

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: P845788

Luminaire Tested: **GLAN-SB1A-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3718 lumens
Efficiency: N/A
Efficacy: 120.3 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

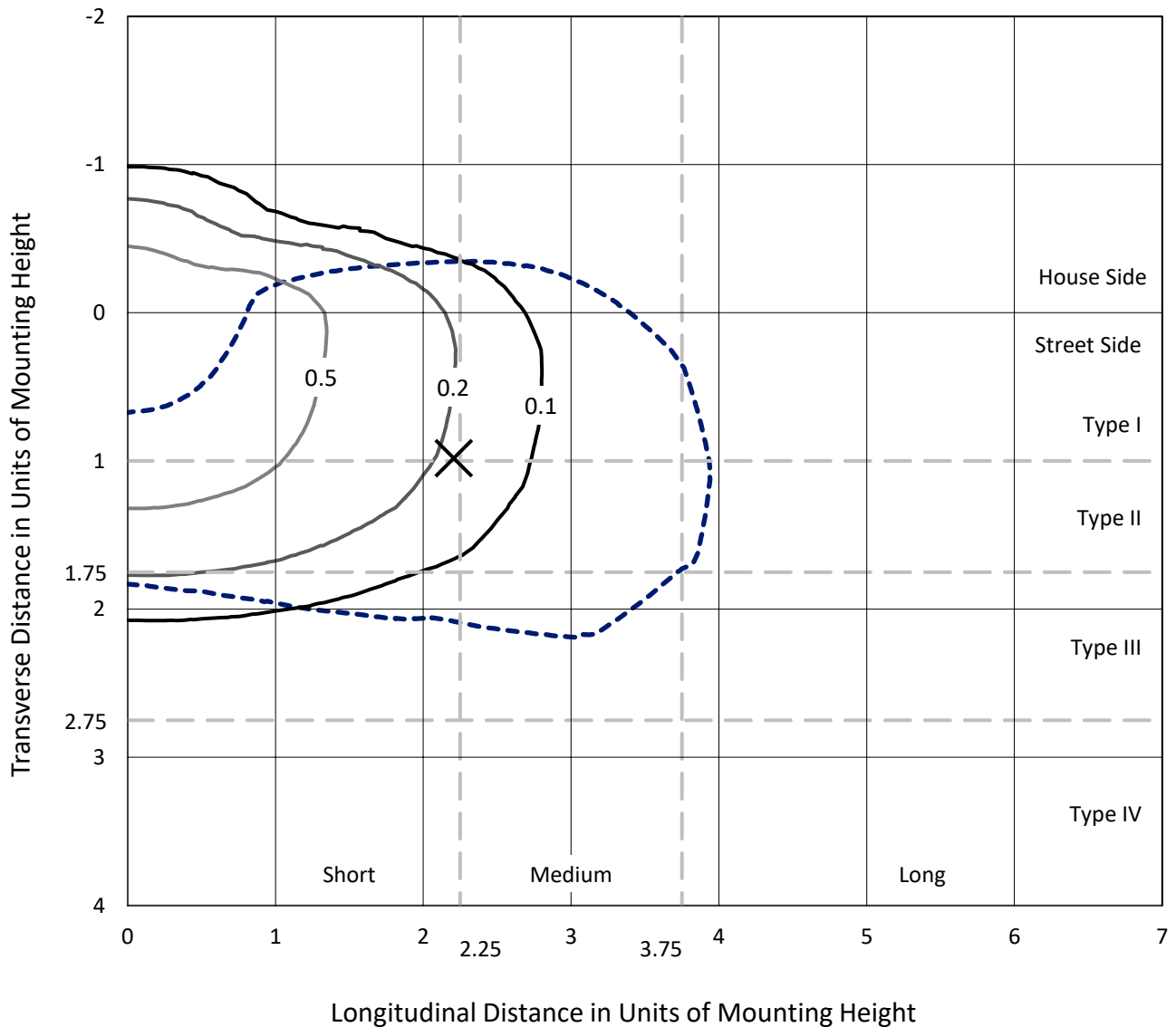
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

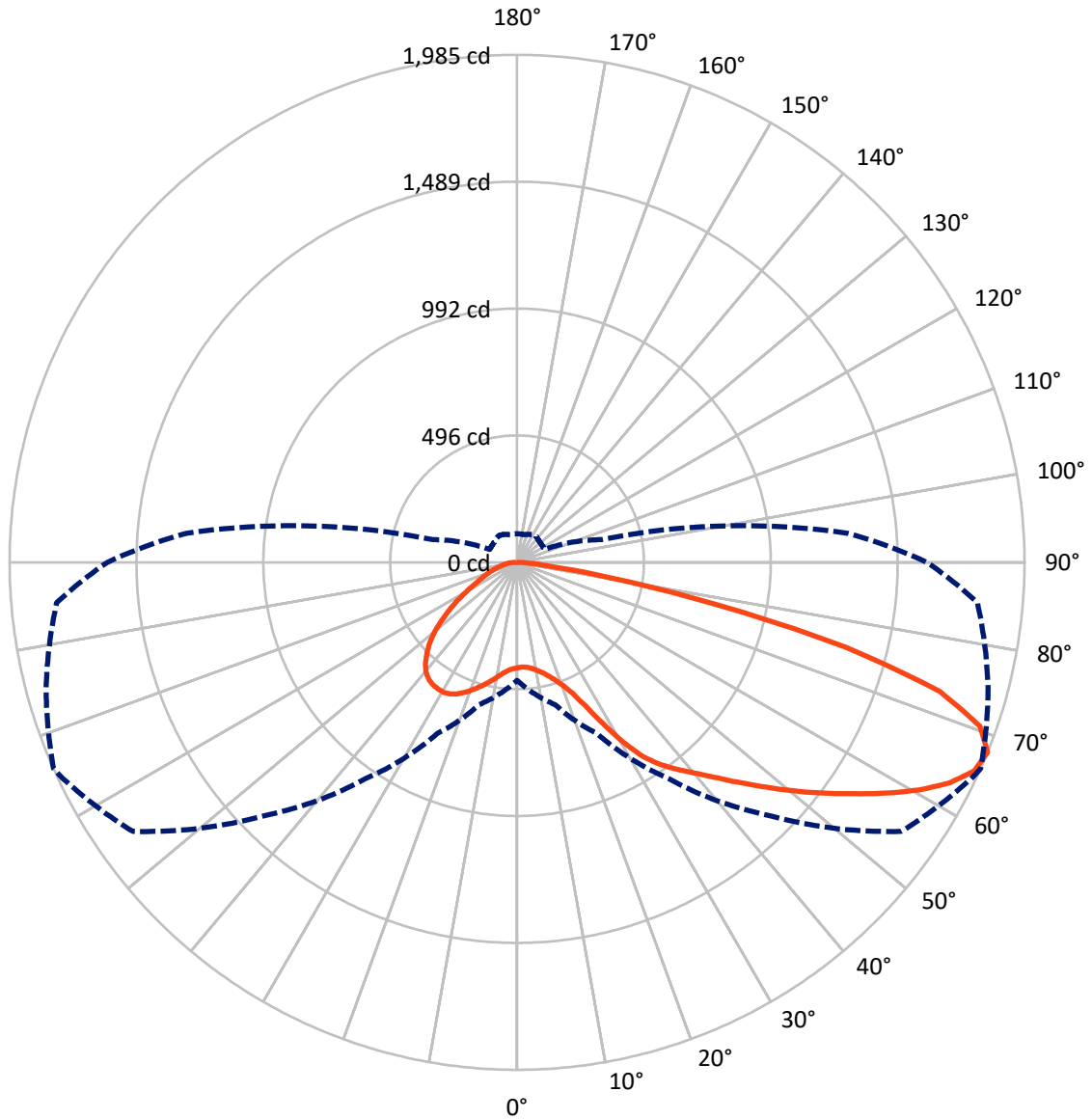
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	924.5	0.0	924.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2793.5	0.0	2793.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	3718.0	0.0	3718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.1
10°-20°	135.1	3.6
20°-30°	260.4	7.0
30°-40°	456.5	12.3
40°-50°	678.7	18.3
50°-60°	860.3	23.1
60°-70°	841.8	22.6
70°-80°	401.5	10.8
80°-90°	42.9	1.2
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°	3718.0	100.0
0°-180°	3718.0	100.0

Coefficient of Utilization



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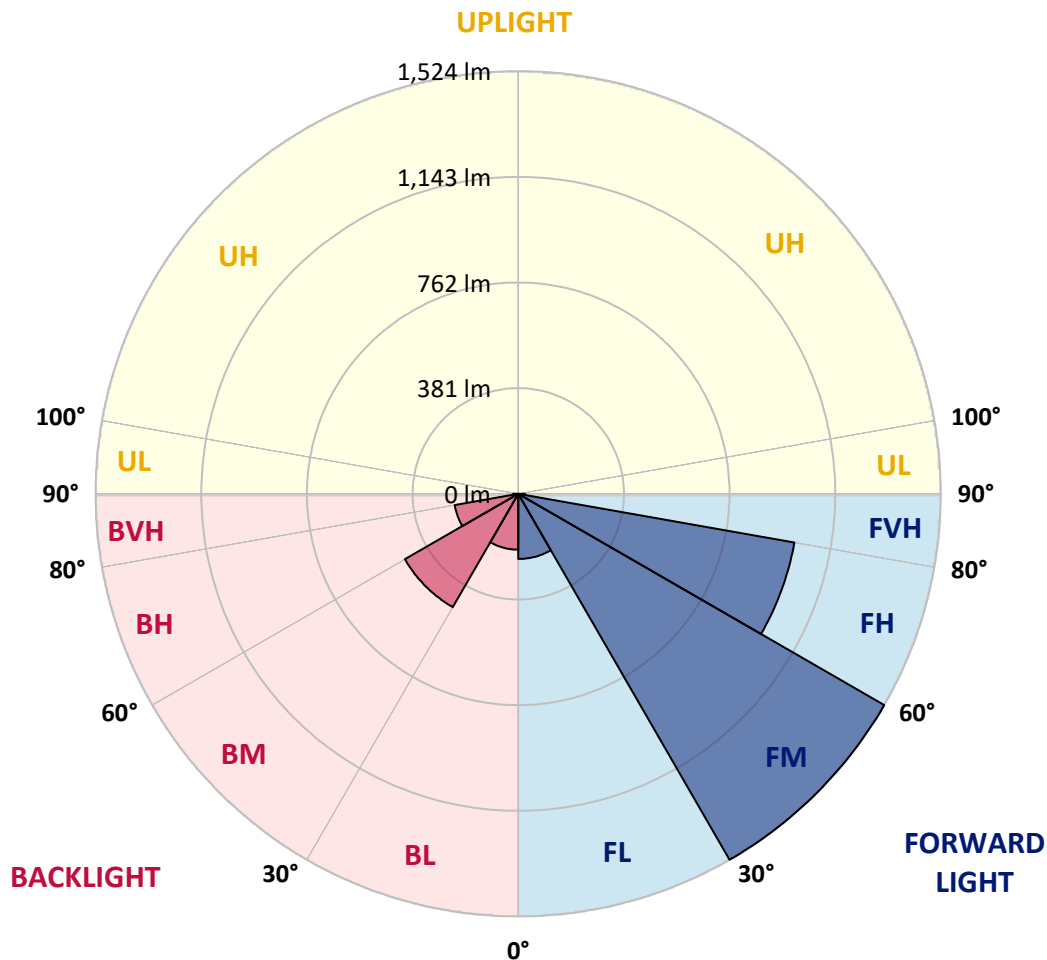
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.9	6.3			
FM (30°-60°)	1523.6	41.0			
FH (60°-80°)	1010.7	27.2			G1/1800
FVH (80°-90°)	24.3	0.7			G1/100
BL (0°-30°)	201.4	5.4	B1/500		
BM (30°-60°)	471.9	12.7	B1/1000		
BH (60°-80°)	232.6	6.3	B1/500		G1/500
BVH (80°-90°)	18.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4
