

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: P846678

Luminaire Tested: **GLAN-SB2B-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846678  
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-SB2B-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7602 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

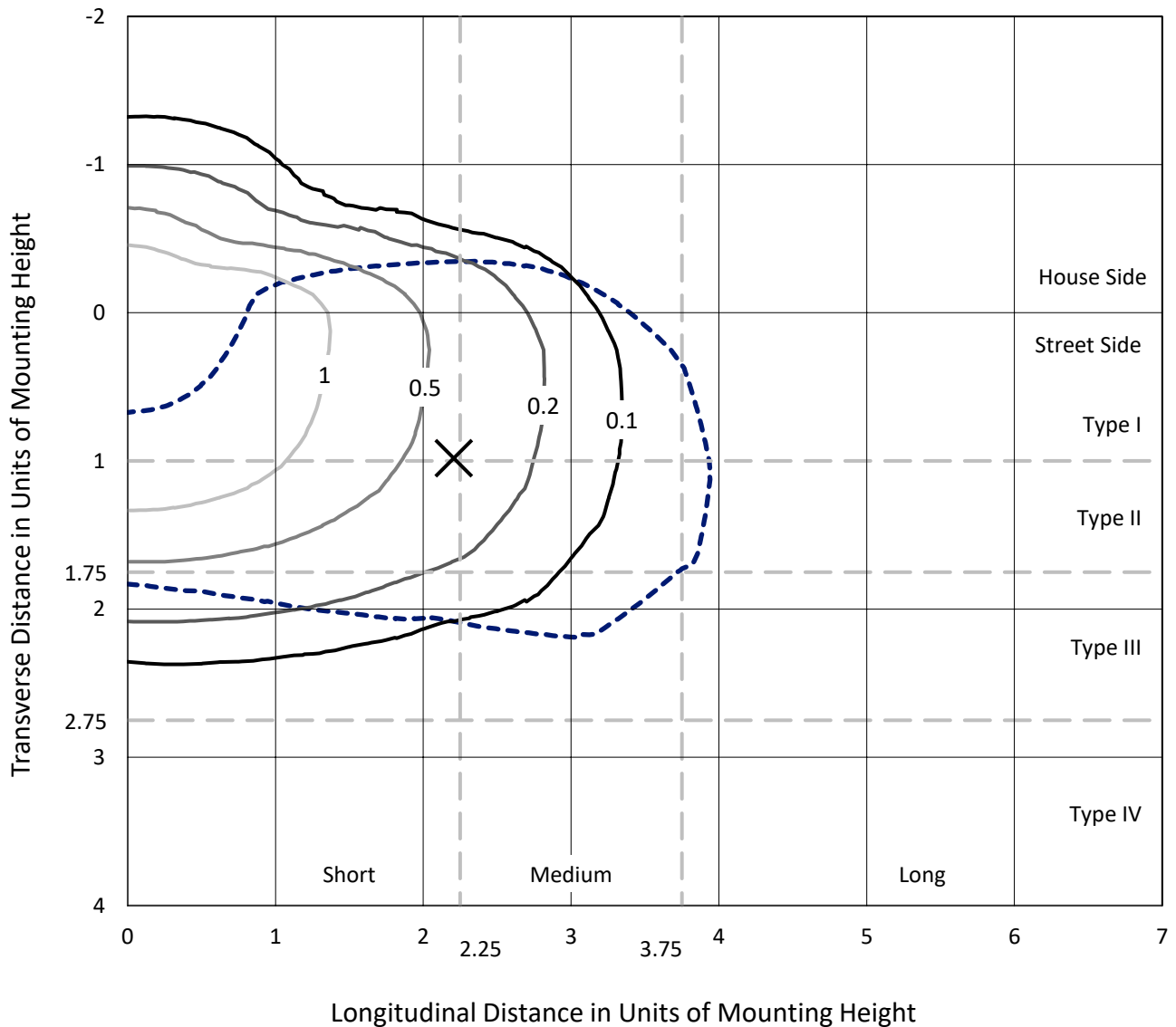
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

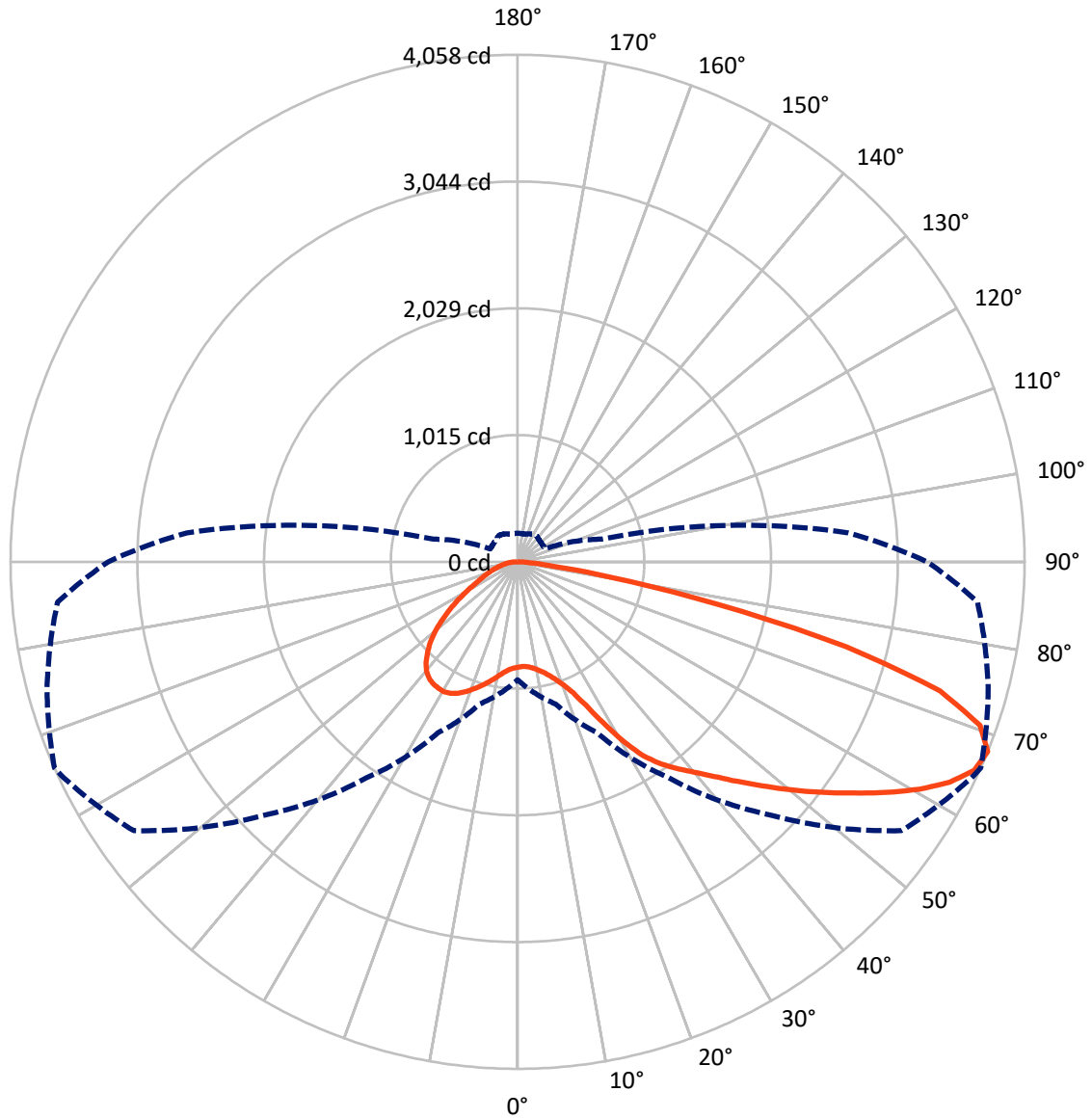
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type 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
<b>House Side</b>	Lumens	1890.2	0.0	1890.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	5711.8	0.0	5711.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	7602.0	0.0	7602.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	1.1
10°-20°	276.2	3.6
20°-30°	532.3	7.0
30°-40°	933.4	12.3
40°-50°	1387.6	18.3
50°-60°	1759.0	23.1
60°-70°	1721.1	22.6
70°-80°	821.0	10.8
80°-90°	87.7	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°	7602.0	100.0
0°-180°	7602.0	100.0

**Coefficient of Utilization**



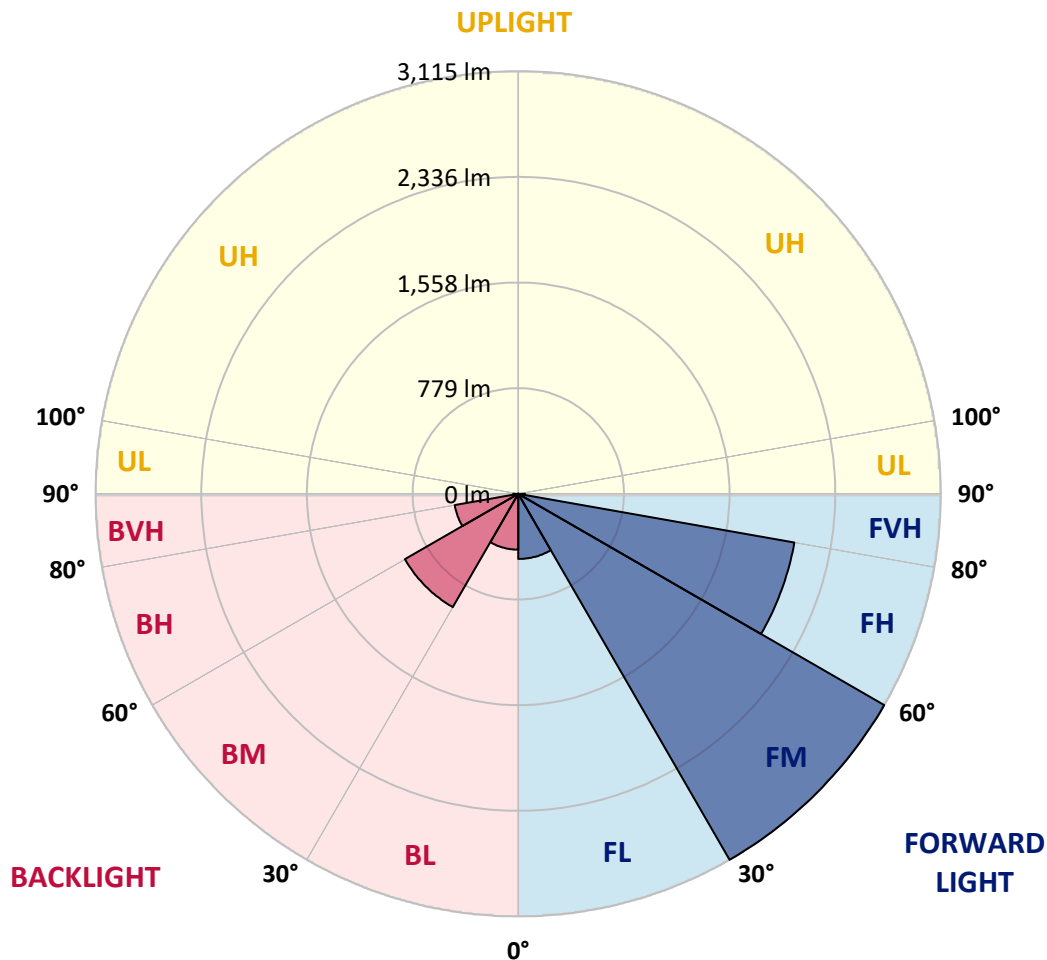
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.4	6.3			
FM (30°-60°)	3115.2	41.0			
FH (60°-80°)	2066.4	27.2			G2/5000
FVH (80°-90°)	49.7	0.7			G1/100
BL (0°-30°)	411.8	5.4	B1/500		
BM (30°-60°)	964.8	12.7	B1/1000		
BH (60°-80°)	475.7	6.3	B1/500		G1/500
