

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: P846833

Luminaire Tested: **GLAN-SB2C-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846833  
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-SB2C-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9561 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

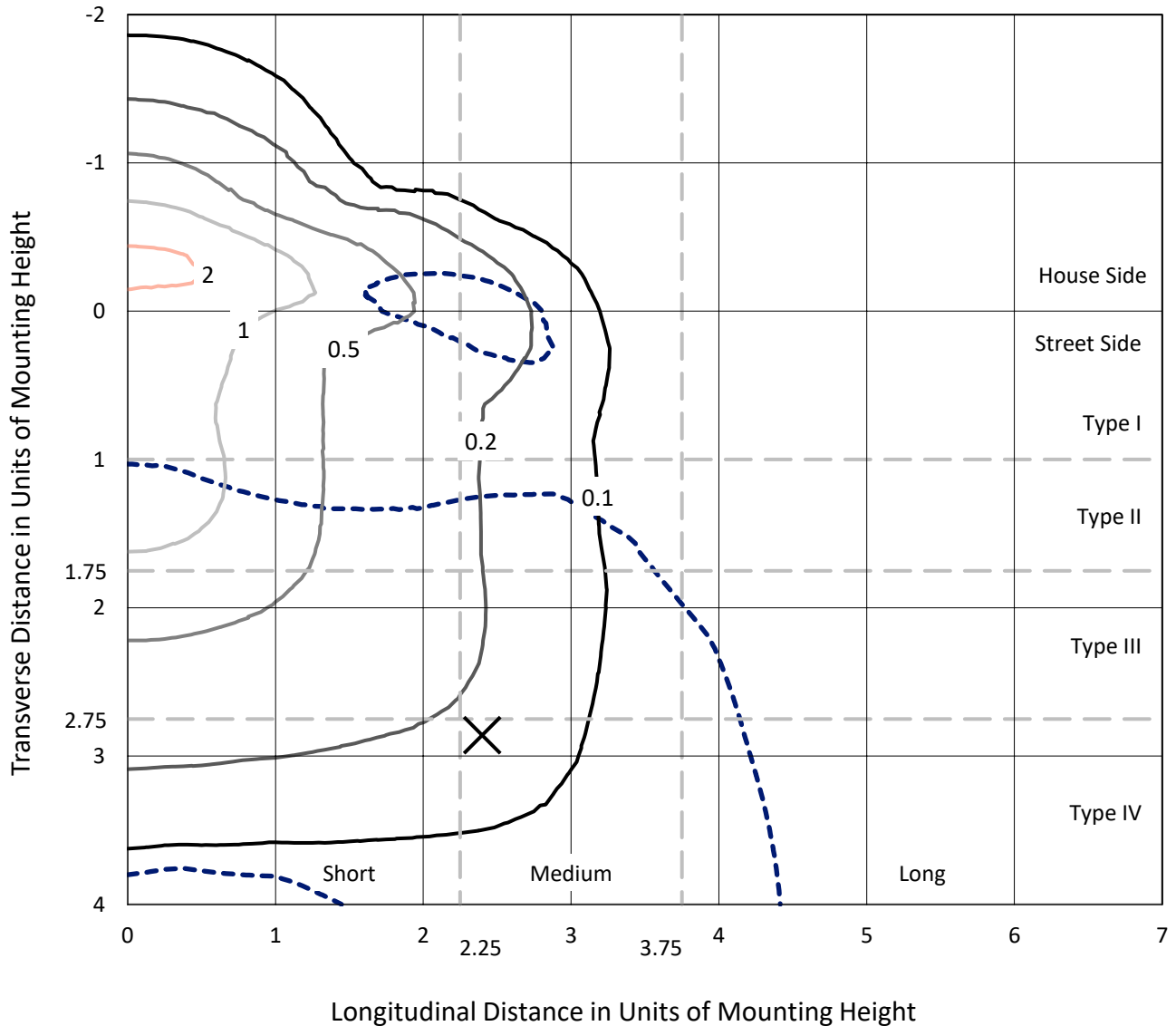
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

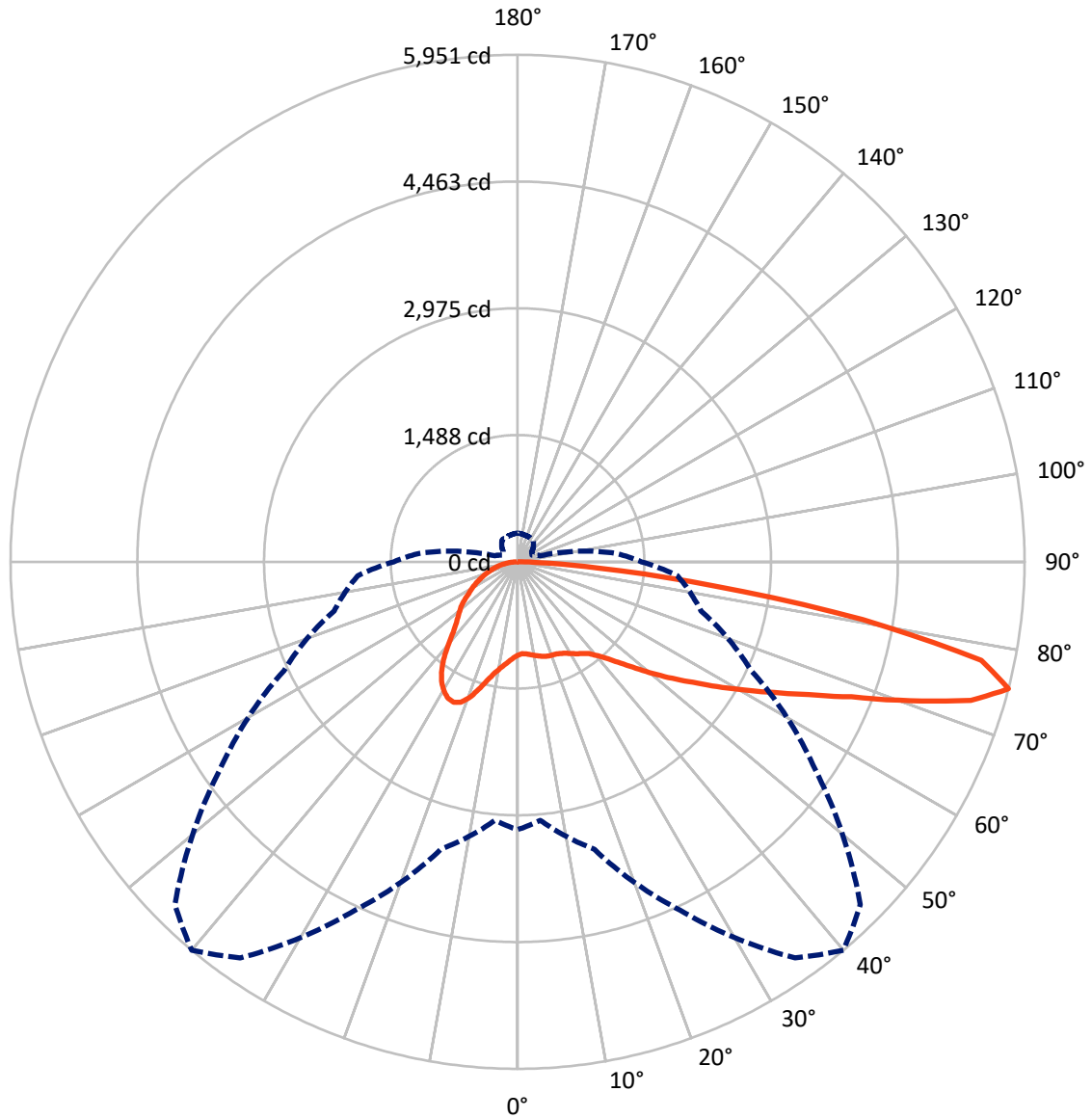
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	2962.3	0.0	2962.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	6598.7	0.0	6598.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	9561.0	0.0	9561.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.1	1.1
10°-20°	366.4	3.8
20°-30°	669.0	7.0
30°-40°	948.9	9.9
40°-50°	1281.3	13.4
50°-60°	1723.7	18.0
60°-70°	2187.7	22.9
70°-80°	1985.5	20.8
80°-90°	289.4	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°	9561.0	100.0
0°-180°	9561.0	100.0

**Coefficient of Utilization**



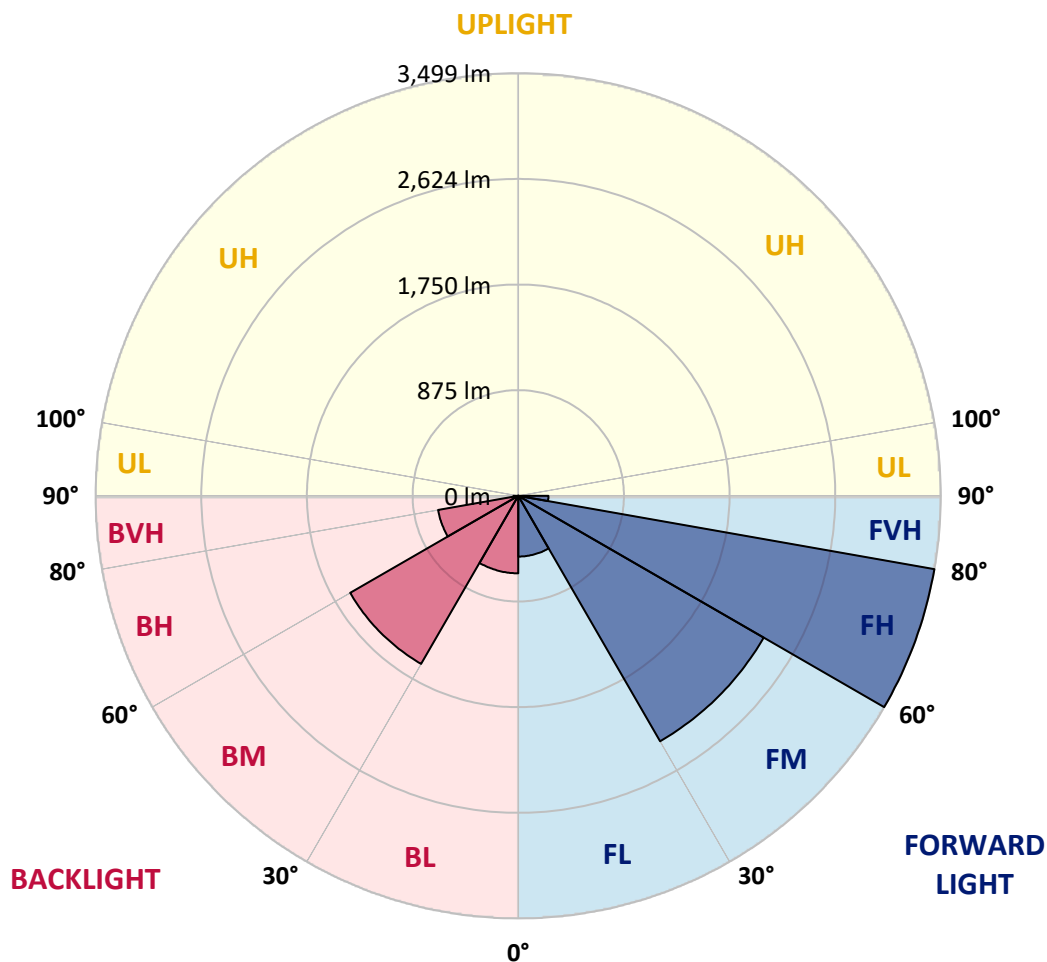
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.9	5.3			
FM (30°-60°)	2347.0	24.5			
FH (60°-80°)	3499.2	36.6			G2/5000
FVH (80°-90°)	249.6	2.6			G3/500
BL (0°-30°)	641.7	6.7	B2/1000		
BM (30°-60°)	1606.8	16.8	B2/2500		
BH (60°-80°)	674.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	39.8	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°	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3
