

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: P845887

Luminaire Tested: **GLAN-SB1B-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4267 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

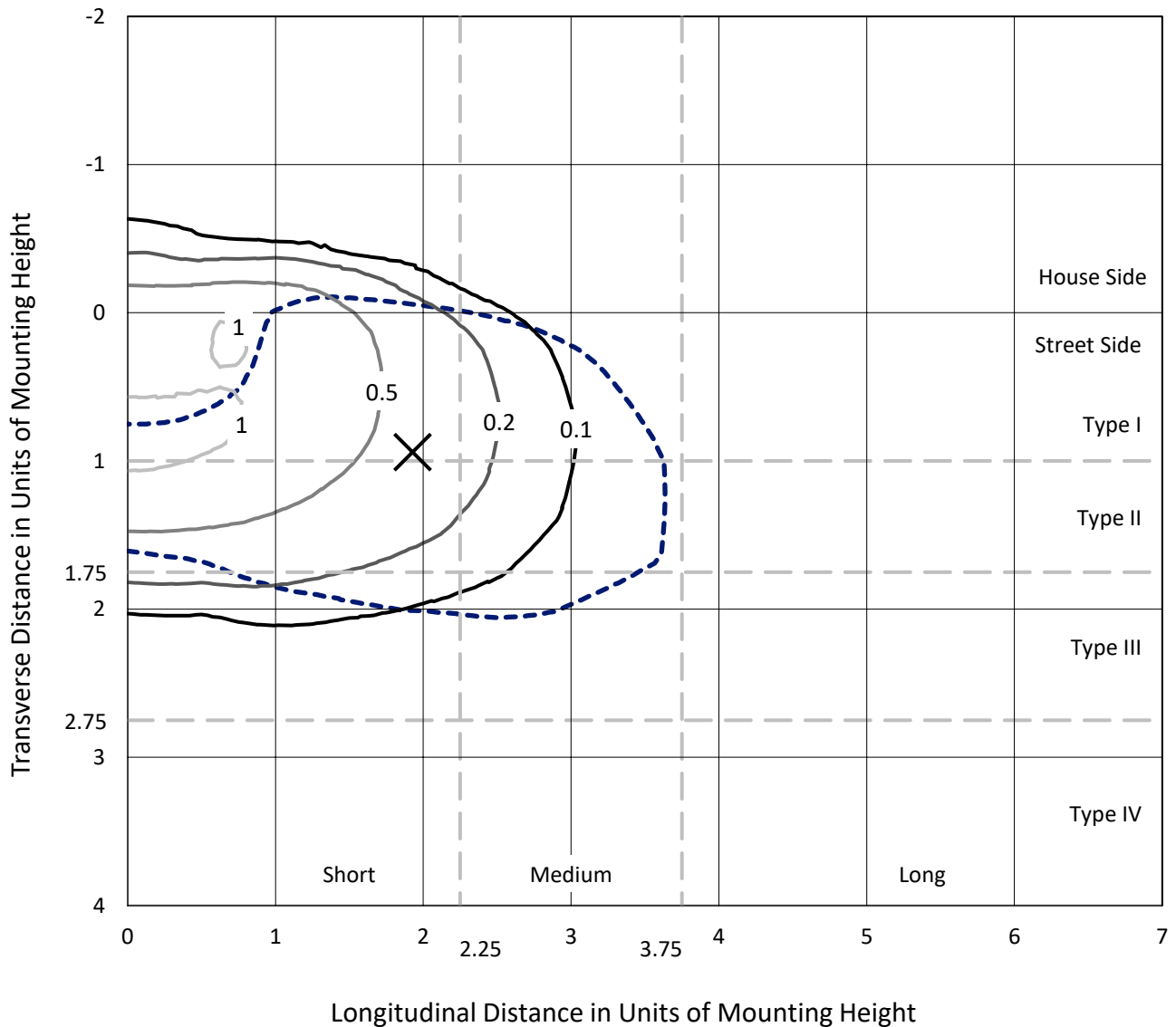
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

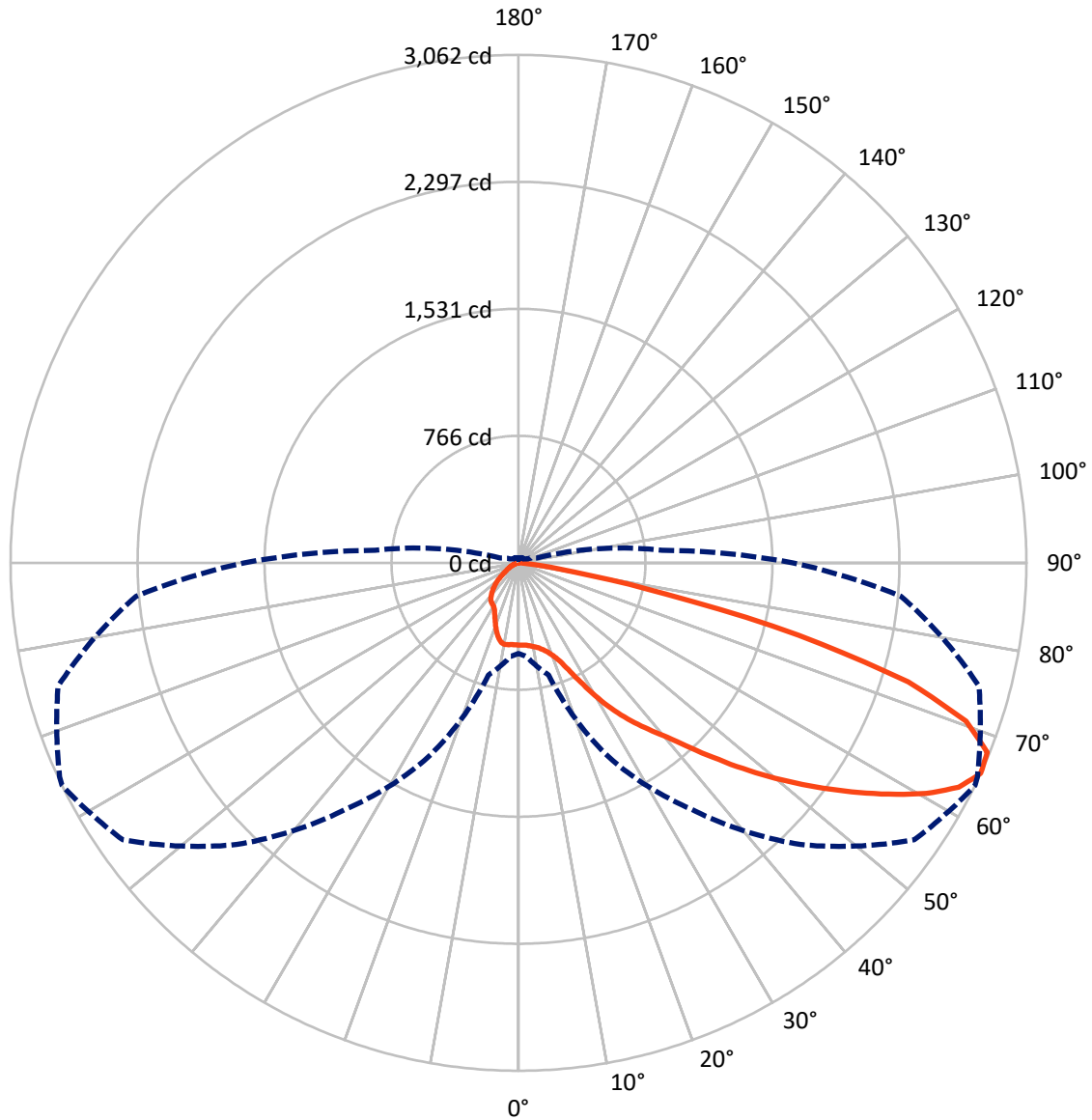
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	570.6	0.0	570.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3696.4	0.0	3696.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	4267.0	0.0	4267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.1
10°-20°	124.2	2.9
20°-30°	235.3	5.5
30°-40°	476.2	11.2
40°-50°	811.2	19.0
50°-60°	1103.2	25.9
60°-70°	1035.9	24.3
70°-80°	415.0	9.7
80°-90°	20.1	0.5
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°	4267.0	100.0
0°-180°	4267.0	100.0

Coefficient of Utilization



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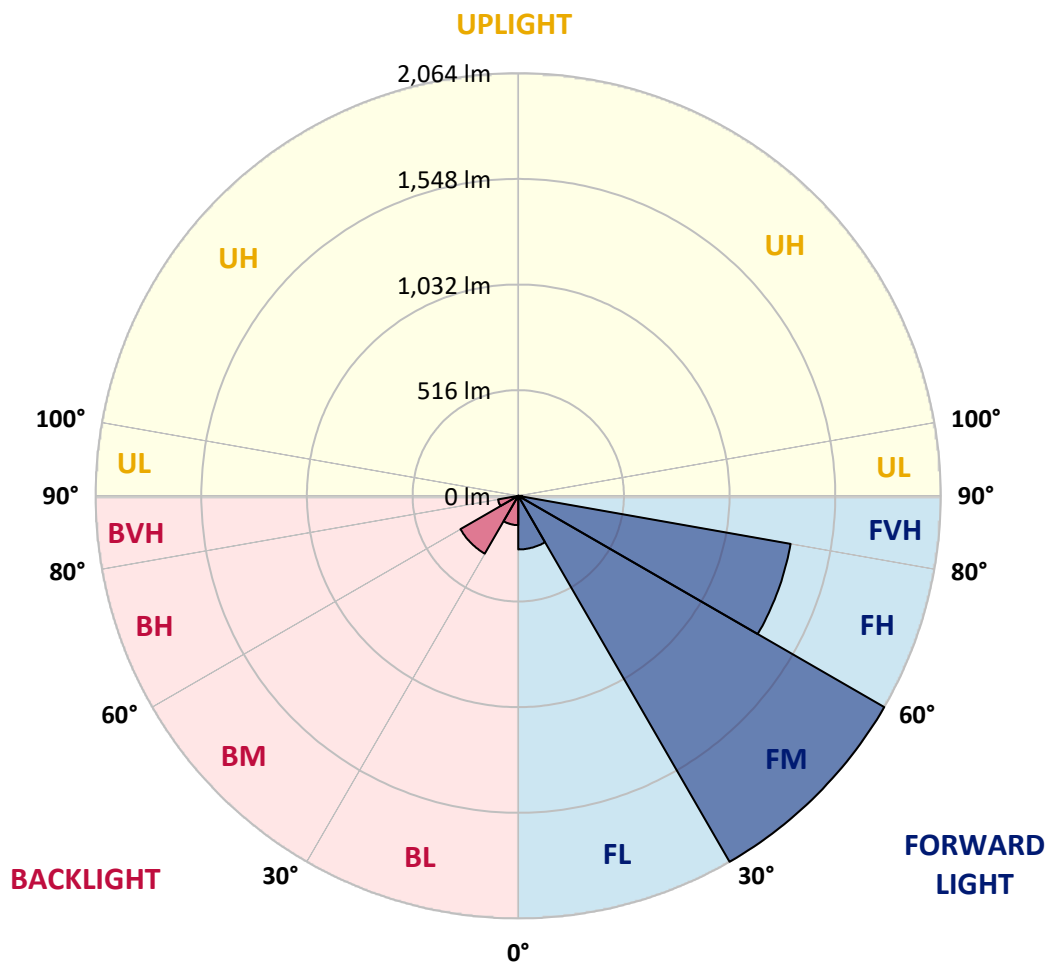
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.0	6.1			
FM (30°-60°)	2064.4	48.4			
FH (60°-80°)	1350.8	31.7			G1/1800
FVH (80°-90°)	19.1	0.4			G1/100
BL (0°-30°)	143.3	3.4	B1/500		
BM (30°-60°)	326.2	7.6	B1/1000		
