

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: P852137

Luminaire Tested: **GLAN-SB1C-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852137
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-SB1C-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6585 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

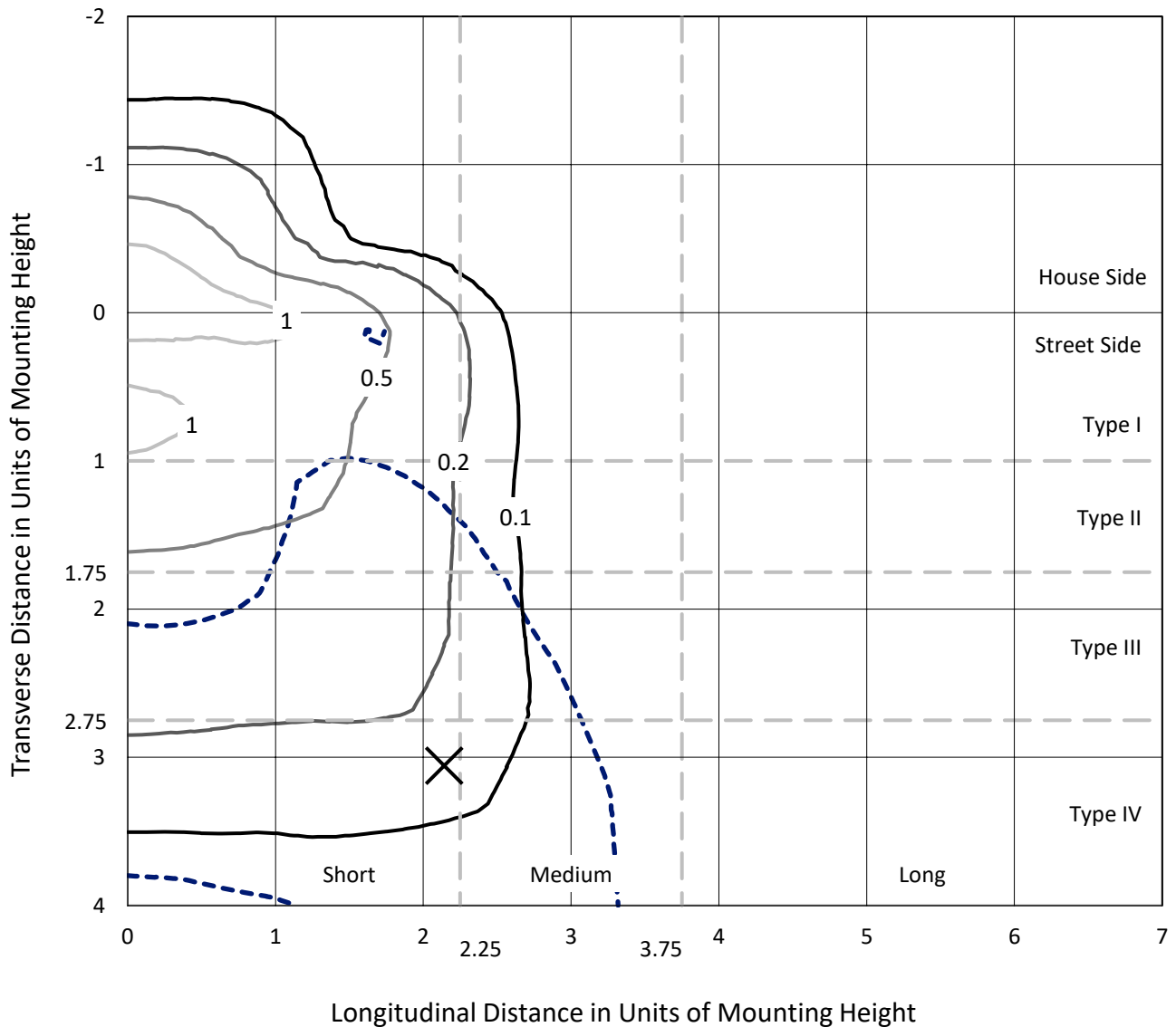
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

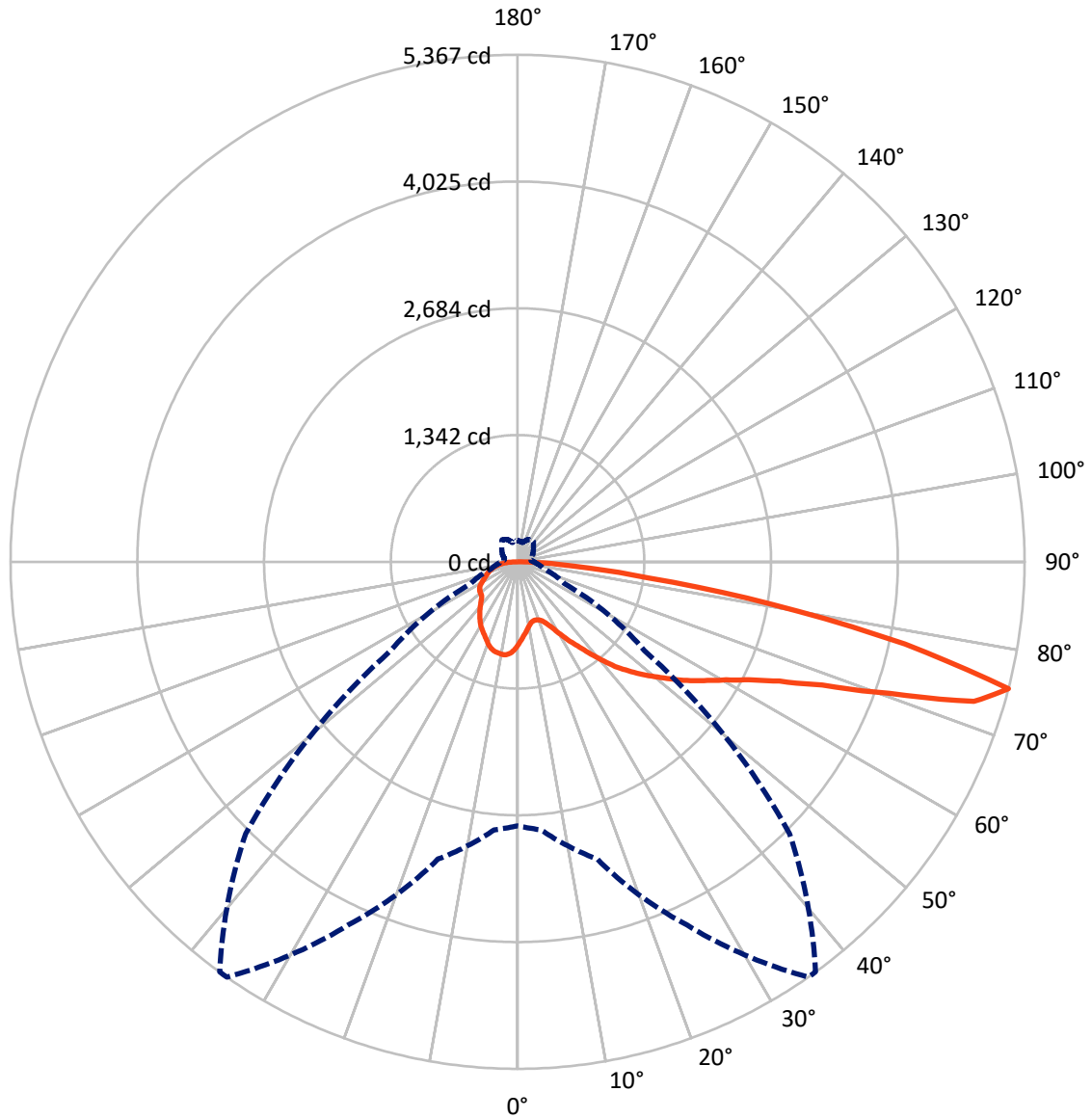
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1567.1	0.0	1567.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5017.9	0.0	5017.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	6585.0	0.0	6585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.3
10°-20°	239.6	3.6
20°-30°	402.4	6.1
30°-40°	625.4	9.5
40°-50°	928.3	14.1
50°-60°	1281.6	19.5
60°-70°	1554.8	23.6
70°-80°	1284.9	19.5
80°-90°	184.8	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°	6585.0	100.0
0°-180°	6585.0	100.0

Coefficient of Utilization



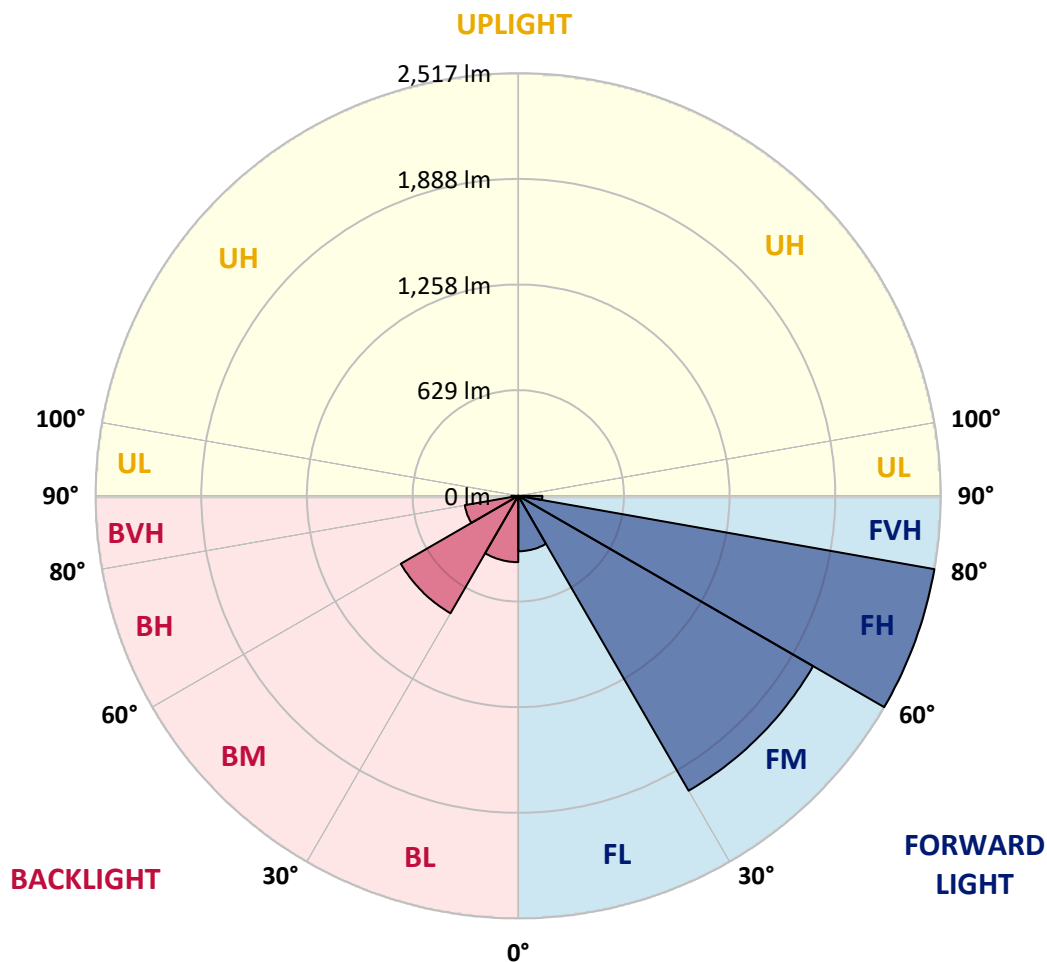
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.2	5.0			
FM (30°-60°)	2027.8	30.8			
FH (60°-80°)	2516.7	38.2			G2/5000
FVH (80°-90°)	143.2	2.2			G2/225
BL (0°-30°)	394.9	6.0	B1/500		
BM (30°-60°)	807.4	12.3	B1/1000		
BH (60°-80°)	323.1	4.9	B1/500		G1/500