2.5°	1076.6	1082.7	1081.1	1079.1	1079.1	1079.6	1079.1	1082.7	1086.2	1089.8
5°	1087.7	1093.8	1090.8	1088.2	1086.2	1085.7	1084.2	1083.7	1085.7	1090.3
7.5°	1109.5	1115.6	1111.1	1106.5	1102.4	1100.4	1098.4	1095.3	1093.8	1096.4
10°	1133.9	1140.0	1134.4	1126.3	1119.7	1117.1	1115.1	1112.1	1110.0	1111.6
12.5°	1158.2	1164.3	1156.7	1145.5	1136.9	1135.4	1132.9	1131.9	1131.3	1130.8
15°	1181.0	1186.1	1176.5	1163.3	1154.2	1151.6	1149.1	1150.6	1153.2	1156.2
17.5°	1198.8	1203.9	1189.7	1172.4	1163.8	1162.8	1161.3	1166.3	1173.4	1181.0
20°	1215.0	1220.1	1201.8	1178.5	1168.4	1168.4	1168.9	1179.5	1189.7	1200.8
22.5°	1237.8	1241.9	1219.6	1187.6	1172.9	1173.9	1178.0	1188.6	1201.3	1216.5
25°	1271.8	1274.9	1247.5	1204.9	1188.1	1191.2	1194.7	1199.8	1212.0	1229.7
27.5°	1326.6	1329.1	1293.1	1235.3	1209.9	1215.0	1220.1	1216.5	1222.1	1237.3
30°	1403.7	1405.2	1359.5	1283.0	1247.0	1249.5	1250.5	1235.8	1225.2	1237.3
32.5°	1494.9	1494.4	1440.2	1340.8	1289.1	1286.5	1277.9	1249.0	1224.1	1234.8
35°	1636.4	1630.8	1560.9	1421.9	1336.7	1321.0	1300.7	1263.7	1229.2	1232.3
37.5°	1870.7	1853.5	1756.6	1554.8	1407.7	1367.7	1337.7	1287.5	1240.4	1231.2
40°	2134.9	2113.1	2006.6	1736.8	1514.2	1449.8	1401.6	1321.5	1258.6	1235.8
42.5°	2448.3	2417.4	2302.8	1951.3	1649.1	1555.8	1483.3	1364.6	1285.5	1250.5
45°	2833.2	2792.1	2629.8	2193.2	1819.0	1694.7	1597.9	1430.0	1326.6	1278.9
47.5°	3222.1	3232.3	3001.5	2470.1	2022.8	1866.1	1741.4	1528.4	1386.4	1324.6