BH (60°-80°)	100.2	2.3	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	496.3	496.3	496.3	496.3	496.3	496.3	496.3	496.3	496.3	496.3
2.5°	494.6	498.0	497.2	496.3	496.0	496.6	496.9	496.6	496.6	496.6
5°	485.1	488.0	488.0	490.0	492.9	496.3	498.9	499.4	500.0	500.9
7.5°	467.1	469.4	471.1	477.7	484.9	494.0	501.7	505.7	506.3	509.5
10°	454.8	457.7	460.5	467.4	477.7	491.4	504.6	514.3	515.7	523.2
12.5°	454.2	457.1	460.8	468.3	480.3	494.9	510.9	524.9	527.5	538.3
15°	460.3	463.7	467.1	476.3	489.1	506.9	524.0	541.5	544.1	559.5
17.5°	472.6	477.1	479.7	488.9	502.6	522.3	544.9	564.9	567.2	585.3
20°	496.9	502.3	503.2	510.6	524.0	545.2	572.1	597.0	599.8	620.4
22.5°	547.2	554.9	548.1	551.8	563.8	585.0	614.1	645.6	649.6	673.1
25°	635.9	646.8	629.0	622.7	627.9	649.9	686.5	726.3	730.9	749.7
27.5°	810.1	796.1	769.2	742.9	727.4	740.0	781.2	830.4	836.1	854.4
30°	1001.5	989.2	952.8	894.5	857.9	855.9	893.9	948.8	955.4	972.9
32.5°	1193.1	1181.4	1141.9	1070.1	1006.6	975.1	1001.5	1062.4	1065.8	1077.0
35°	1381.6	1369.6	1330.1	1256.6	1178.5	1107.0	1101.9	1170.5	1171.7	1183.4
37.5°	1571.3	1561.3	1519.2	1447.1	1370.2	1271.5	1223.7	1272.9	1274.4	1285.8
40°	1706.6	1710.9	1682.0	1626.2	1560.1	1452.3	1360.5	1381.9	1373.3	1392.5
42.5°	1822.7	1831.3	1806.1	1778.1	1739.8	1644.8	1529.8	1526.1	1512.3	1522.6