BVH (80°-90°)	41.6	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°	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5
2.5°	809.1	814.1	816.3	815.2	820.5	819.8	827.3	836.6	849.4	861.8
5°	746.9	752.2	756.8	761.1	771.4	774.6	786.4	804.2	827.7	851.5
7.5°	688.8	693.5	700.6	708.4	725.8	729.1	748.6	776.4	809.1	844.0
10°	641.5	646.1	653.6	662.5	684.2	688.1	713.0	750.1	792.8	836.9
12.5°	621.2	622.6	626.9	635.8	654.7	657.1	684.6	726.9	776.8	831.6
15°	620.1	623.0	623.3	628.0	643.6	644.7	670.0	712.0	766.8	830.5
17.5°	630.8	632.9	629.7	632.6	645.8	647.5	667.5	704.8	763.6	835.1
20°	659.3	661.1	651.4	647.5	657.1	658.6	678.1	709.5	766.8	844.7
22.5°	719.8	720.9	697.4	681.3	682.1	682.8	699.9	728.3	779.2	862.2
25°	814.1	813.4	776.0	745.1	727.3	723.4	734.7	759.0	800.2	885.3
27.5°	924.5	919.1	881.8	835.5	796.7	791.0	788.5	798.8	830.2	915.9
30°	1049.1	1044.1	1003.9	943.4	889.6	880.3	856.8	851.5	874.6	957.6
32.5°	1185.8	1182.6	1134.5	1061.2	989.3	978.6	939.1	924.8	943.0	1020.6
35°	1300.4	1297.6	1257.7	1182.2	1094.3	1081.1	1040.9	1024.9	1034.1	1101.4
37.5°	1404.0	1402.6	1368.4	1308.9	1218.2	1202.2	1156.9	1151.6	1149.8	1207.8
40°	1500.1	1496.5	1461.0	1429.6	1362.3	1347.7	1307.9	1303.3	1289.7	1338.8
42.5°	1606.5	1597.3	1545.7	1531.1	1512.9	1500.8	1477.0	1477.7	1447.8	1486.6
45°	1693.4	1688.1	1635.0	1626.5	1646.1	1641.1	1661.7	1667.1	1609.0	1641.4
