

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: P852105

Luminaire Tested: **GLAN-SB1B-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4780 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

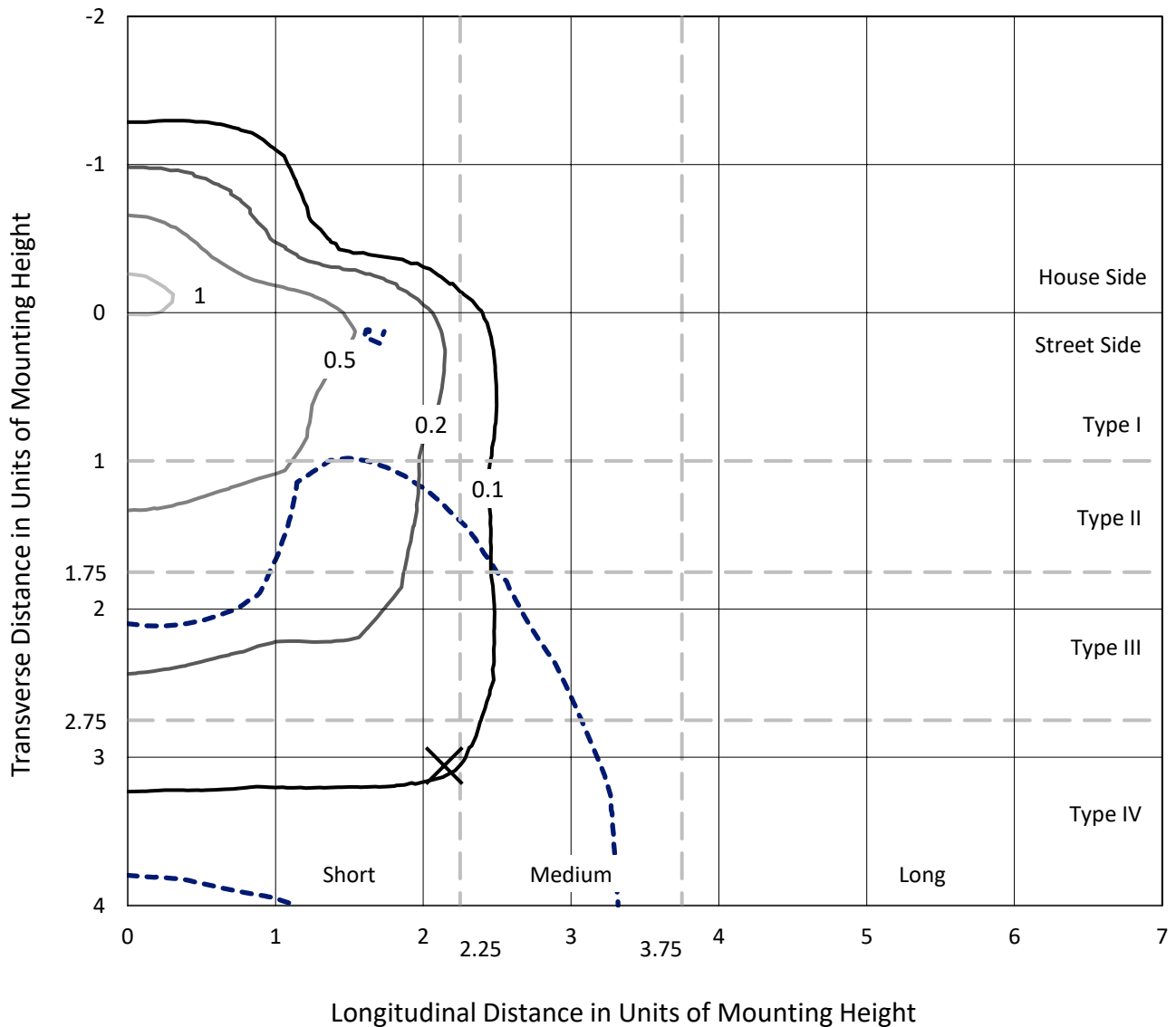
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

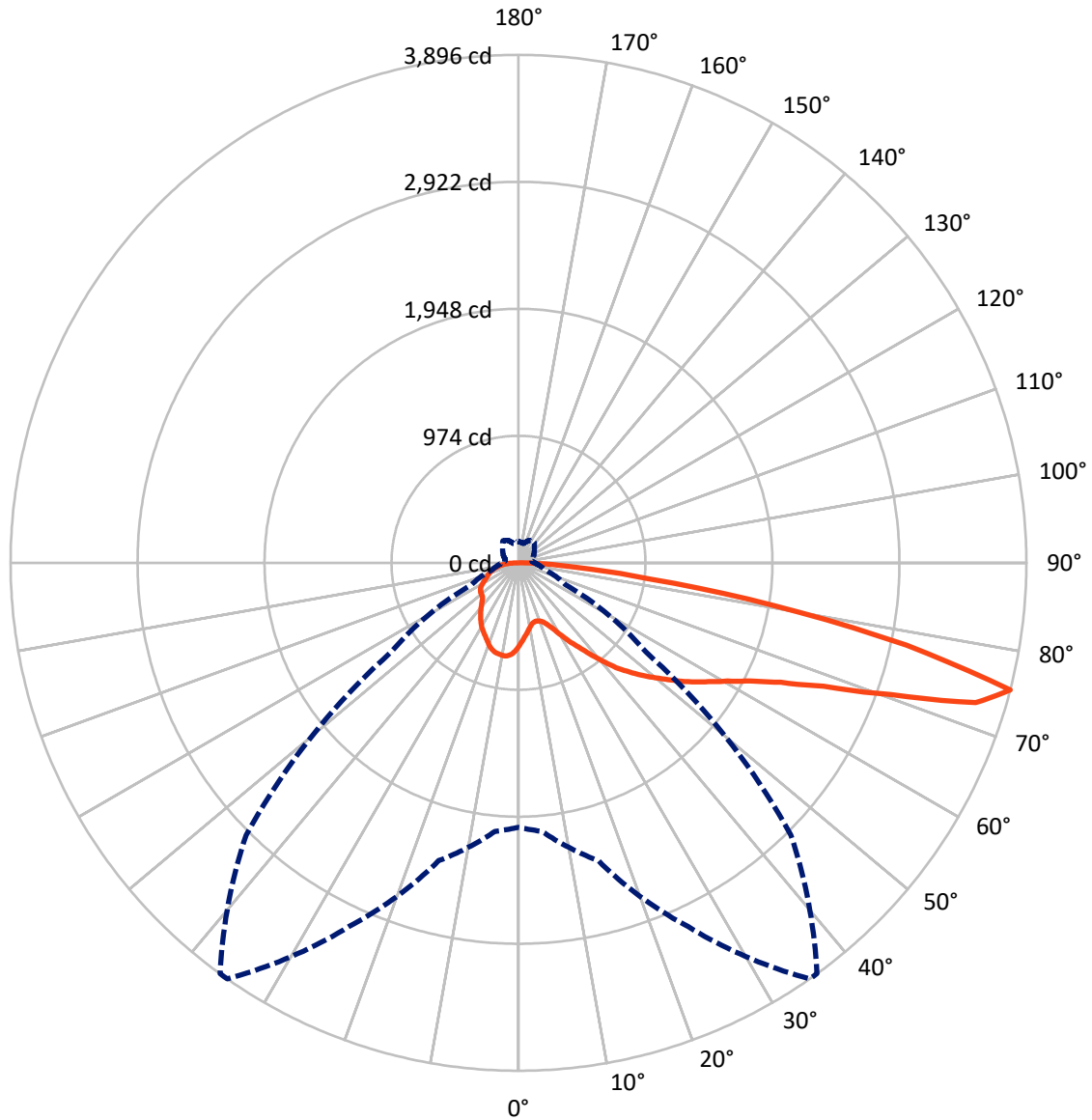
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1137.5	0.0	1137.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	3642.5	0.0	3642.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	4780.0	0.0	4780.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.3	1.3
10°-20°	174.0	3.6
20°-30°	292.1	6.1
30°-40°	454.0	9.5
40°-50°	673.8	14.1
50°-60°	930.3	19.5
60°-70°	1128.6	23.6
70°-80°	932.7	19.5
80°-90°	134.2	2.8
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°	4780.0	100.0
0°-180°	4780.0	100.0

**Coefficient of Utilization**

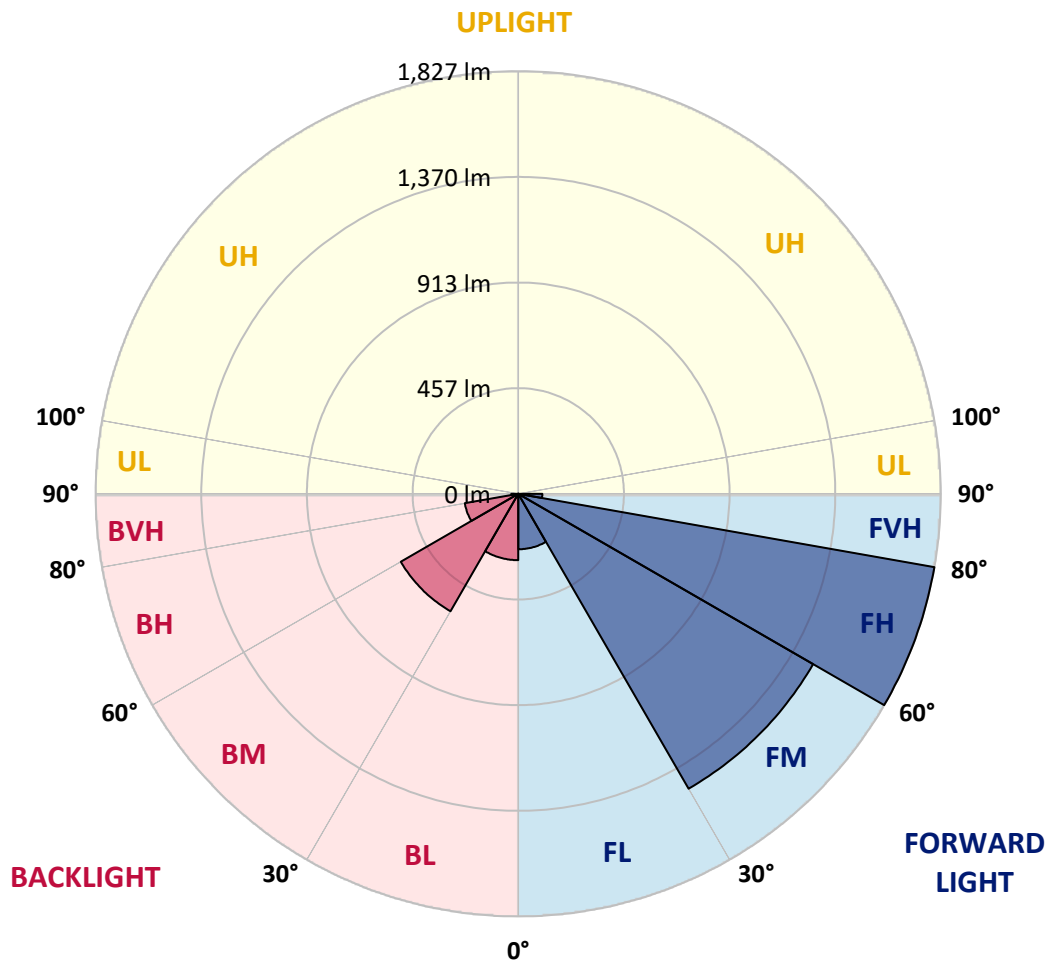


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.7	5.0			
FM (30°-60°)	1472.0	30.8			
FH (60°-80°)	1826.9	38.2			G2/5000
FVH (80°-90°)	103.9	2.2			G2/225
BL (0°-30°)	286.7	6.0	B1/500		
BM (30°-60°)	586.1	12.3	B1/1000		
BH (60°-80°)	234.5	4.9	B1/500		G1/500
BVH (80°-90°)	30.2	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-G2**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0
