

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: P845966

Luminaire Tested: **GLAN-SB1B-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4964 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

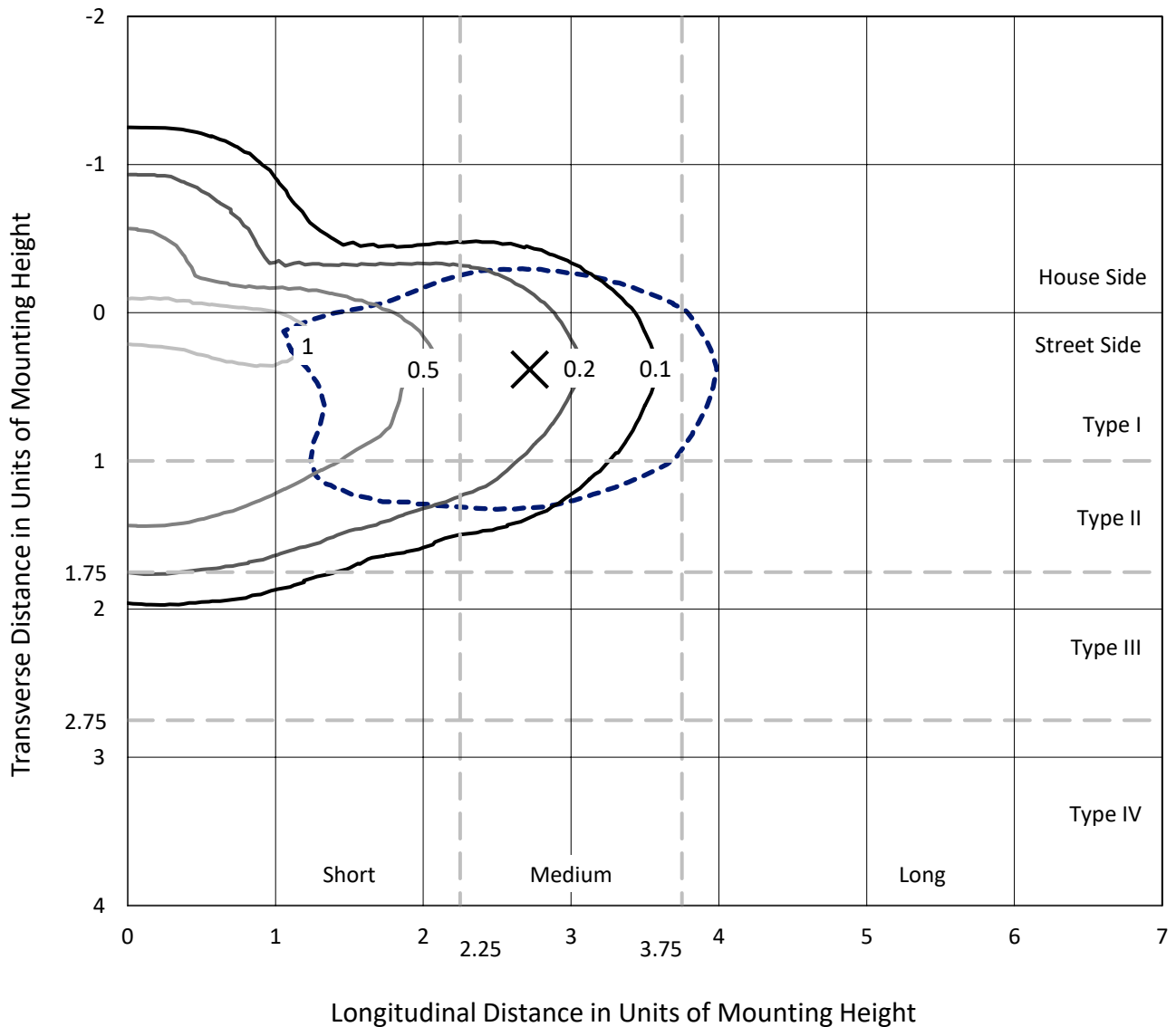
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

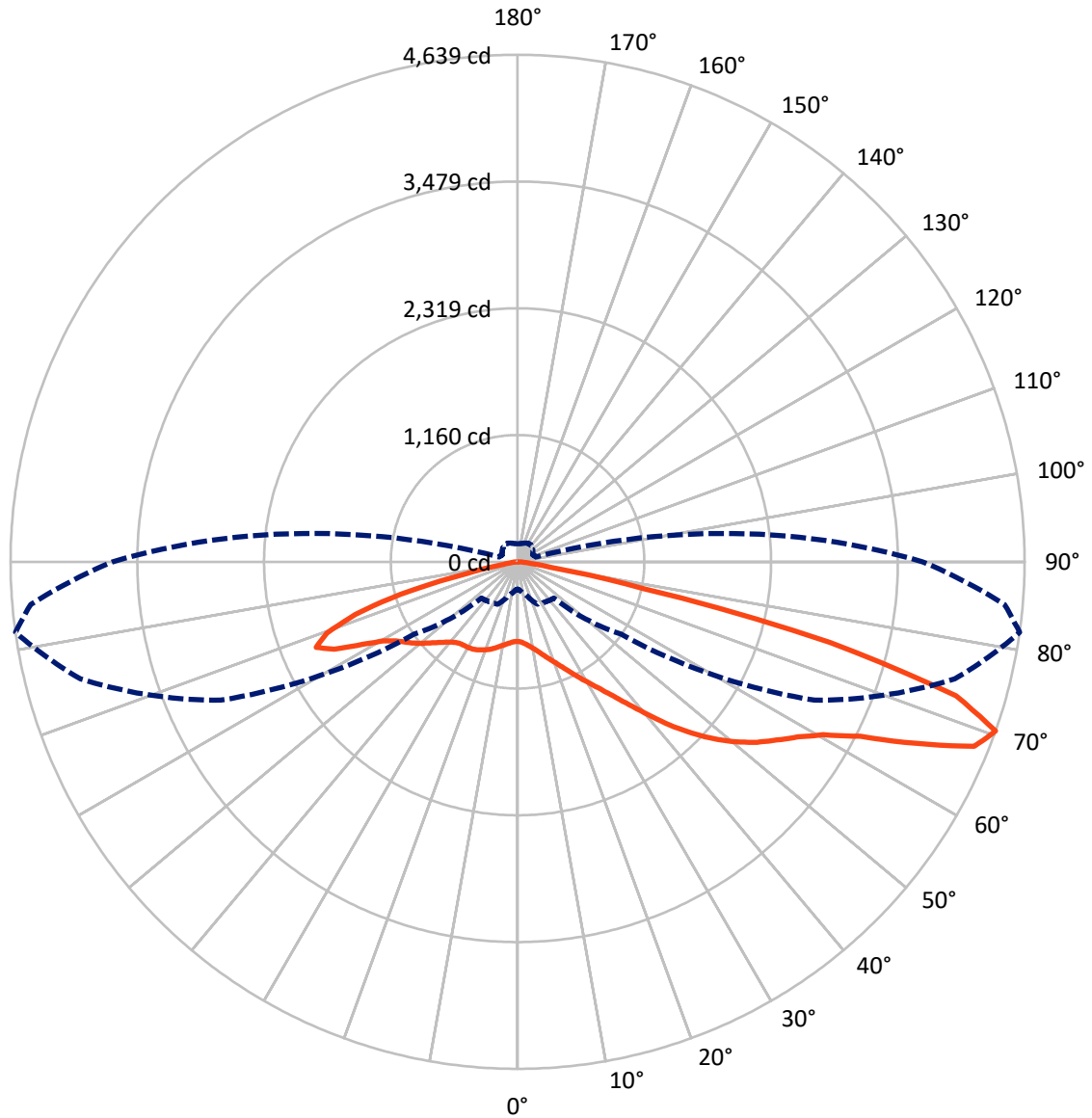
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1223.8	0.0	1223.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3740.3	0.0	3740.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	4964.0	0.0	4964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	1.4
10°-20°	197.4	4.0
20°-30°	330.3	6.7
30°-40°	516.0	10.4
40°-50°	821.7	16.6
50°-60°	1143.6	23.0
60°-70°	1196.2	24.1
70°-80°	625.2	12.6
80°-90°	64.9	1.3
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°	4964.0	100.0
0°-180°	4964.0	100.0

Coefficient of Utilization

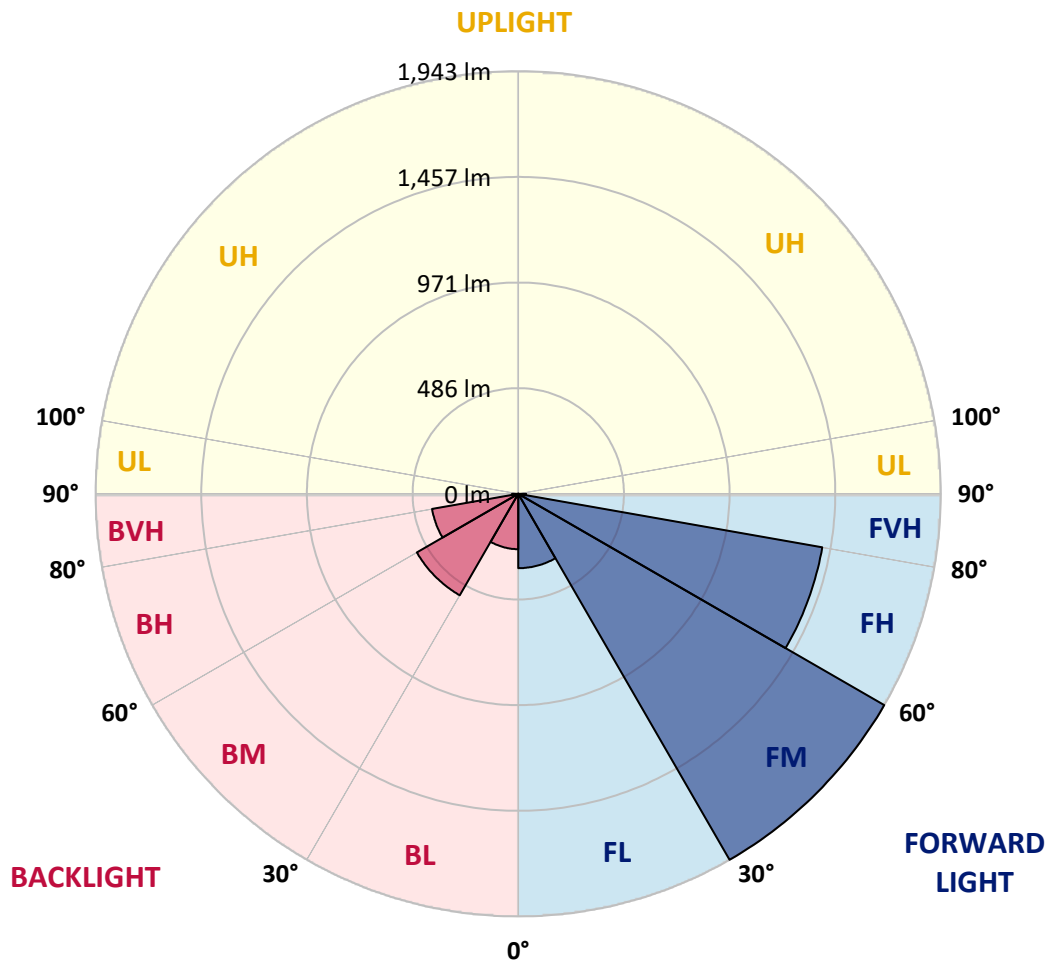


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.8	6.9			
FM (30°-60°)	1942.9	39.1			
FH (60°-80°)	1419.2	28.6			G1/1800
FVH (80°-90°)	36.3	0.7			G1/100
BL (0°-30°)	254.6	5.1	B1/500		
BM (30°-60°)	538.4	10.8	B1/1000		
BH (60°-80°)	402.2	8.1	B1/500		G1/500
BVH (80°-90°)	28.6	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-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8