47.5°	1786.7	1781.7	1736.8	1730.8	1783.8	1785.3	1858.2	1860.0	1766.4	1802.3
50°	1901.7	1894.5	1850.0	1857.5	1917.0	1922.3	2055.8	2043.7	1911.3	1965.7
52.5°	1977.5	1981.8	1972.1	1984.2	2065.4	2070.4	2250.2	2219.2	2054.7	2127.0
55°	2033.4	2041.9	2071.8	2099.6	2222.0	2227.0	2433.5	2386.1	2173.6	2276.5
57.5°	2105.3	2093.2	2149.1	2203.2	2370.8	2384.0	2611.8	2547.1	2279.0	2405.4
60°	2208.5	2200.0	2243.4	2323.5	2537.4	2558.4	2800.5	2691.9	2356.2	2507.5
62.5°	2417.8	2396.5	2403.2	2474.1	2747.5	2775.2	3013.4	2818.3	2394.7	2547.4
65°	2730.7	2694.1	2659.9	2709.0	3043.3	3070.7	3253.7	2917.6	2380.5	2470.2
67.5°	3124.8	3088.5	3046.5	3092.8	3479.0	3500.7	3550.2	2973.5	2268.3	2172.6
70°	3449.8	3436.3	3486.5	3676.9	4175.0	4175.7	3930.4	2927.2	1961.1	1540.3
72.5°	3406.7	3398.6	3663.1	4251.8	5052.1	5033.2	4290.3	2577.0	1321.0	694.9
75°	2794.8	2847.9	3257.6	4241.5	5367.1	5364.6	4069.9	1638.2	546.4	288.0
77.5°	1498.7	1582.7	2114.9	3131.6	4189.9	4252.9	2861.4	573.1	234.6	184.4
80°	488.8	562.1	843.0	1594.4	2722.6	2710.8	1226.4	225.0	160.5	130.6
82.5°	207.5	216.1	376.6	752.9	1397.2	1375.5	390.5	129.2	112.8	89.4
85°	81.2	90.8	166.2	348.2	605.2	592.0	141.0	64.1	72.3	58.4
87.5°	26.7	32.4	59.4	119.3	188.3	181.6	34.5	22.1	31.3	26.7
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°
877.5	0°	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5