2.5°	408.1	410.4	409.8	408.9	408.7	409.1	409.6	410.2	410.0	411.0
5°	406.9	409.2	409.1	409.1	409.8	411.4	412.4	413.4	412.4	413.5
7.5°	407.7	409.4	410.2	411.0	413.0	415.9	418.2	420.4	419.2	420.6
10°	417.6	419.0	419.8	419.8	421.2	424.5	426.8	430.7	429.8	431.9
12.5°	435.8	437.2	437.2	436.4	437.4	439.5	440.3	444.6	442.8	446.4
15°	458.1	460.8	458.7	457.3	457.7	459.8	459.6	463.0	461.2	464.1
17.5°	482.7	486.2	482.7	482.5	481.7	484.1	484.3	487.2	484.1	486.2
20°	511.8	516.7	513.8	514.7	513.0	514.0	514.9	519.2	514.3	515.9
22.5°	552.8	558.7	555.6	559.3	558.1	557.3	557.1	564.7	557.1	557.7
25°	612.6	619.6	614.2	619.2	619.2	621.8	624.7	634.5	621.8	618.1
27.5°	700.9	707.9	697.2	700.3	699.3	705.6	702.5	726.7	713.0	707.0
30°	807.2	819.7	799.4	798.6	797.6	807.6	812.1	828.1	814.2	808.1
32.5°	922.0	935.1	910.9	903.9	900.2	906.2	902.5	915.4	905.8	896.4
35°	1043.5	1056.4	1033.4	1019.7	1004.9	992.2	978.9	982.2	973.2	959.0
37.5°	1158.4	1182.0	1157.6	1143.0	1115.6	1090.8	1053.7	1038.3	1029.9	1016.8
40°	1275.4	1288.9	1270.3	1257.8	1228.1	1189.3	1129.9	1097.3	1085.9	1073.2
42.5°	1361.6	1374.5	1364.5	1355.9	1332.7	1287.5	1210.8	1169.9	1153.5	1139.3
45°	1429.9	1439.5	1433.3	1436.4	1426.4	1382.7	1294.6	1247.9	1230.9	1213.5
47.5°	1457.5	1467.6	1477.6	1496.2	1513.1	1480.9	1384.6	1332.3	1314.3	1296.5