2.5°	745.2	749.4	748.1	746.7	746.7	744.9	744.6	742.0	739.9	736.5
5°	754.7	759.1	758.6	759.7	763.1	763.9	764.7	763.1	758.9	754.7
7.5°	746.2	751.2	752.8	759.1	769.7	779.1	786.3	789.2	785.2	779.1
10°	717.8	723.3	728.8	743.9	762.6	784.9	803.9	815.2	814.4	808.6
12.5°	660.1	665.9	677.7	707.0	741.2	780.7	816.0	839.7	847.9	843.7
15°	614.0	619.0	628.0	658.0	702.5	762.6	820.5	866.6	887.4	885.0
17.5°	612.7	614.8	620.3	634.5	668.8	734.1	815.8	892.9	932.7	932.4
20°	635.9	636.6	639.8	642.7	662.2	712.5	803.6	914.8	983.5	983.5
22.5°	668.0	667.5	670.6	668.0	677.5	710.7	796.0	934.0	1040.2	1044.4
25°	716.2	713.6	712.8	706.7	708.6	727.8	804.4	955.9	1107.3	1116.0
27.5°	780.5	776.3	773.4	759.4	754.7	763.1	830.2	982.2	1182.2	1197.2
30°	864.2	856.6	852.4	828.1	811.0	812.3	869.2	1017.3	1260.4	1284.6
32.5°	978.5	966.7	955.4	915.6	884.2	874.0	919.5	1065.7	1345.2	1383.9
35°	1106.6	1097.1	1085.0	1023.6	975.4	951.7	987.5	1133.4	1444.5	1505.9
37.5°	1229.8	1221.7	1227.5	1144.8	1082.6	1048.1	1076.5	1224.3	1567.0	1657.6
40°	1357.3	1351.0	1351.8	1272.8	1200.3	1161.6	1184.5	1338.4	1707.4	1838.0
42.5°	1495.9	1491.1	1475.3	1405.3	1323.9	1287.8	1308.9	1470.1	1858.0	2043.5
45°	1651.0	1648.1	1633.4	1553.0	1459.8	1419.2	1447.7	1615.5	2009.5	2236.8
47.5°	1785.1	1787.5	1785.6	1717.9	1621.2	1561.7	1595.7	1767.2	2150.4	2418.6
