

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: P846405

Luminaire Tested: **GLAN-SB2A-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6428 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

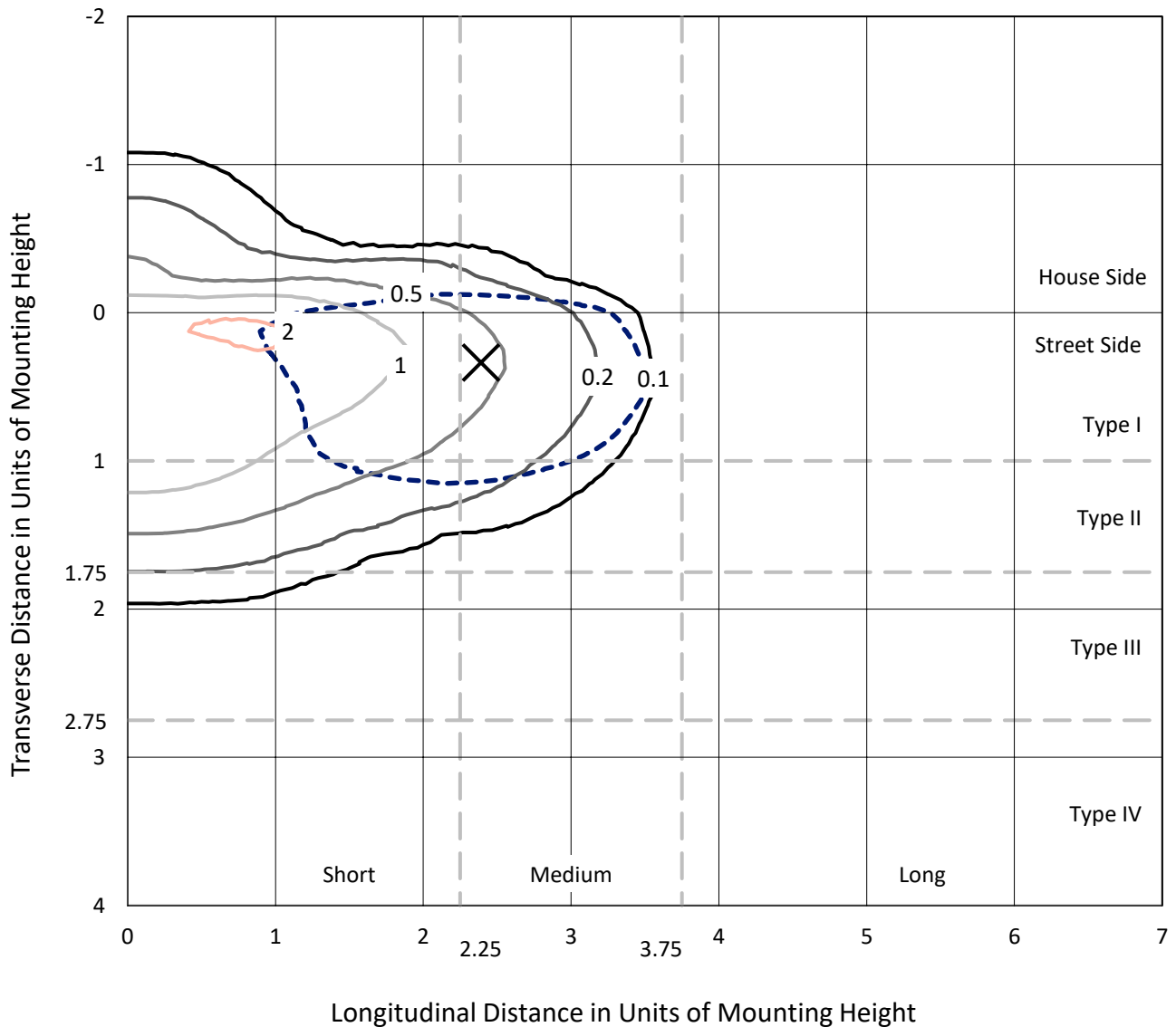
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

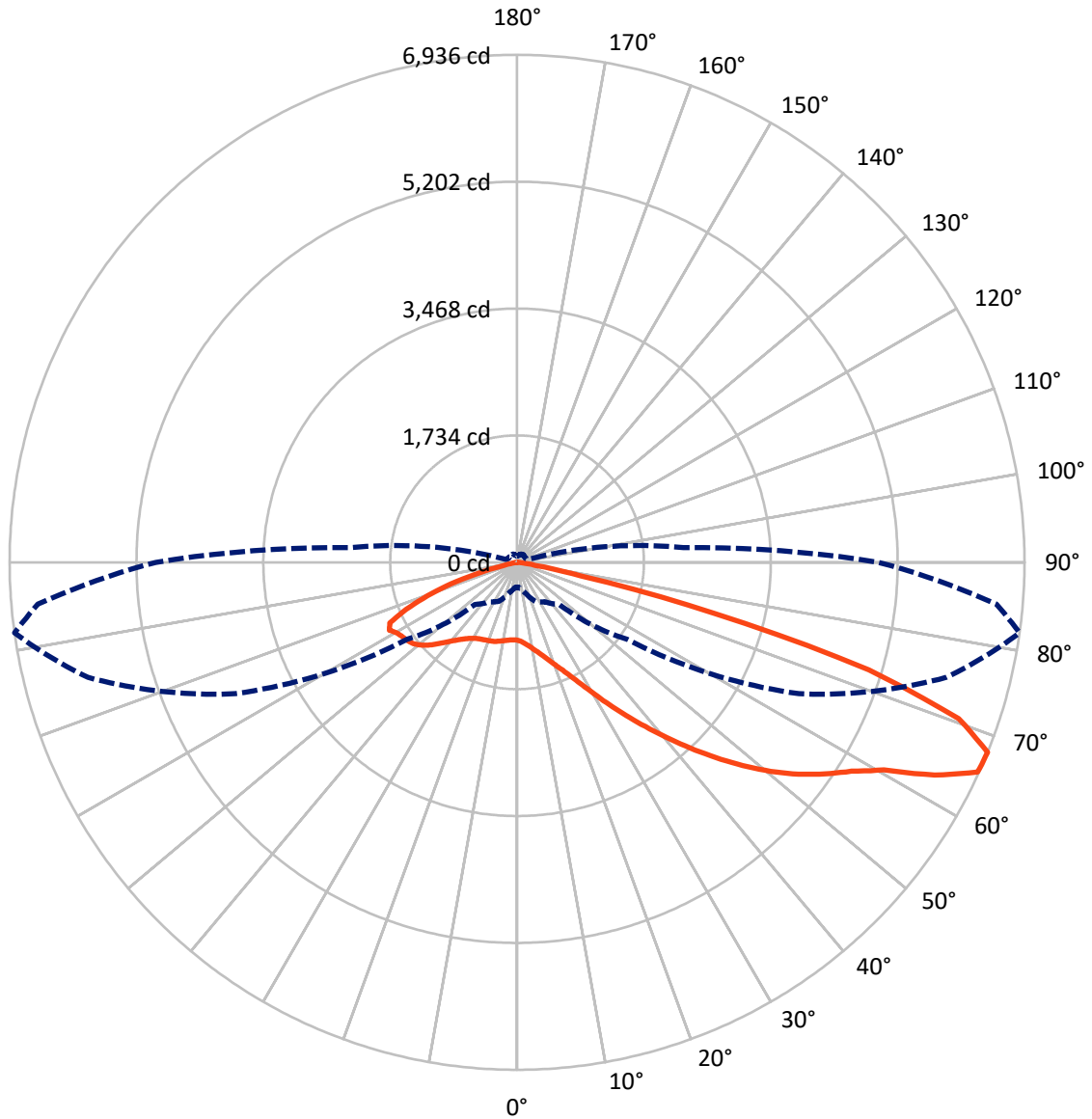
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1164.4	0.0	1164.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5263.6	0.0	5263.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	6428.0	0.0	6428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.5
10°-20°	246.5	3.8
20°-30°	394.9	6.1
30°-40°	698.3	10.9
40°-50°	1223.4	19.0
50°-60°	1631.7	25.4
60°-70°	1519.0	23.6
70°-80°	583.0	9.1
80°-90°	36.2	0.6
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°	6428.0	100.0
0°-180°	6428.0	100.0

Coefficient of Utilization

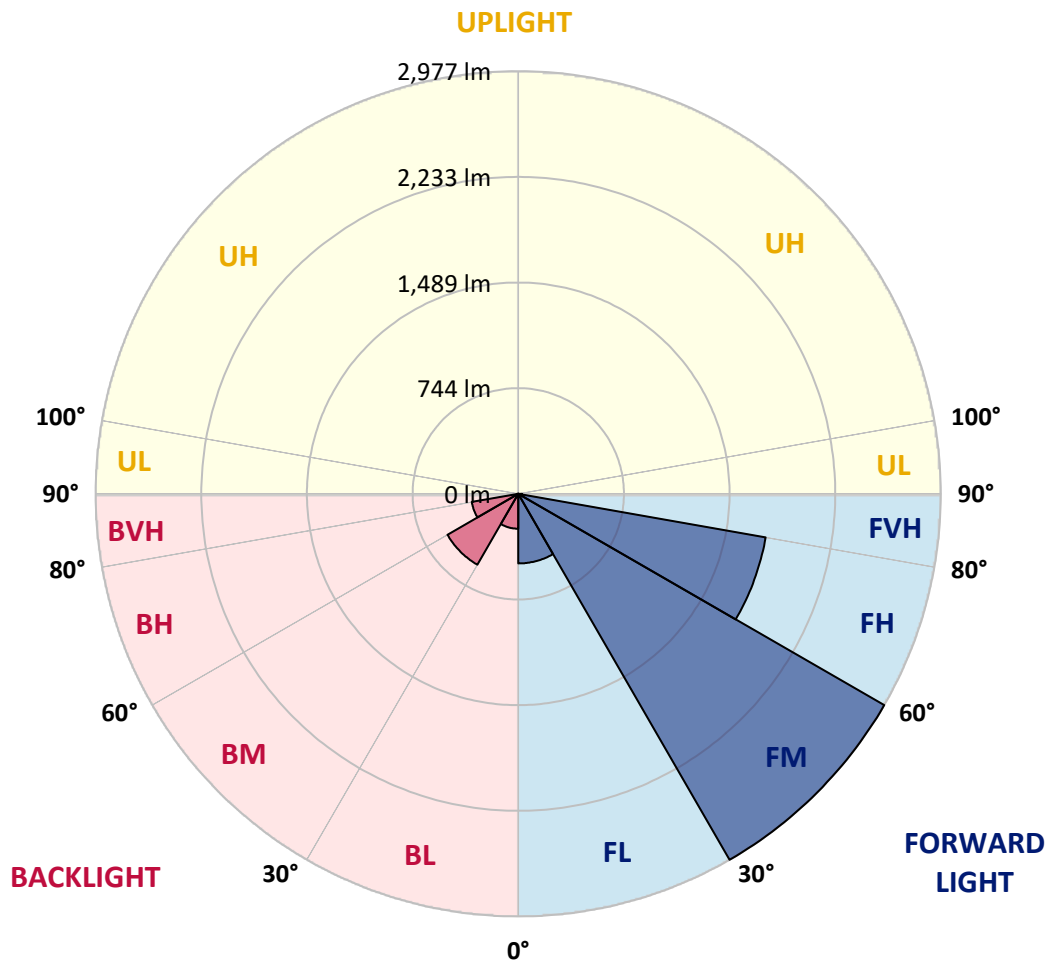


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.4	7.6			
FM (30°-60°)	2977.2	46.3			
FH (60°-80°)	1769.7	27.5			G1/1800
FVH (80°-90°)	26.3	0.4			G1/100
BL (0°-30°)	245.9	3.8	B1/500		
BM (30°-60°)	576.2	9.0	B1/1000		
BH (60°-80°)	332.3	5.2	B1/500		G1/500
BVH (80°-90°)	9.9	0.2			G0/10
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°	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9
2.5°	1125.5	1132.0	1128.3	1126.5	1123.2	1118.6	1114.9	1103.3	1091.3	1083.4
