1535.1	1448.2	1380.7	1270.3	1196.6	1164.1
45°	2637.3	2599.1	2448.0	2041.6	1693.2	1577.6	1487.4	1331.2	1234.9	1190.5
47.5°	2999.4	3008.8	2794.0	2299.3	1883.0	1737.1	1621.0	1422.7	1290.6	1233.0
50°	3384.1	3390.7	3138.1	2584.9	2098.2	1917.4	1771.1	1525.2	1368.0	1293.4
52.5°	3684.3	3685.2	3450.6	2883.7	2322.5	2115.7	1933.0	1642.2	1457.7	1373.6
55°	3872.2	3869.8	3669.7	3166.5	2580.2	2323.9	2112.4	1775.4	1567.2	1468.1
57.5°	4008.6	4001.5	3820.7	3409.6	2854.9	2569.8	2315.4	1926.4	1696.5	1580.4
60°	4060.5	4056.3	3923.2	3619.6	3143.8	2841.7	2549.5	2095.4	1843.3	1713.0
62.5°	4080.3	4088.4	4023.7	3823.1	3453.0	3142.9	2806.8	2297.4	2008.5	1863.2
65°	4150.2	4164.8	4151.6	4089.3	3802.3	3495.5	3148.1	2537.7	2188.9	2024.1
67.5°	4288.5	4303.2	4308.8	4407.9	4229.0	3935.0	3573.8	2837.0	2399.9	2191.2
70°	4285.2	4281.0	4381.0	4661.4	4763.4	4543.4	4147.9	3205.2	2651.5	2330.0
72.5°	3900.5	3866.5	4103.0	4658.6	5208.1	5178.8	4848.8	3680.1	2868.6	2347.0
75°	2926.2	2835.6	3253.3	4198.4	5282.2	5539.4	5294.4	3974.6	2817.2	2073.7
77.5°	1251.4	1160.3	1652.6	3107.9	4727.5	5178.3	4885.7	3467.6	2248.8	1371.3
80°	327.6	327.1	499.4	1409.1	3215.1	3824.0	3354.8	2239.4	1284.9	490.0
82.5°	135.5	132.2	183.6	548.0	1571.0	2145.9	1751.3	998.8	464.0	132.6
85°	50.5	50.0	89.2	189.3	554.2	885.1	640.6	255.4	115.7	64.7
87.5°	14.2	13.7	19.4	65.6	135.0	204.9	109.5	42.0	32.6	25.5
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°
1017.7	0°	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7
1019.6	2.5°	1021.0	1023.4	1027.6	1030.9	1035.2	1039.9	1046.5	1050.8	1055.0	1057.9
1022.0	5°	1025.3	1030.5	1041.3	1052.2	1064.9	1076.7	1090.4	1100.3	1108.4	1110.7
1030.5	7.5°	1034.7	1043.2	1061.6	1080.0	1100.3	1119.7	1139.5	1156.5	1170.2	1175.4
1045.6	10°	1051.2	1062.6	1088.5	1114.5	1141.4	1171.1	1196.6	1221.2	1240.5	1248.6
1063.5	12.5°	1072.0	1086.2	1120.2	1156.0	1193.3	1234.4	1267.4	1297.6	1321.7	1332.6
1088.5	15°	1098.9	1117.3	1160.8	1208.9	1263.7	1320.8	1362.8	1396.3	1423.2	1436.4
1114.5	17.5°	1128.2	1152.7	1207.5	1280.2	1358.5	1433.6	1482.7	1507.2	1535.1	1547.8
1138.6	20°	1156.5	1186.7	1265.1	1370.8	1475.1	1554.9	1594.6	1601.2	1603.1	1604.5
1161.2	22.5°	1185.8	1226.4	1337.3	1485.1	1596.9	1652.2	1657.8	1629.5	1589.8	1571.4
1183.4	25°	1217.9	1271.7	1431.7	1611.1	1701.7	1708.3	1664.9	1596.0	1520.9	1486.5
