

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: P852222

Luminaire Tested: **GLAN-SB2B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8236 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

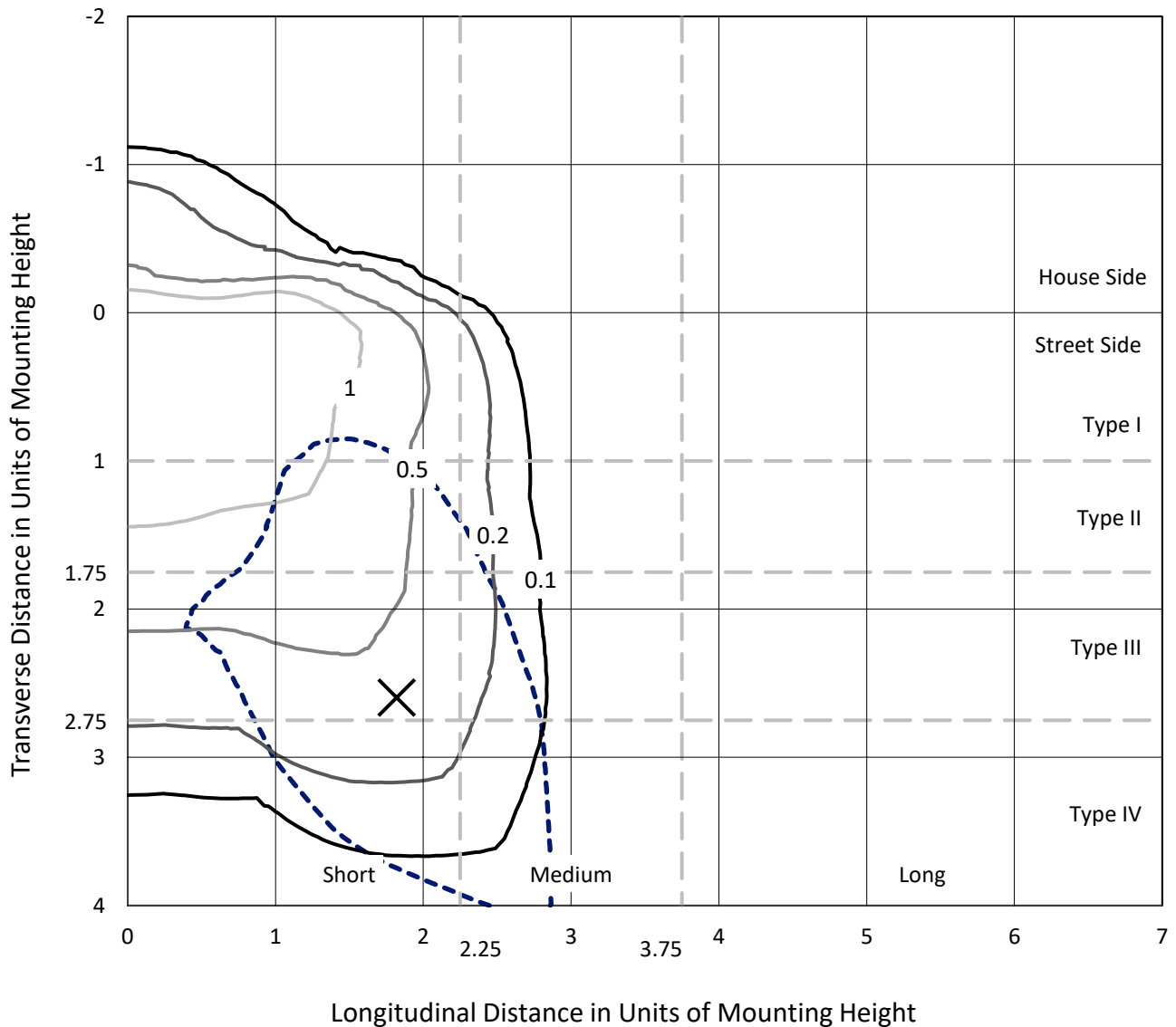
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

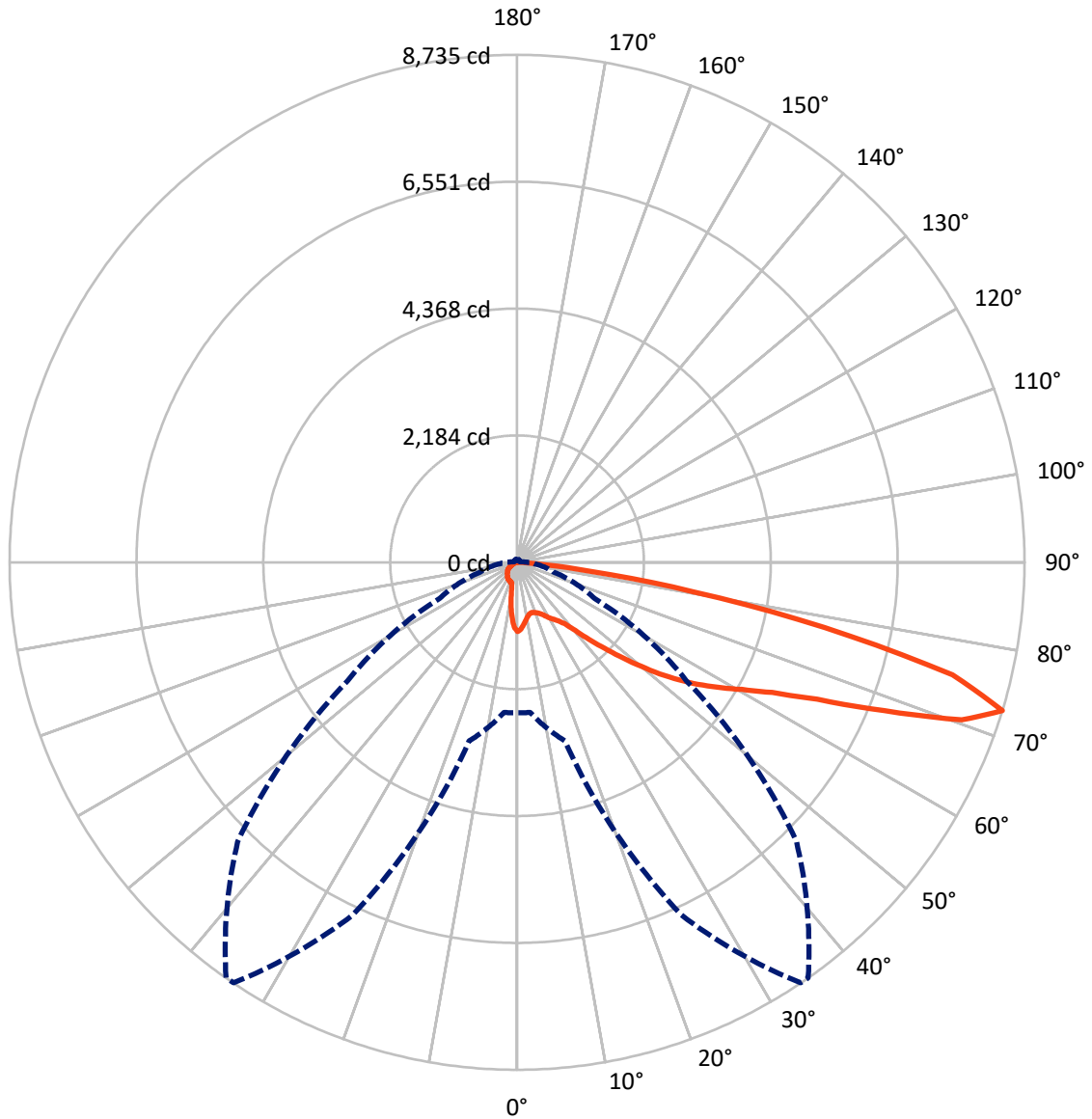
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	926.9	0.0	926.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	7309.1	0.0	7309.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	8236.0	0.0	8236.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.2
10°-20°	229.5	2.8
20°-30°	372.8	4.5
30°-40°	621.9	7.6
40°-50°	1176.7	14.3
50°-60°	1869.8	22.7
60°-70°	2313.1	28.1
70°-80°	1437.9	17.5
80°-90°	116.2	1.4
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°	8236.0	100.0
0°-180°	8236.0	100.0

Coefficient of Utilization

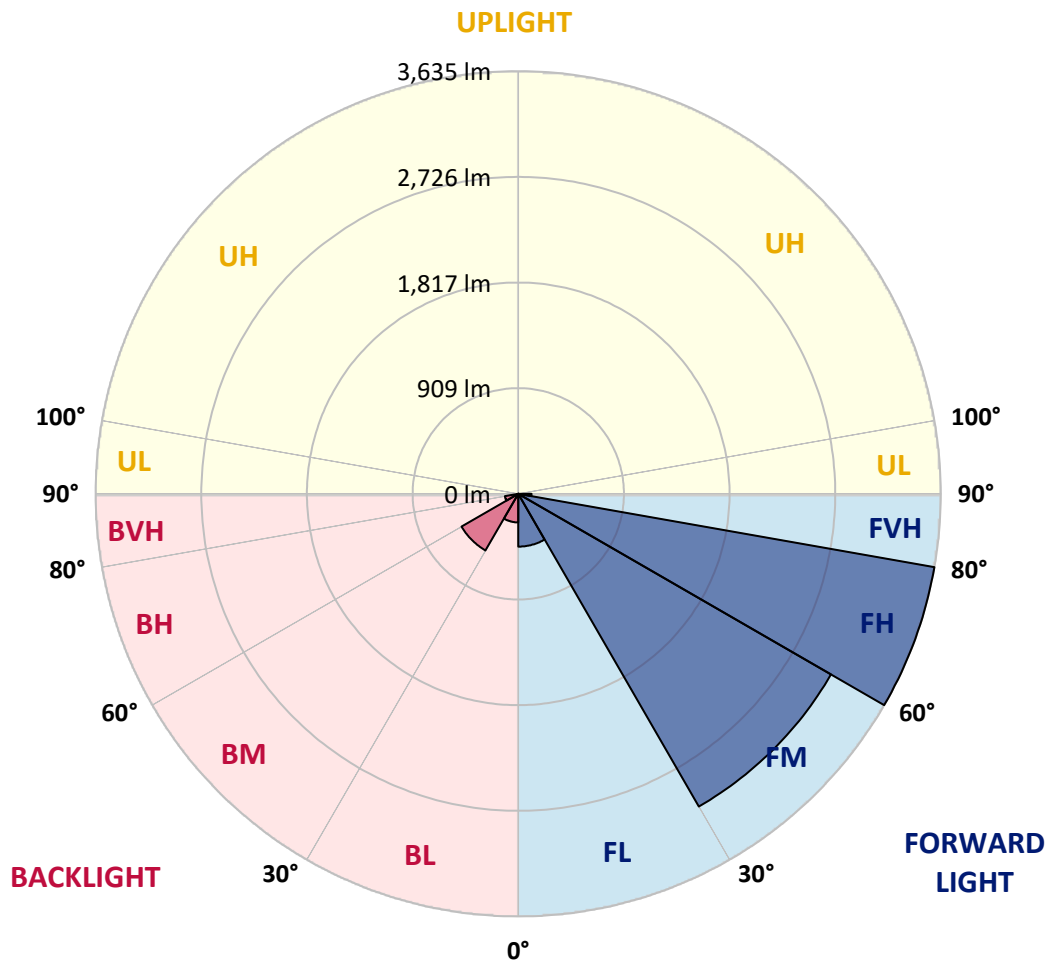


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.0	5.5			
FM (30°-60°)	3105.8	37.7			
FH (60°-80°)	3634.6	44.1			G2/5000
FVH (80°-90°)	114.6	1.4			G2/225
BL (0°-30°)	246.3	3.0	B1/500		
BM (30°-60°)	562.7	6.8	B1/1000		
BH (60°-80°)	116.3	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	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-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7