BVH (80°-90°)	38.0	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-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2
2.5°	834.4	839.2	838.0	836.0	835.6	836.4	837.6	838.8	838.4	840.4
5°	832.0	836.8	836.4	836.4	838.0	841.2	843.2	845.2	843.2	845.6
7.5°	833.6	837.2	838.8	840.4	844.4	850.4	855.1	859.5	857.1	859.9
10°	853.9	856.7	858.3	858.3	861.1	867.9	872.7	880.7	878.7	883.1
12.5°	891.1	893.9	893.9	892.3	894.3	898.7	900.3	909.1	905.5	912.7
15°	936.6	942.2	937.8	935.0	935.8	940.2	939.8	946.6	943.0	949.0
17.5°	987.0	994.1	987.0	986.6	985.0	989.7	990.1	996.1	989.7	994.1
20°	1046.5	1056.4	1050.5	1052.5	1048.9	1050.9	1052.9	1061.6	1051.7	1054.9
22.5°	1130.3	1142.3	1135.9	1143.5	1141.1	1139.5	1139.1	1154.7	1139.1	1140.3
25°	1252.6	1266.9	1255.8	1266.1	1266.1	1271.3	1277.3	1297.3	1271.3	1263.7
27.5°	1433.1	1447.5	1425.5	1431.9	1429.9	1442.7	1436.3	1485.8	1457.9	1445.5
30°	1650.4	1675.9	1634.4	1632.8	1630.8	1651.2	1660.4	1693.1	1664.8	1652.4
32.5°	1885.2	1912.0	1862.5	1848.1	1840.5	1852.9	1845.3	1871.7	1852.1	1832.9
35°	2133.7	2160.0	2112.9	2084.9	2054.6	2028.6	2001.5	2008.3	1989.9	1960.7
37.5°	2368.5	2416.9	2366.9	2337.0	2281.1	2230.3	2154.4	2122.9	2105.7	2078.9
40°	2607.8	2635.3	2597.4	2571.8	2511.1	2431.6	2310.2	2243.5	2220.3	2194.4
42.5°	2783.9	2810.3	2789.9	2772.3	2724.8	2632.5	2475.6	2392.1	2358.5	2329.4
45°	2923.7	2943.3	2930.5	2936.9	2916.5	2827.0	2646.9	2551.5	2516.7	2481.2