45°	1923.1	1930.3	1907.7	1901.1	1900.2	1833.6	1714.9	1692.6	1673.4	1671.4
47.5°	1960.0	1973.7	1983.5	2005.5	2048.4	2020.4	1906.2	1871.6	1850.2	1834.4
50°	1974.0	1988.6	2021.8	2085.9	2187.4	2199.4	2096.7	2057.8	2031.5	2002.9
52.5°	1955.2	1981.2	2025.8	2133.6	2281.0	2343.0	2279.5	2245.5	2215.5	2168.8
55°	1843.9	1869.9	1961.2	2133.1	2327.6	2443.7	2452.3	2437.1	2403.4	2329.9
57.5°	1609.3	1647.9	1792.4	2060.4	2326.7	2530.4	2621.6	2632.5	2594.8	2489.5
60°	1284.4	1336.7	1512.9	1899.4	2254.9	2577.3	2770.1	2824.5	2784.4	2646.8
62.5°	896.2	956.8	1123.6	1647.1	2090.7	2543.6	2878.5	2978.9	2948.6	2787.6
65°	546.6	566.1	700.5	1296.1	1811.6	2402.2	2912.0	3062.4	3052.4	2873.7
67.5°	364.1	380.4	419.1	888.8	1406.2	2119.9	2831.9	3047.9	3050.7	2859.6
70°	219.4	233.4	258.6	516.9	911.4	1678.0	2583.9	2861.9	2878.5	2672.3
72.5°	90.4	99.8	122.7	234.3	472.0	1065.0	2057.6	2457.2	2495.8	2246.9
75°	51.2	56.1	72.1	117.6	204.8	496.3	1246.3	1744.3	1801.3	1548.7
77.5°	34.0	36.3	46.6	76.1	115.3	169.3	532.6	908.8	1017.5	845.8
80°	22.9	24.9	32.0	50.9	74.9	72.7	169.6	336.7	414.2	290.6
82.5°	15.4	15.7	22.9	33.5	47.5	35.2	50.1	104.7	131.6	84.1
85°	8.9	8.6	16.9	19.5	21.2	14.6	15.2	31.5	41.2	35.5
87.5°	1.1	1.7	6.6	5.1	2.9	3.1	3.1	5.4	8.0	8.6
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°