2.5°	1140.6	1150.2	1152.0	1155.1	1155.1	1158.7	1164.7	1173.2	1187.0	1194.3
5°	1051.3	1058.5	1067.5	1074.8	1088.7	1090.5	1114.0	1136.9	1168.9	1193.1
7.5°	961.3	969.8	981.9	999.4	1017.5	1022.9	1058.5	1097.1	1147.8	1193.1
10°	898.0	898.6	909.4	926.9	955.9	962.5	1006.0	1060.9	1124.3	1185.8
12.5°	862.4	866.6	871.4	884.7	912.5	916.7	963.1	1027.7	1100.7	1181.6
15°	862.4	865.4	868.4	875.0	897.4	901.0	942.0	1006.6	1088.7	1183.4
17.5°	871.4	876.2	873.8	881.7	905.2	907.6	943.8	1000.6	1088.1	1194.9
20°	893.1	896.8	891.9	896.8	920.3	925.1	962.5	1012.0	1098.3	1214.8
22.5°	927.5	929.4	917.9	921.5	945.6	951.7	995.1	1044.6	1123.1	1246.8
25°	971.0	974.6	957.1	961.3	984.3	991.5	1041.6	1093.5	1162.3	1290.8
27.5°	1021.1	1022.9	1007.8	1007.2	1036.8	1047.0	1097.7	1153.8	1214.8	1346.4
30°	1078.4	1083.8	1069.4	1066.9	1104.4	1112.8	1162.9	1228.1	1292.0	1429.6
32.5°	1123.7	1127.9	1119.4	1125.5	1163.5	1170.1	1242.0	1333.1	1413.3	1547.9
35°	1188.8	1191.3	1171.9	1182.8	1226.3	1243.2	1350.0	1480.3	1566.0	1696.4
37.5°	1424.8	1424.8	1342.7	1289.0	1330.7	1345.7	1497.8	1665.6	1754.3	1895.5
40°	1751.3	1745.9	1625.8	1515.9	1510.5	1540.1	1708.4	1899.1	1997.5	2134.5
42.5°	2099.5	2091.0	1927.5	1818.9	1800.8	1811.0	1951.6	2187.0	2287.2	2426.0
45°	2408.5	2406.1	2256.4	2110.4	2077.8	2110.4	2255.2	2523.7	2595.5	2741.6
47.5°	2667.4	2667.4	2558.1	2462.8	2445.9	2465.2	2666.2	2897.3	2890.6	3077.7