50°	3635.4	3642.5	3371.2	2776.9	2254.1	2059.9	1902.6	1638.4	1469.6	1389.5
52.5°	3957.9	3958.9	3706.9	3097.9	2494.9	2272.8	2076.6	1764.2	1565.9	1475.7
55°	4159.8	4157.2	3942.2	3401.6	2771.8	2496.5	2269.3	1907.2	1683.6	1577.1
57.5°	4306.3	4298.7	4104.5	3662.8	3067.0	2760.7	2487.3	2069.5	1822.5	1697.8
60°	4362.1	4357.5	4214.5	3888.5	3377.3	3052.8	2738.9	2251.0	1980.2	1840.3
62.5°	4383.4	4392.0	4322.5	4107.0	3709.5	3376.3	3015.2	2468.1	2157.7	2001.5
65°	4458.4	4474.2	4460.0	4393.0	4084.7	3755.1	3381.9	2726.2	2351.4	2174.5
67.5°	4607.0	4622.7	4628.8	4735.3	4543.1	4227.2	3839.3	3047.7	2578.1	2354.0
70°	4603.5	4598.9	4706.4	5007.6	5117.2	4880.9	4455.9	3443.2	2848.4	2503.1
72.5°	4190.2	4153.7	4407.7	5004.6	5594.9	5563.4	5209.0	3953.4	3081.7	2521.3
75°	3143.5	3046.2	3495.0	4510.2	5674.5	5950.8	5687.7	4269.8	3026.4	2227.7
77.5°	1344.3	1246.5	1775.4	3338.8	5078.6	5562.9	5248.5	3725.2	2415.8	1473.1
80°	351.9	351.4	536.5	1513.7	3453.9	4108.0	3604.0	2405.7	1380.3	526.4
82.5°	145.5	142.0	197.3	588.7	1687.6	2305.3	1881.4	1073.0	498.5	142.5
85°	54.3	53.8	95.8	203.3	595.3	950.8	688.1	274.3	124.2	69.5
87.5°	15.2	14.7	20.8	70.5	145.0	220.1	117.6	45.1	35.0	27.4
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°
1093.3	0°	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3
1095.3	2.5°	1096.9	1099.4	1104.0	1107.5	1112.1	1117.1	1124.2	1128.8	1133.4	1136.4
1097.9	5°	1101.4	1107.0	1118.7	1130.3	1144.0	1156.7	1171.4	1182.1	1190.7	1193.2