496.3	0°	496.3	496.3	496.3	496.3	496.3	496.3	496.3	496.3	496.3	496.3
496.9	2.5°	496.9	496.6	495.7	494.9	492.9	491.7	492.3	491.7	491.4	491.7
500.6	5°	500.6	499.7	497.4	494.6	490.6	485.7	482.6	478.0	473.7	471.1
510.6	7.5°	510.6	509.7	506.6	498.6	485.7	465.4	446.8	430.5	418.2	411.1
526.6	10°	526.6	525.2	520.3	502.6	468.8	424.5	387.6	357.0	337.0	327.5
545.5	12.5°	545.5	543.8	535.2	498.9	436.8	367.6	316.7	282.6	264.0	255.7
567.2	15°	567.8	565.5	548.6	481.1	390.2	304.6	258.0	232.6	220.5	213.1
595.0	17.5°	595.6	591.6	558.7	454.5	339.5	256.6	222.0	202.8	192.2	185.1
631.3	20°	631.6	625.0	566.7	422.8	292.9	226.3	197.7	181.6	173.6	167.3
682.8	22.5°	681.9	672.5	576.4	388.5	260.0	205.4	179.6	167.9	161.3	154.2
754.6	25°	744.3	733.1	588.4	356.7	237.4	187.4	166.5	156.8	149.0	140.7
848.7	27.5°	831.5	811.5	602.7	330.7	218.0	171.9	154.5	143.6	134.7	127.9
955.4	30°	928.8	895.9	615.3	314.9	200.2	157.6	138.7	127.9	119.6	114.7
1051.2	32.5°	1020.9	976.3	623.6	308.1	184.2	141.3	121.6	109.8	103.6	102.1
1145.1	35°	1107.9	1048.9	622.7	301.5	169.9	125.0	104.7	92.7	87.8	88.7
1246.0	37.5°	1208.0	1126.5	616.7	291.2	158.2	110.1	90.1	79.5	75.2	75.5
1368.7	40°	1324.4	1216.0	613.0	271.7	145.3	96.4	78.1	69.5	66.4	65.2
1498.0	42.5°	1448.6	1302.7	613.6	249.7	129.3	84.1	69.8	62.6	59.8	58.9