2.5°	587.4	591.0	592.5	591.7	595.6	595.1	600.5	607.3	616.6	625.6
5°	542.1	546.0	549.4	552.5	560.0	562.3	570.8	583.7	600.8	618.1
7.5°	500.0	503.4	508.5	514.2	526.9	529.2	543.4	563.6	587.4	612.7
10°	465.6	469.0	474.4	480.9	496.7	499.5	517.6	544.5	575.5	607.5
12.5°	450.9	451.9	455.1	461.5	475.2	477.0	496.9	527.7	563.8	603.6
15°	450.1	452.2	452.5	455.8	467.2	468.0	486.3	516.8	556.6	602.9
17.5°	457.9	459.4	457.1	459.2	468.7	470.0	484.5	511.6	554.3	606.2
20°	478.6	479.9	472.9	470.0	477.0	478.0	492.3	515.0	556.6	613.2
22.5°	522.5	523.3	506.2	494.6	495.1	495.6	508.0	528.7	565.6	625.9
25°	591.0	590.5	563.3	540.8	527.9	525.1	533.3	550.9	580.9	642.7
27.5°	671.1	667.2	640.1	606.5	578.3	574.2	572.4	579.9	602.6	664.9
30°	761.5	757.9	728.7	684.8	645.8	639.0	622.0	618.1	634.9	695.1
32.5°	860.7	858.4	823.5	770.3	718.1	710.4	681.7	671.3	684.5	740.8
35°	944.0	941.9	912.9	858.2	794.3	784.8	755.6	743.9	750.7	799.5
37.5°	1019.1	1018.1	993.3	950.2	884.3	872.6	839.8	835.9	834.6	876.8
40°	1088.9	1086.3	1060.5	1037.8	988.9	978.3	949.4	946.0	936.2	971.9
42.5°	1166.2	1159.5	1122.0	1111.4	1098.2	1089.4	1072.1	1072.6	1050.9	1079.1
45°	1229.2	1225.4	1186.9	1180.7	1194.9	1191.2	1206.2	1210.1	1168.0	1191.5
47.5°	1296.9	1293.3	1260.8	1256.4	1294.9	1295.9	1348.9	1350.2	1282.2	1308.3
50°	1380.4	1375.2	1342.9	1348.4	1391.5	1395.4	1492.3	1483.5	1387.4	1426.9
