

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: P852199

Luminaire Tested: **GLAN-SB2A-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7069 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

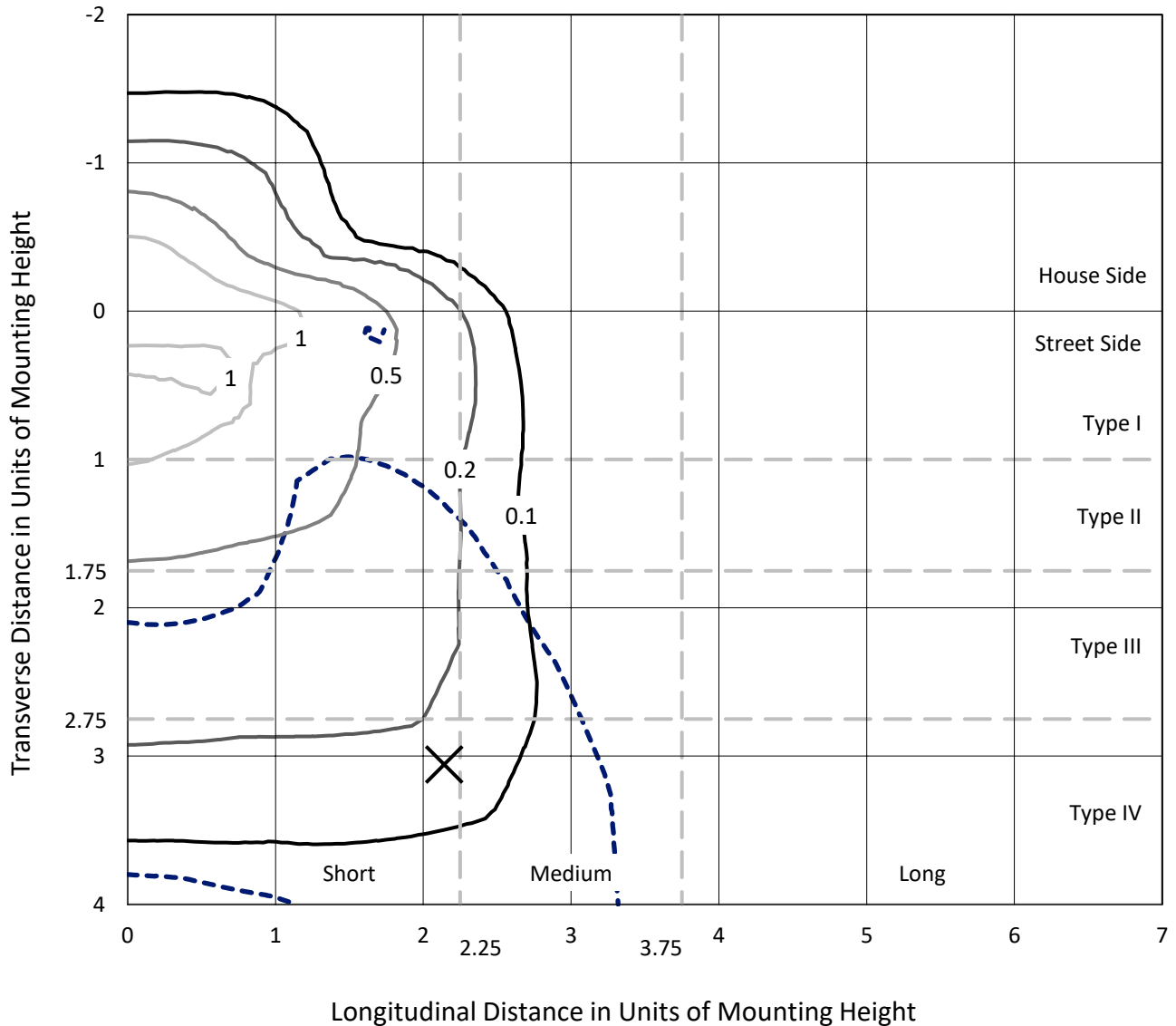
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

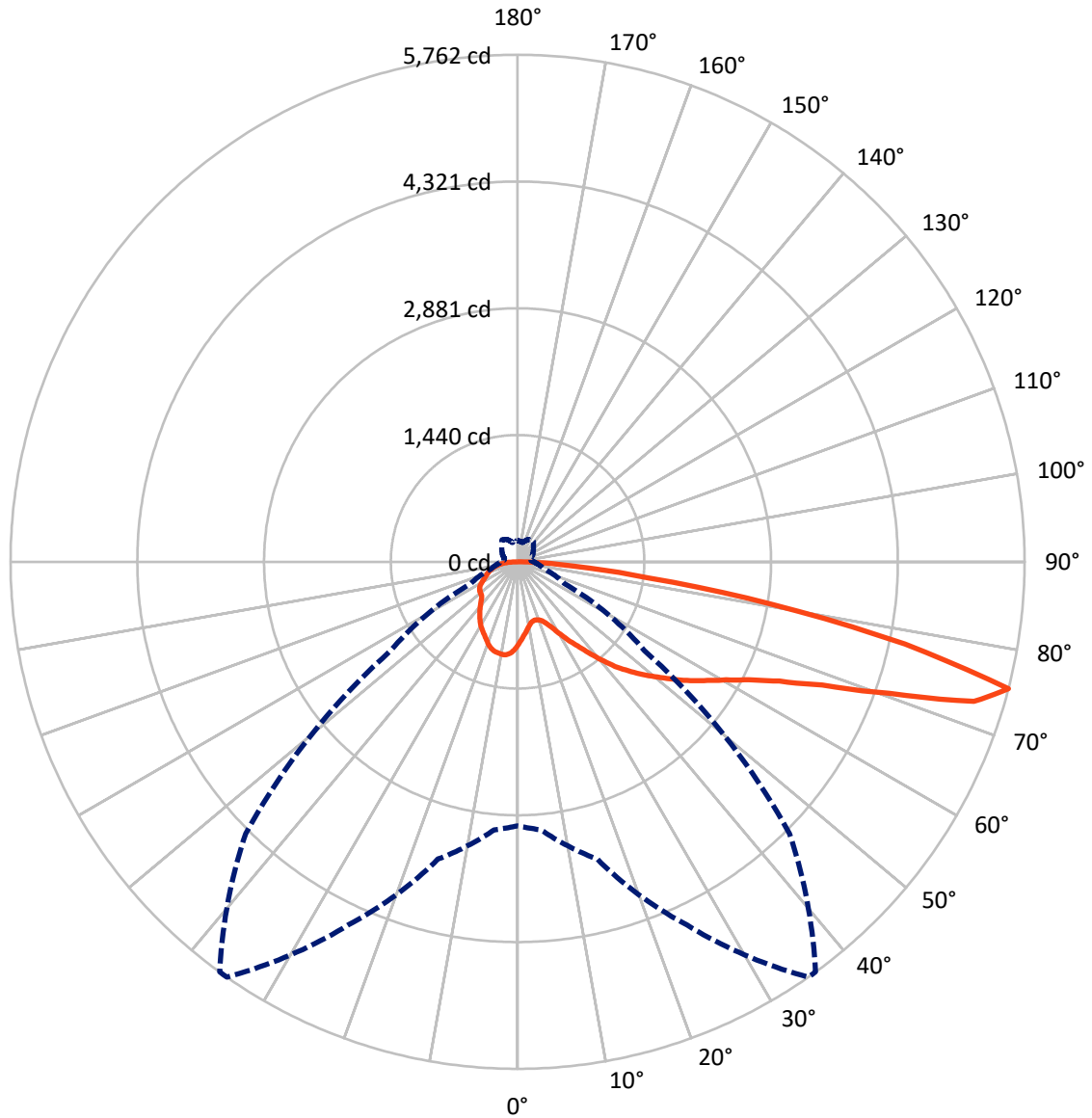
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1682.2	0.0	1682.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5386.7	0.0	5386.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	7069.0	0.0	7069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	1.3
10°-20°	257.3	3.6
20°-30°	432.0	6.1
30°-40°	671.4	9.5
40°-50°	996.5	14.1
50°-60°	1375.8	19.5
60°-70°	1669.1	23.6
70°-80°	1379.4	19.5
80°-90°	198.4	2.8
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°	7069.0	100.0
0°-180°	7069.0	100.0

Coefficient of Utilization

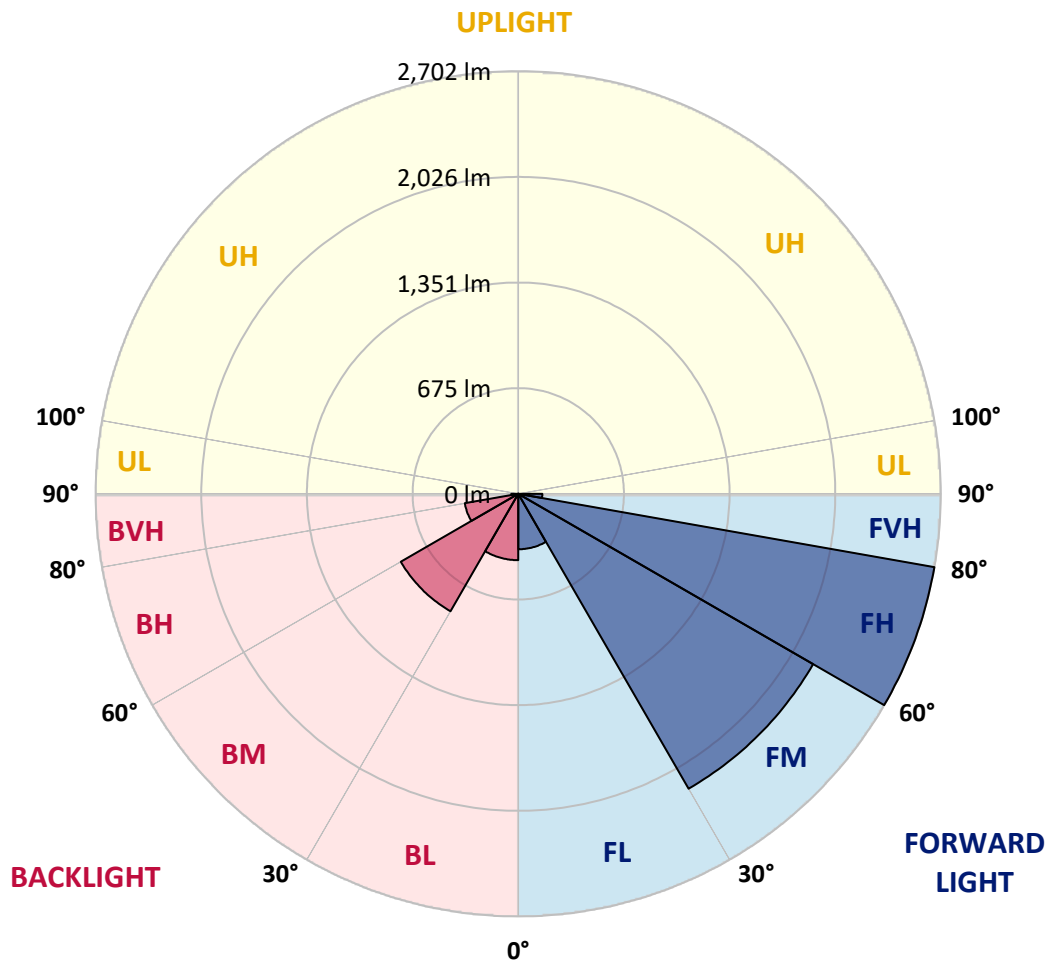


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.5	5.0			
FM (30°-60°)	2176.9	30.8			
FH (60°-80°)	2701.7	38.2			G2/5000
FVH (80°-90°)	153.7	2.2			G2/225
BL (0°-30°)	423.9	6.0	B1/500		
BM (30°-60°)	866.8	12.3	B1/1000		
BH (60°-80°)	346.8	4.9	B1/500		G1/500
BVH (80°-90°)	44.7	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
2.5°	868.6	874.0	876.3	875.1	880.8	880.1	888.1	898.0	911.8	925.2
5°	801.7	807.5	812.4	817.0	828.1	831.6	844.2	863.3	888.5	914.1