50°	1454.4	1464.7	1493.6	1533.1	1585.8	1575.1	1479.6	1422.1	1405.5	1385.2
52.5°	1429.3	1441.1	1478.2	1543.8	1627.8	1645.6	1576.2	1514.9	1499.3	1475.1
55°	1363.7	1370.7	1426.4	1519.4	1637.8	1694.8	1671.0	1613.8	1598.1	1564.3
57.5°	1242.0	1252.2	1333.2	1453.6	1612.8	1728.2	1754.2	1717.7	1702.6	1654.0
60°	1083.2	1099.4	1192.2	1343.0	1549.1	1728.0	1829.8	1819.8	1807.3	1742.3
62.5°	903.5	922.2	1011.5	1186.7	1437.7	1679.0	1877.1	1905.4	1899.0	1823.7
65°	693.9	706.8	795.6	984.5	1264.5	1573.7	1882.5	1963.8	1965.0	1885.7
67.5°	462.0	499.1	576.3	738.8	1032.4	1401.6	1834.5	1973.4	1984.7	1907.0
70°	225.4	274.3	349.9	480.2	738.8	1137.7	1708.9	1894.9	1920.1	1844.8
72.5°	93.6	109.4	150.6	237.0	424.1	767.7	1456.5	1681.9	1728.6	1634.7
75°	63.1	68.4	86.1	121.5	193.2	378.6	1050.4	1254.1	1329.3	1234.6
77.5°	48.6	52.0	62.7	85.0	114.9	143.2	562.2	755.8	794.7	735.7
80°	38.3	40.8	46.9	61.9	81.5	76.6	191.6	342.4	364.9	306.1
82.5°	33.2	34.2	33.6	42.0	54.1	44.7	62.9	126.4	139.5	101.2
85°	24.0	26.8	27.9	26.0	28.7	22.7	25.8	44.7	49.2	44.0
87.5°	9.8	14.5	17.8	16.8	10.5	6.4	8.0	13.1	15.0	16.4
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°
412.4	0°	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4
412.6	2.5°	412.8	414.1	415.1	416.3	417.1	418.2	420.6	421.9	422.1	423.1
415.7	5°	416.5	418.4	420.6	423.7	427.2	430.2	434.6	437.8	438.9	439.9