52.5°	1435.4	1438.5	1431.6	1440.3	1499.3	1502.9	1633.4	1610.9	1491.5	1544.0
55°	1476.0	1482.2	1503.9	1524.1	1613.0	1616.6	1766.5	1732.1	1577.8	1652.5
57.5°	1528.2	1519.4	1560.0	1599.3	1721.0	1730.5	1895.9	1848.9	1654.3	1746.0
60°	1603.1	1596.9	1628.5	1686.6	1841.9	1857.2	2032.9	1954.1	1710.4	1820.2
62.5°	1755.1	1739.6	1744.5	1795.9	1994.4	2014.5	2187.4	2045.8	1738.3	1849.1
65°	1982.2	1955.6	1930.8	1966.5	2209.1	2229.0	2361.8	2117.9	1728.0	1793.1
67.5°	2268.3	2241.9	2211.4	2245.0	2525.4	2541.2	2577.1	2158.5	1646.6	1577.0
70°	2504.2	2494.4	2530.8	2669.1	3030.6	3031.1	2853.0	2124.9	1423.6	1118.1
72.5°	2472.9	2467.0	2659.0	3086.4	3667.3	3653.6	3114.3	1870.6	958.9	504.4
75°	2028.7	2067.2	2364.7	3078.9	3896.0	3894.2	2954.3	1189.2	396.7	209.0
77.5°	1087.9	1148.9	1535.2	2273.2	3041.4	3087.2	2077.1	416.0	170.3	133.9
80°	354.8	408.0	611.9	1157.4	1976.3	1967.8	890.2	163.3	116.5	94.8
82.5°	150.6	156.9	273.4	546.5	1014.2	998.5	283.5	93.8	81.9	64.9
85°	58.9	65.9	120.7	252.7	439.3	429.7	102.3	46.5	52.5	42.4
87.5°	19.4	23.5	43.2	86.6	136.7	131.8	25.1	16.0	22.7	19.4
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°
637.0	0°	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0	637.0
638.8	2.5°	642.4	646.5	651.4	658.7	664.9	670.0	675.5	678.8	680.1	684.0
639.8	5°	647.0	656.1	668.2	680.1	691.7	698.7	704.9	708.0	710.9	712.9