7.5°	739.5	744.4	752.1	760.5	779.2	782.6	803.7	833.5	868.6	906.1
10°	688.6	693.6	701.6	711.2	734.5	738.7	765.4	805.2	851.0	898.4
12.5°	666.8	668.4	673.0	682.5	702.8	705.4	734.9	780.3	833.8	892.7
15°	665.7	668.8	669.1	674.1	690.9	692.1	719.2	764.3	823.1	891.5
17.5°	677.2	679.5	676.0	679.1	693.2	695.1	716.5	756.7	819.7	896.5
20°	707.7	709.6	699.3	695.1	705.4	707.0	728.0	761.6	823.1	906.8
22.5°	772.7	773.8	748.6	731.4	732.2	733.0	751.3	781.9	836.5	925.6
25°	874.0	873.2	833.1	799.8	780.7	776.5	788.8	814.7	859.1	950.4
27.5°	992.4	986.7	946.6	896.9	855.2	849.1	846.5	857.5	891.2	983.3
30°	1126.2	1120.8	1077.7	1012.7	955.0	945.0	919.8	914.1	938.9	1028.0
32.5°	1272.9	1269.5	1217.9	1139.2	1062.0	1050.5	1008.1	992.8	1012.3	1095.6
35°	1396.0	1392.9	1350.1	1269.1	1174.7	1160.6	1117.4	1100.2	1110.1	1182.4
37.5°	1507.2	1505.7	1469.0	1405.2	1307.7	1290.5	1242.0	1236.2	1234.3	1296.6
40°	1610.4	1606.5	1568.3	1534.7	1462.5	1446.8	1404.0	1399.0	1384.5	1437.3
42.5°	1724.6	1714.7	1659.3	1643.6	1624.1	1611.1	1585.5	1586.3	1554.2	1595.8
45°	1817.9	1812.1	1755.2	1746.0	1767.0	1761.7	1783.9	1789.6	1727.3	1762.1
47.5°	1918.0	1912.6	1864.5	1858.0	1914.9	1916.5	1994.8	1996.7	1896.2	1934.8
50°	2041.4	2033.8	1986.0	1994.0	2057.9	2063.6	2206.9	2193.9	2051.7	2110.2
52.5°	2122.8	2127.4	2117.1	2130.1	2217.2	2222.6	2415.6	2382.3	2205.8	2283.3
55°	2182.8	2192.0	2224.1	2253.9	2385.4	2390.7	2612.4	2561.5	2333.4	2443.8