47.5°	2980.0	3000.8	3021.2	3059.1	3093.9	3028.0	2831.0	2724.0	2687.3	2650.9
50°	2973.6	2994.8	3053.9	3134.6	3242.4	3220.5	3025.2	2907.7	2873.8	2832.2
52.5°	2922.5	2946.5	3022.4	3156.6	3328.3	3364.7	3222.9	3097.5	3065.5	3016.0
55°	2788.3	2802.7	2916.5	3106.6	3348.7	3465.3	3416.6	3299.6	3267.6	3198.5
57.5°	2539.5	2560.2	2726.0	2972.0	3297.6	3533.6	3586.7	3512.0	3481.3	3381.8
60°	2214.7	2247.9	2437.6	2746.0	3167.4	3533.2	3741.3	3720.9	3695.4	3562.4
62.5°	1847.3	1885.6	2068.2	2426.4	2939.7	3433.0	3838.0	3895.9	3882.7	3728.9
65°	1418.7	1445.1	1626.8	2013.0	2585.4	3217.7	3849.1	4015.3	4017.7	3855.5
67.5°	944.6	1020.5	1178.3	1510.6	2110.9	2865.8	3750.9	4034.9	4058.0	3899.1
70°	460.9	560.8	715.3	981.8	1510.6	2326.2	3494.1	3874.3	3925.8	3772.1
72.5°	191.3	223.7	307.9	484.5	867.1	1569.7	2978.0	3439.0	3534.4	3342.3
75°	129.0	139.8	176.1	248.4	395.0	774.1	2147.6	2564.2	2718.0	2524.3
77.5°	99.5	106.2	128.2	173.7	234.9	292.8	1149.5	1545.3	1624.8	1504.2
80°	78.3	83.5	95.9	126.6	166.6	156.6	391.8	700.2	746.1	625.9
82.5°	67.9	69.9	68.7	85.9	110.6	91.5	128.6	258.4	285.2	206.9
85°	49.1	54.7	57.1	53.1	58.7	46.3	52.7	91.5	100.7	89.9
87.5°	20.0	29.6	36.3	34.3	21.6	13.2	16.4	26.8	30.8	33.6
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°
843.2	0°	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2
843.6	2.5°	844.0	846.8	848.8	851.2	852.7	855.1	859.9	862.7	863.1	865.1