642.7	7.5°	654.8	666.4	685.5	701.1	710.9	716.6	720.7	719.7	720.7	721.2
645.8	10°	661.5	677.8	700.5	715.3	722.8	723.0	722.0	718.4	716.6	716.8
650.4	12.5°	669.5	687.6	712.2	724.6	726.6	720.9	716.6	710.4	708.0	707.0
657.4	15°	680.4	701.1	724.8	729.5	724.3	717.1	709.6	699.5	694.3	690.2
669.3	17.5°	693.6	716.3	734.6	731.3	720.2	708.3	696.1	680.9	670.3	665.9
685.5	20°	711.9	732.3	742.1	727.4	710.6	692.5	671.9	653.2	643.4	639.0
706.2	22.5°	734.1	753.8	749.4	720.7	696.9	668.0	642.1	628.4	623.5	620.4
732.8	25°	760.7	777.5	754.5	710.9	674.4	635.4	615.5	611.1	608.8	606.5
765.4	27.5°	795.4	804.4	758.4	696.4	639.3	600.8	593.6	594.3	593.6	589.7
810.6	30°	841.1	839.3	762.0	672.9	599.0	569.5	570.0	573.4	573.9	571.3
873.7	32.5°	901.3	883.0	763.8	642.4	560.5	542.1	542.6	546.3	548.9	544.5
956.1	35°	974.2	933.9	761.0	604.1	530.8	516.0	512.2	513.2	514.0	509.8
1056.1	37.5°	1059.2	991.0	748.3	561.8	506.2	490.5	482.2	475.2	471.1	467.2
1169.3	40°	1152.5	1053.3	725.1	520.4	478.8	463.3	450.9	437.7	423.8	418.6
1289.2	42.5°	1250.2	1117.3	696.9	480.9	447.3	434.6	421.5	402.3	381.4	370.8
1413.7	45°	1351.5	1183.0	669.3	441.9	415.0	409.6	394.3	371.3	348.6	335.2
1538.5	47.5°	1450.7	1245.0	628.7	402.6	384.8	390.7	378.8	357.6	332.3	311.1
1662.3	50°	1545.5	1303.1	562.3	362.8	360.2	385.0	373.7	343.2	314.2	287.1