57.5°	2260.0	2247.0	2307.0	2365.1	2545.1	2559.2	2803.8	2734.3	2446.5	2582.2
60°	2370.8	2361.7	2408.3	2494.3	2723.9	2746.5	3006.3	2889.8	2529.4	2691.8
62.5°	2595.5	2572.6	2579.9	2655.9	2949.4	2979.2	3234.9	3025.5	2570.7	2734.6
65°	2931.4	2892.1	2855.4	2908.1	3267.0	3296.4	3492.8	3132.1	2555.4	2651.7
67.5°	3354.5	3315.5	3270.4	3320.1	3734.7	3758.0	3811.2	3192.1	2435.0	2332.2
70°	3703.4	3688.9	3742.7	3947.2	4481.8	4482.6	4219.3	3142.4	2105.2	1653.5
72.5°	3657.1	3648.4	3932.3	4564.4	5423.4	5403.2	4605.6	2766.4	1418.1	746.0
75°	3000.2	3057.2	3497.0	4553.3	5761.6	5759.0	4369.1	1758.6	586.6	309.2
77.5°	1608.8	1699.0	2270.3	3361.7	4497.9	4565.5	3071.7	615.3	251.8	198.0
80°	524.7	603.4	904.9	1711.6	2922.7	2910.0	1316.5	241.5	172.3	140.2
82.5°	222.8	232.0	404.3	808.2	1499.9	1476.6	419.2	138.7	121.1	95.9
85°	87.1	97.4	178.5	373.7	649.6	635.5	151.3	68.8	77.6	62.7
87.5°	28.7	34.8	63.8	128.0	202.2	194.9	37.1	23.7	33.6	28.7
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°
942.0	0°	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
944.7	2.5°	950.0	956.1	963.4	974.1	983.3	990.9	998.9	1003.9	1005.8	1011.5
946.2	5°	956.9	970.3	988.2	1005.8	1023.0	1033.3	1042.5	1047.1	1051.3	1054.3
950.4	7.5°	968.4	985.6	1013.8	1036.8	1051.3	1059.7	1065.8	1064.3	1065.8	1066.6
955.0	10°	978.3	1002.4	1036.0	1057.8	1068.9	1069.2	1067.7	1062.4	1059.7	1060.1
961.9	12.5°	990.1	1016.9	1053.2	1071.5	1074.6	1066.2	1059.7	1050.5	1047.1	1045.6