50°	1849.6	1862.0	1880.2	1859.1	1799.0	1738.5	1745.0	1913.6	2284.8	2589.0
52.5°	1815.9	1839.3	1888.9	1922.6	1945.8	1933.1	1915.5	2059.0	2411.2	2742.8
55°	1690.3	1723.2	1805.4	1886.8	2005.0	2097.0	2120.1	2220.2	2534.5	2878.2
57.5°	1461.4	1514.8	1588.6	1753.2	1952.3	2176.2	2358.8	2443.9	2665.1	3022.8
60°	1068.9	1140.5	1232.2	1477.2	1768.0	2133.8	2561.9	2787.3	2850.8	3210.1
62.5°	684.1	728.3	812.6	1043.3	1377.6	1916.5	2624.0	3216.7	3165.6	3517.2
65°	468.3	496.8	574.0	703.6	890.6	1426.6	2457.6	3538.6	3665.5	4004.0
67.5°	340.3	361.9	427.8	541.3	580.3	844.2	1907.0	3523.8	4151.5	4505.5
70°	248.1	263.4	318.7	427.8	446.5	469.6	1155.3	2995.4	4141.0	4638.8
72.5°	183.9	194.4	231.5	331.9	361.4	317.1	571.8	2177.0	3558.3	4195.8
75°	133.0	140.9	168.3	253.9	289.2	241.5	285.3	1272.2	2482.1	2951.4
77.5°	101.7	107.7	125.6	186.0	231.5	181.2	177.0	585.3	1176.9	1182.7
80°	81.7	85.6	95.4	130.9	177.5	135.7	115.4	236.3	371.9	314.8
82.5°	60.1	66.6	80.6	91.9	127.0	93.5	70.3	119.3	141.4	121.7
85°	34.2	38.7	48.7	65.9	81.1	57.2	40.3	52.9	65.9	54.0
87.5°	12.1	15.8	17.1	25.8	35.3	23.7	15.5	15.3	21.6	16.1
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°
727.8	0°	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8	727.8
735.7	2.5°	733.1	731.7	726.5	719.4	712.0	704.9	702.5	697.5	694.1	692.2
752.8	5°	747.8	743.6	731.2	715.4	698.8	680.9	668.3	656.7	648.2	640.3