5°	1148.2	1154.7	1154.2	1156.1	1158.4	1159.8	1158.9	1145.9	1128.8	1115.3
7.5°	1128.8	1136.2	1142.2	1151.4	1167.6	1184.8	1193.1	1190.3	1172.7	1154.2
10°	1073.7	1081.6	1095.9	1117.7	1151.9	1188.9	1219.9	1234.3	1223.2	1202.8
12.5°	972.8	980.7	1008.9	1056.1	1113.5	1177.8	1237.1	1275.5	1278.3	1257.9
15°	859.4	867.3	897.4	956.6	1044.1	1147.3	1246.3	1319.0	1343.5	1325.9
17.5°	789.1	796.0	818.7	866.4	957.5	1086.2	1243.1	1365.3	1421.3	1407.4
20°	767.8	773.8	784.4	817.8	893.7	1022.8	1221.8	1408.8	1505.0	1497.2
22.5°	790.5	796.0	799.3	814.1	861.7	981.1	1194.9	1453.2	1602.2	1603.1
25°	842.8	848.3	844.6	853.9	874.7	968.2	1184.8	1505.5	1724.4	1734.6
27.5°	928.8	929.3	920.5	920.0	923.3	987.6	1195.4	1561.5	1878.5	1897.5
30°	1101.5	1094.5	1060.7	1024.2	1007.5	1045.9	1225.0	1627.7	2060.4	2094.2
32.5°	1367.6	1357.4	1295.4	1207.9	1120.0	1139.9	1278.3	1703.1	2258.5	2319.6
35°	1656.4	1653.6	1588.8	1458.7	1305.1	1273.6	1364.8	1802.1	2474.6	2571.8
37.5°	1924.8	1923.4	1886.4	1733.2	1546.2	1460.1	1503.6	1931.7	2706.0	2846.7
40°	2170.1	2174.2	2137.2	2000.2	1811.9	1699.4	1692.5	2091.9	2963.3	3146.1
42.5°	2382.0	2386.7	2349.2	2247.8	2074.3	1964.1	1924.3	2288.1	3214.6	3467.8
45°	2526.0	2554.7	2549.1	2468.1	2343.6	2229.3	2202.9	2534.3	3501.1	3808.8
47.5°	2566.7	2593.1	2634.7	2645.8	2569.9	2457.5	2488.9	2830.9	3790.8	4150.4