423.3	7.5°	424.5	427.2	431.1	436.6	441.7	445.6	451.1	454.8	458.5	459.8
435.4	10°	436.4	440.3	446.0	453.4	458.9	463.9	469.6	472.7	476.4	478.0
449.9	12.5°	451.2	455.4	462.8	473.1	478.2	481.7	483.7	482.9	483.7	485.0
467.3	15°	468.2	472.7	481.1	492.3	495.8	492.7	488.4	484.5	483.9	484.3
488.4	17.5°	488.4	491.7	501.5	510.8	508.3	495.4	486.0	479.8	476.6	475.7
515.3	20°	516.5	516.5	524.5	530.4	513.4	491.5	476.8	466.7	460.2	457.5
552.0	22.5°	550.7	547.6	552.6	548.5	512.4	480.6	460.2	442.7	432.9	429.0
603.4	25°	594.0	590.3	589.0	563.6	505.4	463.2	430.2	408.9	400.3	398.1
677.5	27.5°	659.5	650.1	632.3	571.8	492.5	435.8	395.0	375.3	370.4	370.6
772.6	30°	746.6	727.9	684.3	573.1	471.4	397.1	359.0	345.0	342.6	343.6
852.5	32.5°	827.3	809.5	737.4	566.9	438.9	359.2	326.8	317.4	313.9	315.1
913.4	35°	890.6	885.7	786.7	558.1	399.1	323.7	297.9	289.9	283.1	281.5
970.9	37.5°	950.4	948.4	823.6	545.8	359.6	298.5	274.7	264.1	254.1	248.7
1034.4	40°	1016.0	1014.0	847.8	526.8	324.7	276.6	253.8	239.9	227.6	217.6
1106.2	42.5°	1089.8	1078.3	859.3	499.7	295.0	258.1	236.8	218.0	201.8	192.6
1187.5	45°	1170.5	1144.5	859.1	465.1	270.0	241.1	218.6	192.0	177.0	168.4
1270.9	47.5°	1256.1	1207.8	848.6	426.8	245.7	222.3	190.5	170.1	160.2	154.9
1361.6	50°	1344.4	1267.0	830.6	382.9	220.9	201.0	172.9	159.0	151.4	146.5