50°	2965.5	2963.1	2859.3	2818.2	2835.7	2862.9	3139.3	3290.7	3196.0	3407.8
52.5°	3174.3	3188.8	3153.2	3146.5	3235.8	3282.9	3619.6	3675.8	3469.4	3721.0
55°	3339.6	3356.5	3397.6	3444.0	3616.0	3677.6	4084.9	4040.9	3698.1	3992.6
57.5°	3573.8	3549.6	3613.0	3704.7	3982.9	4057.2	4535.7	4385.4	3882.2	4212.9
60°	3858.0	3861.6	3872.5	3988.4	4349.2	4444.6	4979.9	4711.3	4000.4	4348.0
62.5°	4199.6	4205.0	4227.3	4405.4	4841.1	4931.0	5453.0	4978.1	4054.7	4310.0
65°	4176.0	4199.0	4448.2	5057.1	5588.8	5677.5	6005.2	5165.1	3972.7	3962.4
67.5°	3804.3	3841.7	4258.7	5835.6	6716.1	6815.0	6672.6	5202.0	3618.4	3081.3
70°	3316.7	3330.0	3831.5	6535.6	8021.4	8121.6	7270.1	4797.0	2745.8	1718.7
72.5°	2590.1	2593.1	3181.5	6698.0	8729.9	8735.3	6801.2	3561.1	1476.7	660.2
75°	1850.3	1832.1	2130.9	5431.9	7680.4	7742.0	5098.8	1670.4	564.2	312.0
77.5°	992.1	1012.0	1205.7	3221.3	5305.7	5410.8	2782.0	481.6	287.3	212.4
80°	306.6	323.5	494.2	1474.9	3005.3	3068.7	1031.3	214.2	200.4	151.5
82.5°	96.6	100.2	230.5	619.8	1247.4	1276.3	298.7	121.3	137.0	100.2
85°	27.8	28.4	102.6	231.1	308.4	314.4	83.9	47.1	78.5	62.2
87.5°	3.0	9.7	38.6	38.6	27.2	26.6	9.1	10.3	22.3	7.8
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°
1193.7	0°	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7	1193.7
1199.1	2.5°	1196.1	1196.7	1188.8	1175.6	1161.1	1149.0	1133.9	1121.9	1113.4	1111.0