972.2	15°	1006.2	1036.8	1071.9	1078.8	1071.2	1060.5	1049.4	1034.5	1026.8	1020.7
989.8	17.5°	1025.7	1059.3	1086.4	1081.5	1065.0	1047.5	1029.5	1007.0	991.3	984.8
1013.8	20°	1052.8	1083.0	1097.5	1075.7	1050.9	1024.2	993.6	966.1	951.5	945.0
1044.4	22.5°	1085.7	1114.7	1108.2	1065.8	1030.7	987.8	949.6	929.4	922.1	917.5
1083.8	25°	1125.0	1149.9	1115.9	1051.3	997.4	939.7	910.3	903.8	900.3	896.9
1131.9	27.5°	1176.2	1189.6	1121.6	1029.9	945.4	888.5	877.8	878.9	877.8	872.1
1198.8	30°	1243.9	1241.2	1127.0	995.1	885.8	842.3	843.0	848.0	848.7	844.9
1292.0	32.5°	1332.9	1305.8	1129.6	950.0	828.9	801.7	802.5	807.9	811.7	805.2
1413.9	35°	1440.7	1381.1	1125.4	893.5	784.9	763.1	757.4	758.9	760.1	754.0
1561.8	37.5°	1566.4	1465.5	1106.7	830.8	748.6	725.3	713.1	702.8	696.7	690.9
1729.2	40°	1704.4	1557.6	1072.3	769.6	708.1	685.2	666.8	647.4	626.7	619.1
1906.5	42.5°	1848.8	1652.4	1030.7	711.2	661.5	642.8	623.3	595.0	564.0	548.4
2090.7	45°	1998.6	1749.5	989.8	653.5	613.7	605.7	583.2	549.1	515.5	495.6
2275.3	47.5°	2145.4	1841.2	929.8	595.4	569.0	577.8	560.2	528.9	491.4	460.1
2458.4	50°	2285.6	1927.2	831.6	536.5	532.7	569.4	552.6	507.5	464.7	424.6
2638.0	52.5°	2424.7	1996.7	705.8	483.0	513.2	567.1	542.6	493.0	440.6	398.6
2806.9	55°	2542.8	2032.6	584.7	437.2	484.9	547.6	530.8	475.8	406.6	361.9
2922.7	57.5°	2610.1	2003.6	483.8	392.1	446.0	515.5	510.5	439.1	366.1	331.7