850.0	5°	851.5	855.5	859.9	866.3	873.5	879.5	888.7	895.1	897.5	899.5
865.5	7.5°	867.9	873.5	881.5	892.7	903.1	911.1	922.2	929.8	937.4	940.2
890.3	10°	892.3	900.3	911.9	927.0	938.2	948.6	960.2	966.6	974.2	977.4
919.8	12.5°	922.6	931.0	946.2	967.4	977.8	985.0	988.9	987.4	988.9	991.7
955.4	15°	957.4	966.6	983.8	1006.5	1013.7	1007.3	998.5	990.5	989.3	990.1
998.5	17.5°	998.5	1005.3	1025.3	1044.5	1039.3	1012.9	993.7	981.0	974.6	972.6
1053.7	20°	1056.0	1056.0	1072.4	1084.4	1049.7	1004.9	975.0	954.2	941.0	935.4
1128.7	22.5°	1125.9	1119.6	1129.9	1121.6	1047.7	982.6	941.0	905.1	885.1	877.1
1233.8	25°	1214.6	1207.0	1204.2	1152.3	1033.3	947.0	879.5	836.0	818.4	814.0
1385.2	27.5°	1348.4	1329.2	1292.9	1169.1	1006.9	891.1	807.6	767.3	757.3	757.7
1579.7	30°	1526.6	1488.2	1399.1	1171.9	963.8	812.0	734.1	705.4	700.6	702.6
1743.0	32.5°	1691.5	1655.2	1507.8	1159.1	897.5	734.5	668.2	649.0	641.9	644.3
1867.7	35°	1820.9	1810.9	1608.4	1141.1	816.0	661.8	609.1	592.7	578.8	575.6
1985.1	37.5°	1943.1	1939.2	1683.9	1116.0	735.3	610.3	561.6	540.0	519.6	508.5
2114.9	40°	2077.4	2073.4	1733.5	1077.2	663.8	565.6	518.8	490.5	465.3	444.9
2261.9	42.5°	2228.3	2204.8	1757.0	1021.7	603.1	527.6	484.1	445.7	412.6	393.8
2428.0	45°	2393.3	2340.2	1756.6	951.0	552.0	492.9	446.9	392.6	361.9	344.3
2598.6	47.5°	2568.2	2469.6	1735.1	872.7	502.5	454.5	389.4	347.9	327.5	316.7
2783.9	50°	2748.8	2590.6	1698.3	782.9	451.7	411.0	353.5	325.1	309.5	299.6