1201.4	27.5°	1249.0	1324.1	1545.0	1731.5	1777.2	1719.2	1625.7	1528.0	1437.4	1401.0
1214.1	30°	1280.2	1384.0	1670.1	1836.7	1811.7	1692.3	1563.9	1454.8	1363.7	1325.5
1225.4	32.5°	1311.8	1453.9	1814.1	1912.7	1805.6	1635.2	1486.9	1372.7	1292.5	1252.3
1235.3	35°	1347.7	1539.8	1950.5	1954.3	1764.5	1551.1	1385.4	1274.5	1204.7	1172.6
1247.1	37.5°	1394.4	1648.8	2070.9	1964.6	1692.7	1427.9	1259.4	1158.4	1100.8	1086.2
1264.6	40°	1452.5	1780.1	2162.9	1948.1	1586.5	1278.3	1121.6	1040.9	1008.3	1011.6
1288.2	42.5°	1528.0	1926.9	2227.6	1905.6	1438.8	1123.9	1000.7	964.9	980.4	993.7
1323.6	45°	1626.2	2079.4	2267.7	1833.4	1271.7	993.2	929.5	938.0	949.8	951.2
1380.7	47.5°	1751.8	2233.7	2294.1	1724.4	1101.3	901.1	884.1	886.0	883.7	873.8
1466.2	50°	1908.5	2383.8	2317.7	1579.9	956.4	843.5	820.9	814.3	781.7	749.6
1579.9	52.5°	2086.9	2521.7	2327.6	1400.6	843.5	795.4	758.6	717.0	656.1	646.2
1723.0	55°	2285.2	2649.1	2302.2	1180.1	748.7	733.6	677.9	627.8	621.2	612.7
1911.3	57.5°	2522.1	2786.5	2250.2	934.2	651.4	661.3	607.0	612.7	600.9	587.7
2153.5	60°	2781.3	2928.6	2159.1	710.0	550.9	571.2	588.6	588.2	584.9	574.0
2408.8	62.5°	3014.5	3022.0	1979.8	543.8	462.6	501.3	549.0	548.5	545.7	539.5
2675.5	65°	3153.3	3007.9	1680.5	428.1	389.9	443.7	495.2	499.0	499.4	499.0
2876.2	67.5°	3128.7	2842.2	1269.8	340.8	330.0	385.2	441.8	447.0	450.8	451.7
2901.7	70°	2851.1	2478.2	828.0	271.9	276.6	333.7	391.3	396.5	399.8	403.6
2517.9	72.5°	2222.4	1822.1	473.9	220.0	229.9	289.4	341.3	347.4	349.3	356.4
1752.2	75°	1354.3	1071.5	255.8	173.2	188.8	247.4	291.7	298.8	302.1	310.6
860.5	77.5°	643.9	464.0	145.9	135.0	152.0	202.0	246.4	254.4	245.5	250.2
237.4	80°	217.6	172.3	92.0	102.9	116.1	157.7	197.3	205.3	186.5	185.5
78.8	82.5°	76.0	69.9	58.5	68.4	75.1	112.8	149.2	159.6	138.8	138.3
35.4	85°	29.7	28.3	32.6	37.3	44.8	69.4	98.2	103.4	85.4	68.9
10.4	87.5°	6.1	6.6	8.0	8.5	13.7	24.1	35.4	43.4	34.5	29.3
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°
1017.7
1056.0
1111.7
1175.9
1249.0
1332.6
1435.5
1547.4
1608.3
1576.6
1491.7
1405.3
1329.7
1257.5
1179.6
1096.6
1022.9
1005.9
960.6
881.3
753.9
649.5
614.1
585.3
570.2
537.2
499.0
452.7
405.5
359.2
311.5
246.4
183.6
131.7
68.0
26.9
0.0

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