1641.9	45°	1573.3	1385.3	614.4	226.8	112.4	74.7	63.8	57.8	56.1	54.9
1787.8	47.5°	1690.6	1455.7	598.4	202.2	95.8	67.5	58.9	54.9	53.5	52.1
1934.3	50°	1799.8	1502.6	559.8	173.6	82.7	61.8	55.2	52.3	50.9	49.5
2067.0	52.5°	1884.8	1510.1	496.0	144.2	73.5	57.5	52.9	50.3	48.6	47.2
2174.3	55°	1922.5	1463.4	405.3	116.7	66.4	53.8	50.6	48.1	46.1	44.6
2258.6	57.5°	1912.8	1365.3	316.1	93.8	59.5	50.1	47.8	46.1	43.8	41.5
2327.0	60°	1865.0	1234.0	238.3	78.1	53.2	46.1	44.6	43.2	40.0	36.6
2353.3	62.5°	1782.4	1069.0	169.9	64.6	46.3	41.5	40.9	39.8	35.2	28.9
2314.4	65°	1655.9	868.4	114.4	53.8	39.8	36.3	36.6	34.6	28.6	21.5
2172.0	67.5°	1471.2	635.0	73.2	44.1	33.2	30.3	30.6	29.5	24.3	18.3
1901.9	70°	1235.7	420.5	47.8	33.5	26.6	23.5	25.2	25.5	20.6	14.9
1459.7	72.5°	905.9	248.3	33.5	24.9	19.5	16.3	20.6	21.2	16.6	11.2
878.2	75°	516.3	117.9	25.2	18.0	12.0	11.4	16.0	16.0	11.4	7.4
380.2	77.5°	216.8	49.2	17.7	11.7	6.9	6.6	10.9	10.0	5.7	3.4
92.7	80°	62.6	22.0	9.4	5.7	2.9	2.6	4.3	3.1	1.4	0.6
35.2	82.5°	24.6	9.7	3.7	2.3	1.1	1.1	0.6	0.0	0.0	0.0
20.0	85°	14.6	4.0	1.7	0.9	0.3	0.0	0.0	0.0	0.0	0.0
4.3	87.5°	3.7	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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496.3
492.9
471.7
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