880.0	2.5°	885.0	890.7	897.4	907.4	915.9	923.1	930.5	935.2	936.9	942.3
881.4	5°	891.4	903.8	920.6	936.9	953.0	962.6	971.1	975.4	979.3	982.2
885.3	7.5°	902.1	918.1	944.4	965.8	979.3	987.1	992.8	991.4	992.8	993.5
889.6	10°	911.3	933.7	965.1	985.4	995.7	996.0	994.6	989.6	987.1	987.5
896.0	12.5°	922.3	947.3	981.1	998.2	1001.0	993.2	987.1	978.6	975.4	974.0
905.6	15°	937.3	965.8	998.5	1004.9	997.8	987.9	977.5	963.6	956.5	950.8
922.0	17.5°	955.5	986.8	1012.1	1007.4	992.1	975.7	959.0	938.0	923.4	917.4
944.4	20°	980.7	1008.9	1022.4	1002.1	979.0	954.0	925.6	899.9	886.4	880.3
972.9	22.5°	1011.3	1038.4	1032.3	992.8	960.1	920.2	884.6	865.7	859.0	854.7
1009.6	25°	1048.0	1071.2	1039.5	979.3	929.1	875.4	847.9	841.9	838.7	835.5
1054.4	27.5°	1095.7	1108.2	1044.8	959.4	880.7	827.7	817.7	818.8	817.7	812.4
1116.7	30°	1158.7	1156.2	1049.8	927.0	825.2	784.6	785.3	789.9	790.6	787.1
1203.6	32.5°	1241.7	1216.4	1052.3	885.0	772.1	746.9	747.6	752.5	756.1	750.1
1317.1	35°	1342.1	1286.5	1048.4	832.3	731.2	710.9	705.6	707.0	708.0	702.4
1454.9	37.5°	1459.2	1365.2	1030.9	773.9	697.4	675.7	664.3	654.7	649.0	643.6
1610.8	40°	1587.7	1451.0	998.9	716.9	659.6	638.3	621.2	603.0	583.8	576.7
1776.0	42.5°	1722.2	1539.3	960.1	662.5	616.2	598.8	580.6	554.3	525.4	510.8
1947.6	45°	1861.8	1629.7	922.0	608.7	571.7	564.2	543.2	511.5	480.2	461.7
2119.5	47.5°	1998.5	1715.1	866.1	554.6	530.1	538.2	521.9	492.7	457.8	428.6