50°	2466.3	2490.8	2577.3	2692.6	2745.3	2710.6	2767.1	3148.9	4087.4	4491.0
52.5°	2268.2	2293.2	2402.4	2584.7	2799.9	2909.2	3046.1	3462.2	4374.8	4813.6
55°	1981.7	2008.1	2148.3	2354.7	2695.8	2991.1	3278.9	3775.1	4638.2	5103.8
57.5°	1592.0	1611.5	1757.3	2046.0	2433.9	2909.6	3450.6	4116.6	4886.2	5388.8
60°	1037.6	1054.7	1224.1	1546.2	1999.8	2637.5	3484.9	4497.5	5215.8	5759.5
62.5°	690.0	701.6	802.0	1038.5	1408.3	2115.0	3284.5	4801.5	5698.9	6404.7
65°	473.4	485.0	585.4	750.2	909.9	1399.0	2708.3	4761.3	6136.7	6917.0
67.5°	337.8	347.6	432.7	588.2	658.6	812.7	1835.9	4246.6	6073.8	6936.4
70°	242.0	247.6	317.9	458.2	523.4	488.3	1020.9	3247.9	5318.0	6405.1
72.5°	169.4	171.2	220.8	349.0	421.6	356.4	485.9	2165.4	4022.2	5027.4
75°	114.8	117.1	148.6	255.9	338.3	272.1	257.3	1161.2	2361.2	2782.8
77.5°	70.3	71.3	95.8	174.9	253.2	207.3	165.7	492.0	913.6	896.9
80°	39.8	39.8	61.1	108.8	172.6	133.7	116.2	209.2	289.2	254.1
82.5°	22.2	22.7	44.4	67.6	114.3	79.1	63.9	96.7	125.0	110.6
85°	9.3	10.2	27.3	31.9	54.6	39.3	25.9	40.7	46.3	41.2
87.5°	0.9	1.4	8.3	6.0	6.5	7.9	3.7	7.9	6.5	6.5
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°
1064.9	0°	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9	1064.9
1080.6	2.5°	1071.8	1064.9	1047.3	1027.0	1000.1	987.2	969.6	957.5	947.4	948.3
1107.5	5°	1092.7	1075.1	1035.7	986.7	925.6	882.1	835.8	803.9	778.0	772.4