776.3	7.5°	768.9	761.5	740.2	712.5	683.0	653.2	631.1	614.3	602.9	595.6
803.6	10°	793.4	782.0	749.4	708.0	662.5	619.8	593.7	579.2	572.1	568.2
835.0	12.5°	821.6	805.5	758.9	697.8	631.1	582.4	564.5	560.3	560.5	560.8
874.5	15°	856.3	833.9	766.5	675.4	590.3	553.7	550.5	557.4	564.5	567.9
919.3	17.5°	895.6	864.0	767.8	638.5	550.3	535.2	545.2	560.0	570.8	575.5
969.3	20°	937.7	894.5	758.3	586.3	517.3	520.2	538.1	557.1	569.0	575.0
1026.5	22.5°	985.9	927.2	735.7	531.5	490.5	503.9	525.0	543.4	555.8	561.8
1093.7	25°	1041.0	963.8	700.1	485.5	467.3	485.5	506.5	521.8	531.8	537.3
1168.7	27.5°	1102.1	1002.0	652.7	448.8	447.0	466.5	483.9	495.7	501.0	505.2
1248.5	30°	1163.5	1036.8	595.3	421.2	429.3	447.8	460.2	465.4	467.0	467.8
1337.6	32.5°	1229.8	1066.8	535.0	398.3	412.5	429.6	437.0	439.4	432.0	427.0
1445.6	35°	1310.2	1098.9	476.0	380.1	395.9	410.6	413.0	410.9	402.2	391.9
1580.9	37.5°	1409.5	1139.0	428.8	367.2	380.4	390.1	387.2	386.7	387.5	375.4
1743.7	40°	1531.2	1191.1	394.3	357.2	367.7	369.8	361.7	366.1	370.1	351.6
1922.3	42.5°	1666.3	1254.1	372.5	350.3	357.2	352.2	339.5	344.5	344.0	319.8
2101.7	45°	1804.1	1322.6	364.8	345.3	347.4	337.4	323.5	324.8	313.7	291.9
2273.7	47.5°	1941.0	1396.0	369.6	341.1	335.3	324.0	313.2	307.4	291.1	274.7
2438.6	50°	2075.4	1473.2	386.9	332.7	318.7	312.1	304.2	294.0	276.6	262.6