2290.0	50°	2129.1	1795.2	774.6	499.8	496.2	530.4	514.8	472.7	432.9	395.5
2457.3	52.5°	2258.7	1860.0	657.5	450.0	478.1	528.3	505.5	459.2	410.4	371.3
2614.7	55°	2368.7	1893.5	544.7	407.2	451.7	510.1	494.5	443.2	378.8	337.1
2722.6	57.5°	2431.4	1866.4	450.7	365.2	415.4	480.2	475.6	409.0	341.0	309.0
2743.6	60°	2404.3	1756.8	373.8	328.6	380.9	447.8	442.8	375.2	312.2	281.9
2631.1	62.5°	2255.1	1547.8	312.9	296.5	349.6	414.7	410.1	349.2	290.1	260.9
2332.4	65°	1954.7	1259.1	265.6	269.8	317.9	374.8	381.6	327.5	272.7	244.2
1804.5	67.5°	1490.9	912.0	228.5	246.7	286.9	335.7	355.3	311.8	258.1	231.0
1044.1	70°	849.7	518.0	197.2	224.3	259.5	299.4	335.0	299.4	242.4	220.0
391.2	72.5°	322.2	237.8	170.5	201.8	233.2	268.8	312.6	279.8	224.3	207.5
202.2	75°	171.9	144.9	143.5	175.5	202.9	238.9	284.4	260.6	210.7	219.3
139.9	77.5°	117.1	102.5	120.0	150.2	169.8	205.8	254.5	231.4	182.6	181.9
96.8	80°	81.2	72.6	97.5	121.0	131.4	173.0	222.1	198.6	148.8	138.8
59.8	82.5°	48.8	47.3	73.0	90.4	92.9	133.5	184.0	166.6	121.7	106.1
35.6	85°	26.7	28.1	46.6	53.0	54.1	93.3	144.2	128.9	93.6	78.7
12.8	87.5°	7.5	9.6	17.1	21.0	26.0	48.4	85.8	76.5	47.0	32.8
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

<u>180°</u>
877.5
941.9
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813.4
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