1144.5	7.5°	1121.4	1093.6	1024.6	936.2	833.0	754.8	684.9	640.1	608.1	597.9
1189.4	10°	1158.4	1118.1	1010.3	872.8	724.3	624.8	549.8	514.6	492.9	485.5
1242.2	12.5°	1201.4	1146.4	991.3	795.6	612.3	516.5	468.8	451.2	444.3	442.0
1306.9	15°	1255.6	1181.5	962.6	703.9	517.4	450.3	429.9	427.6	428.6	427.6
1384.7	17.5°	1319.9	1219.9	915.9	609.5	453.5	416.5	409.1	411.0	413.3	412.8
1471.7	20°	1390.3	1257.9	856.2	525.7	410.0	392.5	388.3	390.1	392.0	391.1
1572.1	22.5°	1470.3	1298.6	790.0	460.5	380.9	370.2	365.6	366.1	366.1	364.2
1699.4	25°	1566.1	1343.5	720.6	414.2	358.7	350.3	344.8	342.9	340.2	334.6
1854.0	27.5°	1680.4	1391.2	653.9	381.8	341.1	333.2	326.7	322.1	315.2	305.9
2039.6	30°	1809.1	1449.0	597.5	361.4	327.2	319.3	311.9	305.0	294.8	283.2
2252.9	32.5°	1960.4	1511.0	556.3	348.0	314.7	306.4	297.6	289.2	278.1	266.6
2492.6	35°	2140.9	1586.0	532.2	338.8	305.0	293.9	284.2	274.9	266.6	256.4
2753.2	37.5°	2336.7	1665.6	524.8	334.1	298.5	281.4	270.3	263.8	262.9	256.9
3035.0	40°	2551.0	1760.0	530.4	331.4	291.6	269.3	257.3	255.9	258.2	247.6
3336.3	42.5°	2777.7	1872.0	539.6	328.1	281.8	257.3	245.7	245.7	243.9	229.1
3654.7	45°	3023.0	2001.1	548.9	320.3	270.3	245.3	236.5	233.3	225.4	211.0
3975.0	47.5°	3270.1	2132.6	555.8	305.9	256.4	235.1	227.2	219.8	208.3	195.3
4289.2	50°	3504.8	2250.6	548.4	284.6	240.7	225.4	217.1	206.9	194.4	185.6
4586.8	52.5°	3714.4	2352.9	516.9	259.6	224.0	215.2	207.8	197.2	187.0	177.7