1107.0	7.5°	1111.6	1120.7	1140.5	1160.3	1182.1	1202.8	1224.1	1242.4	1257.1	1262.7
1123.2	10°	1129.3	1141.5	1169.4	1197.3	1226.2	1258.1	1285.5	1311.9	1332.7	1341.3
1142.5	12.5°	1151.6	1166.8	1203.4	1241.9	1282.0	1326.1	1361.6	1394.0	1419.9	1431.6
1169.4	15°	1180.5	1200.3	1247.0	1298.7	1357.5	1418.9	1464.0	1500.0	1528.9	1543.1
1197.3	17.5°	1212.0	1238.3	1297.2	1375.3	1459.4	1540.1	1592.8	1619.2	1649.1	1662.8
1223.1	20°	1242.4	1274.9	1359.0	1472.6	1584.7	1670.4	1713.0	1720.1	1722.1	1723.6
1247.5	22.5°	1273.8	1317.5	1436.6	1595.3	1715.5	1774.9	1780.9	1750.5	1707.9	1688.1
1271.3	25°	1308.3	1366.1	1538.0	1730.7	1828.1	1835.2	1788.6	1714.5	1633.9	1596.9
1290.6	27.5°	1341.8	1422.4	1659.7	1860.1	1909.2	1846.9	1746.5	1641.5	1544.1	1505.1
1304.3	30°	1375.3	1486.8	1794.1	1973.1	1946.3	1818.0	1680.0	1562.9	1465.0	1423.9
1316.4	32.5°	1409.2	1561.9	1948.8	2054.8	1939.7	1756.6	1597.4	1474.7	1388.4	1345.3
1327.1	35°	1447.8	1654.2	2095.3	2099.4	1895.5	1666.3	1488.3	1369.2	1294.1	1259.6
1339.8	37.5°	1498.0	1771.3	2224.7	2110.6	1818.5	1534.0	1352.9	1244.4	1182.6	1166.8
1358.5	40°	1560.4	1912.3	2323.5	2092.8	1704.4	1373.2	1204.9	1118.2	1083.2	1086.7
1383.9	42.5°	1641.5	2070.0	2393.0	2047.2	1545.6	1207.4	1075.1	1036.5	1053.3	1067.5
1421.9	45°	1747.0	2233.8	2436.1	1969.6	1366.1	1066.9	998.5	1007.6	1020.3	1021.8
1483.3	47.5°	1881.9	2399.6	2464.5	1852.4	1183.1	968.1	949.8	951.8	949.3	938.6
1575.1	50°	2050.2	2560.9	2489.9	1697.3	1027.4	906.2	881.9	874.8	839.8	805.3