1210.0	5°	1204.5	1200.3	1178.0	1137.5	1089.3	1047.6	1001.2	964.4	940.2	930.0
1221.4	7.5°	1217.2	1205.1	1156.3	1076.6	984.3	902.2	818.9	754.3	713.3	692.8
1232.3	10°	1228.1	1203.9	1120.0	988.5	847.3	723.0	610.7	532.9	489.4	468.9
1245.0	12.5°	1238.3	1203.3	1073.0	884.1	692.8	540.7	436.3	397.7	385.6	381.4
1265.5	15°	1257.6	1205.1	1013.8	764.6	538.9	408.6	370.5	369.9	372.3	371.1
1296.9	17.5°	1284.2	1206.9	946.9	637.9	415.8	360.3	358.5	363.9	367.5	365.7
1336.1	20°	1318.6	1214.2	875.6	512.3	357.3	348.2	352.4	357.3	360.3	357.3
1388.6	22.5°	1366.9	1226.9	797.8	411.6	338.5	341.0	344.6	350.0	353.0	348.8
1455.6	25°	1426.0	1246.8	721.2	357.9	329.5	332.5	337.9	344.0	347.6	343.4
1540.1	27.5°	1502.7	1278.8	650.5	345.8	320.4	322.3	330.1	339.2	344.0	338.5
1660.2	30°	1613.7	1331.3	589.6	351.2	315.0	310.8	321.7	334.3	339.8	334.9
1823.7	32.5°	1760.9	1405.5	552.2	359.7	312.6	297.5	307.8	324.1	333.1	330.1
2037.3	35°	1954.1	1518.3	537.7	369.3	310.8	283.6	290.9	308.4	324.1	327.1
2306.5	37.5°	2188.2	1675.2	541.9	373.6	305.4	272.2	275.8	290.9	311.4	321.0
2609.4	40°	2454.3	1858.1	566.1	369.3	299.3	262.5	263.1	274.6	292.7	307.2
2935.3	42.5°	2728.9	2071.7	610.7	353.6	293.9	254.1	252.3	260.1	272.2	282.4
3260.6	45°	2990.2	2291.4	654.8	331.9	287.3	245.6	241.4	244.4	246.8	251.0
3577.4	47.5°	3218.3	2445.9	642.1	312.0	278.2	236.0	228.7	227.5	220.3	219.7