4855.2	55°	3896.8	2435.7	461.4	236.0	209.2	206.4	199.0	185.6	171.7	163.8
5121.3	57.5°	4071.7	2498.7	392.0	216.6	195.8	196.7	185.6	173.5	160.6	152.3
5480.0	60°	4304.5	2582.9	321.6	198.5	181.4	184.2	172.2	163.4	147.2	136.5
6095.1	62.5°	4676.6	2713.9	255.5	176.3	164.8	165.7	160.6	149.9	130.5	118.0
6550.9	65°	4971.9	2665.7	201.3	152.3	145.8	147.2	147.2	135.6	114.8	100.4
6575.5	67.5°	4938.5	2282.5	160.6	128.7	127.7	128.7	131.9	122.2	101.8	90.2
6074.7	70°	4549.3	1815.6	128.7	106.9	111.1	108.8	118.0	111.5	91.6	80.1
4709.4	72.5°	3712.1	1307.9	98.1	88.4	85.2	88.9	106.4	100.4	76.4	63.4
2494.5	75°	2169.1	697.9	73.1	69.9	61.6	74.0	94.4	85.6	58.3	46.7
764.5	77.5°	706.2	243.4	53.7	51.4	45.8	59.7	80.5	72.2	47.7	37.0
224.0	80°	189.3	73.6	36.6	33.8	29.6	44.4	63.9	57.4	34.2	24.1
96.3	82.5°	75.9	31.0	21.3	19.0	16.2	30.5	50.4	46.3	25.5	15.3
30.1	85°	24.5	10.2	7.9	6.0	7.4	19.0	30.1	31.5	18.0	7.9
4.6	87.5°	3.2	1.4	1.4	1.9	1.4	3.2	9.3	8.8	5.1	0.9
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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1064.9
939.0
759.9
587.8
479.9
440.6
427.2
411.9
390.6
363.3
333.7
305.0
282.3
267.0
255.5
256.4
248.1
229.1
210.6
194.8
184.2
176.8
162.9
151.3
135.1
117.1
99.0
88.4
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23.6
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