1697.3	52.5°	2241.9	2708.9	2500.5	1504.6	906.2	854.5	814.9	770.3	704.9	694.2
1850.9	55°	2454.9	2845.9	2473.1	1267.8	804.3	788.0	728.2	674.4	667.3	658.2
2053.3	57.5°	2709.4	2993.4	2417.4	1003.6	699.8	710.5	652.1	658.2	645.5	631.3
2313.4	60°	2987.8	3146.1	2319.5	762.7	591.8	613.6	632.4	631.8	628.3	616.6
2587.7	62.5°	3238.4	3246.5	2126.8	584.2	497.0	538.5	589.8	589.3	586.2	579.6
2874.3	65°	3387.4	3231.3	1805.3	459.9	418.9	476.7	532.0	536.0	536.5	536.0
3089.8	67.5°	3361.1	3053.3	1364.1	366.1	354.5	413.8	474.6	480.2	484.3	485.3
3117.2	70°	3062.9	2662.3	889.5	292.1	297.2	358.5	420.4	426.0	429.5	433.6
2704.9	72.5°	2387.4	1957.4	509.1	236.3	247.0	310.9	366.6	373.2	375.3	382.9
1882.4	75°	1454.9	1151.1	274.8	186.1	202.8	265.7	313.4	321.0	324.5	333.7
924.4	77.5°	691.7	498.5	156.7	145.0	163.3	217.0	264.7	273.3	263.7	268.8
255.1	80°	233.8	185.1	98.9	110.5	124.7	169.4	212.0	220.6	200.3	199.3
84.7	82.5°	81.6	75.1	62.9	73.5	80.6	121.2	160.2	171.4	149.1	148.6
38.0	85°	31.9	30.4	35.0	40.1	48.2	74.5	105.5	111.1	91.8	74.0
11.2	87.5°	6.6	7.1	8.6	9.1	14.7	25.9	38.0	46.7	37.0	31.4
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°
1093.3
1134.4
1194.2
1263.2
1341.8
1431.6
1542.1
1662.3
1727.7
1693.7
1602.4
1509.6
1428.5
1350.9
1267.2
1178.0
1098.9
1080.6
1032.0
946.8
809.8
697.8
659.7
628.8
612.6
577.1
536.0
486.3
435.6
385.9
334.7
264.7
197.3
141.5
73.0
28.9
0.0

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