2967.6	52.5°	2918.5	2700.4	1654.0	681.0	400.2	368.7	337.5	315.5	299.2	288.0
3145.8	55°	3076.3	2795.1	1591.3	576.8	358.3	340.3	329.9	311.5	292.8	279.6
3326.7	57.5°	3216.5	2856.6	1483.0	478.9	328.3	320.7	321.9	304.8	283.2	272.0
3504.9	60°	3333.1	2901.7	1322.9	388.2	304.0	301.6	309.5	292.0	266.8	254.0
3655.4	62.5°	3403.0	2900.9	1126.3	317.9	283.2	284.0	293.2	276.0	250.4	238.4
3734.1	65°	3397.0	2829.8	910.7	272.0	263.2	264.0	276.0	258.4	236.9	229.7
3694.6	67.5°	3276.8	2656.5	698.6	242.0	241.2	244.8	258.8	246.4	228.5	227.7
3458.9	70°	2951.3	2296.6	503.3	218.1	218.5	223.7	242.0	238.8	224.1	225.7
2908.1	72.5°	2366.5	1751.0	337.9	192.9	193.3	201.7	226.1	232.9	219.7	240.8
2063.4	75°	1576.1	1092.0	217.3	166.2	166.6	177.3	212.1	221.3	207.7	240.0
1073.6	77.5°	757.3	490.9	157.4	139.8	139.8	149.8	183.3	198.1	176.9	186.5
345.1	80°	261.6	184.5	123.8	112.6	110.2	117.0	154.6	171.7	152.6	140.6
112.6	82.5°	103.0	95.9	99.5	87.5	79.5	83.9	120.2	141.8	112.2	101.5
63.5	85°	59.1	62.3	70.3	57.9	45.9	51.5	88.3	101.9	84.7	74.7
20.8	87.5°	16.0	22.0	32.4	30.0	20.8	22.0	41.9	56.3	48.7	37.5
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°
843.2
864.7
899.1
940.6
979.0
992.5
992.9
975.4
934.2
875.9
814.8
758.9
709.4
647.4
578.0
508.9
446.9
395.0
343.5
314.3
296.0
283.2
274.4
264.8
248.4
234.9
229.3
228.9
225.3
244.0
242.0
170.9
131.8
101.1
76.3
38.7
0.0

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