2594.5	52.5°	2199.9	1550.9	406.4	318.7	297.9	301.9	296.9	285.0	267.9	253.7
2742.0	55°	2318.0	1628.6	414.1	299.5	278.4	292.9	290.0	268.1	247.6	236.0
2896.4	57.5°	2446.5	1722.1	405.6	275.0	262.6	282.6	271.6	247.3	235.5	226.8
3097.4	60°	2624.6	1868.8	387.5	244.7	247.6	267.4	248.4	238.4	225.5	215.7
3398.7	62.5°	2920.4	2142.5	358.2	214.7	230.0	244.7	237.3	227.3	214.1	204.7
3913.9	65°	3357.6	2522.9	303.2	191.2	210.2	222.6	225.5	215.5	201.8	191.8
4365.4	67.5°	3726.4	2761.5	229.4	171.7	189.9	204.7	212.8	203.1	188.6	178.9
4471.0	70°	3706.1	2588.2	175.2	152.5	172.0	187.0	197.6	189.9	174.4	165.2
4061.2	72.5°	3291.8	2165.2	141.7	133.0	153.8	168.6	181.2	175.4	159.6	150.7
2975.1	75°	2418.3	1537.0	113.3	113.3	131.2	149.3	163.3	159.6	145.1	138.8
1249.1	77.5°	1019.4	644.8	88.8	94.0	109.0	128.3	145.7	147.0	134.3	142.2
330.3	80°	271.0	177.8	67.7	74.0	85.6	105.9	126.7	126.2	112.5	105.1
122.7	82.5°	103.3	70.1	48.2	52.2	61.9	81.1	100.4	103.5	89.8	77.7
48.2	85°	39.8	30.0	29.8	31.3	36.1	53.7	75.9	78.5	67.7	57.4
13.4	87.5°	10.3	9.0	11.1	10.5	16.6	28.7	43.5	45.0	41.4	24.0
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°
727.8
694.3
643.5
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392.5
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226.0
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