1451.4	52.5°	1427.4	1320.7	808.9	333.1	195.7	180.3	165.1	154.3	146.3	140.8
1538.5	55°	1504.6	1367.0	778.3	282.1	175.2	166.4	161.4	152.4	143.2	136.7
1627.0	57.5°	1573.1	1397.1	725.3	234.2	160.6	156.9	157.4	149.0	138.5	133.0
1714.2	60°	1630.2	1419.2	647.0	189.9	148.7	147.5	151.4	142.8	130.5	124.2
1787.8	62.5°	1664.3	1418.8	550.9	155.5	138.5	138.9	143.4	135.0	122.5	116.6
1826.3	65°	1661.4	1384.0	445.4	133.0	128.7	129.1	135.0	126.4	115.8	112.3
1807.0	67.5°	1602.6	1299.2	341.7	118.4	118.0	119.7	126.6	120.5	111.7	111.3
1691.7	70°	1443.4	1123.2	246.1	106.7	106.9	109.4	118.4	116.8	109.6	110.4
1422.3	72.5°	1157.4	856.4	165.3	94.4	94.5	98.6	110.6	113.9	107.4	117.8
1009.2	75°	770.8	534.1	106.3	81.3	81.5	86.7	103.7	108.2	101.6	117.4
525.1	77.5°	370.4	240.1	77.0	68.4	68.4	73.3	89.7	96.9	86.5	91.2
168.8	80°	128.0	90.2	60.6	55.1	53.9	57.2	75.6	84.0	74.6	68.8
55.1	82.5°	50.4	46.9	48.6	42.8	38.9	41.0	58.8	69.3	54.9	49.6
31.1	85°	28.9	30.5	34.4	28.3	22.5	25.2	43.2	49.8	41.4	36.5
10.2	87.5°	7.8	10.7	15.8	14.7	10.2	10.7	20.5	27.5	23.8	18.4
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°
412.4
422.9
439.7
460.0
478.8
485.4
485.6
477.0
456.9
428.4
398.5
371.2
346.9
316.7
282.7
248.9
218.6
193.2
168.0
153.7
144.8
138.5
134.2
129.5
121.5
114.9
112.1
111.9
110.2
119.4
118.4
83.6
64.5
49.4
37.3
18.9
0.0

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