1783.8	52.5°	1639.6	1350.2	477.3	326.6	347.0	383.5	366.9	333.3	297.9	269.5
1898.0	55°	1719.4	1374.5	395.4	295.6	327.9	370.3	358.9	321.7	274.9	244.7
1976.3	57.5°	1764.9	1354.8	327.1	265.1	301.6	348.6	345.2	296.9	247.6	224.3
1991.5	60°	1745.3	1275.2	271.3	238.5	276.5	325.1	321.5	272.4	226.6	204.7
1909.9	62.5°	1637.0	1123.5	227.1	215.3	253.8	301.0	297.7	253.5	210.6	189.4
1693.1	65°	1418.9	914.0	192.8	195.9	230.8	272.1	277.0	237.7	197.9	177.3
1309.9	67.5°	1082.2	662.0	165.9	179.1	208.3	243.7	257.9	226.4	187.3	167.7
757.9	70°	616.8	376.0	143.2	162.8	188.4	217.3	243.2	217.3	176.0	159.7
284.0	72.5°	233.9	172.6	123.8	146.5	169.3	195.1	226.9	203.1	162.8	150.6
146.8	75°	124.8	105.2	104.1	127.4	147.3	173.4	206.5	189.2	153.0	159.2
101.6	77.5°	85.0	74.4	87.1	109.0	123.3	149.4	184.8	168.0	132.6	132.0
70.3	80°	58.9	52.7	70.8	87.9	95.4	125.6	161.2	144.2	108.0	100.8
43.4	82.5°	35.4	34.4	53.0	65.6	67.4	96.9	133.6	120.9	88.4	77.0
25.8	85°	19.4	20.4	33.9	38.5	39.3	67.7	104.7	93.5	68.0	57.1
9.3	87.5°	5.4	7.0	12.4	15.2	18.9	35.1	62.3	55.6	34.1	23.8
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°
637.0
683.7
713.5
722.0
717.3
706.5
691.5
666.2
638.5
620.9
606.5
590.5
572.6
546.5
512.7
469.8
420.9
372.1
334.1
308.8
284.8
266.4
242.1
221.2
201.6
186.1
173.9
164.6
157.6
148.6
164.3
121.7
96.4
77.5
57.6
23.8
0.0

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