3860.4	50°	3375.8	2479.7	570.3	292.1	264.9	225.1	213.6	206.4	193.7	187.7
4072.2	52.5°	3425.9	2346.3	465.9	272.2	243.2	210.6	194.3	182.9	167.2	161.7
4194.1	55°	3359.5	2085.0	372.3	248.0	213.0	191.3	173.2	158.1	145.4	138.8
4207.4	57.5°	3197.2	1752.5	294.5	219.7	181.0	169.6	151.5	136.4	125.5	118.9
4060.2	60°	2928.1	1391.6	232.9	185.9	154.5	146.0	127.3	117.7	108.0	100.2
3680.0	62.5°	2519.5	993.3	182.9	147.2	129.1	119.5	108.6	101.4	89.9	79.1
2996.3	65°	1966.1	607.7	141.2	108.0	103.8	99.0	92.3	85.7	71.8	61.0
1954.7	67.5°	1240.1	287.9	100.8	81.5	82.1	79.7	76.6	71.2	61.0	51.3
875.6	70°	546.1	139.4	66.4	62.2	61.0	61.0	63.4	61.6	51.9	42.8
304.2	72.5°	185.9	74.8	49.5	47.1	44.1	43.5	53.1	51.3	41.6	33.2
151.5	75°	97.2	50.1	36.2	33.8	26.6	32.0	42.2	39.8	29.6	21.7
100.2	77.5°	63.4	35.6	24.7	21.7	15.1	21.1	31.4	27.8	17.5	10.9
65.8	80°	39.8	23.5	14.5	10.3	7.2	11.5	16.9	12.1	6.6	2.4
38.6	82.5°	21.1	12.1	5.4	3.6	3.0	3.6	4.2	3.0	1.2	0.0
19.9	85°	8.4	4.2	1.8	1.2	0.6	0.0	1.2	0.6	0.0	0.0
3.6	87.5°	3.0	0.6	0.0	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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1193.7
1115.2
933.6
695.8
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356.7
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334.3
330.1
327.1
323.5
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