2945.2	60°	2581.0	1885.9	401.3	352.7	408.9	480.7	475.4	402.8	335.1	302.7
2824.4	62.5°	2420.9	1661.6	335.9	318.3	375.3	445.2	440.2	374.9	311.4	280.1
2503.8	65°	2098.4	1351.7	285.1	289.7	341.3	402.4	409.7	351.6	292.7	262.2
1937.1	67.5°	1600.4	979.1	245.3	264.8	308.0	360.4	381.4	334.8	277.1	248.0
1120.8	70°	912.2	556.0	211.7	240.8	278.6	321.4	359.6	321.4	260.2	236.2
420.0	72.5°	345.8	255.3	183.0	216.7	250.3	288.5	335.5	300.4	240.8	222.8
217.1	75°	184.6	155.5	154.0	188.4	217.8	256.4	305.3	279.7	226.2	235.4
150.2	77.5°	125.7	110.1	128.8	161.3	182.3	220.9	273.2	248.4	196.0	195.3
103.9	80°	87.1	78.0	104.7	129.9	141.0	185.7	238.5	213.2	159.7	149.0
64.2	82.5°	52.4	50.8	78.3	97.1	99.7	143.3	197.6	178.8	130.7	113.9
38.2	85°	28.7	30.2	50.1	56.9	58.1	100.1	154.8	138.3	100.5	84.5
13.8	87.5°	8.0	10.3	18.3	22.5	27.9	52.0	92.1	82.2	50.4	35.2
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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942.0
1011.2
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896.9
873.2
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758.2
694.7
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550.3
494.1
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421.1
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358.1
327.1
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275.1
257.2
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