

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: P846338

Luminaire Tested: **GLAN-SB1D-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846338
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-SB1D-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6872 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

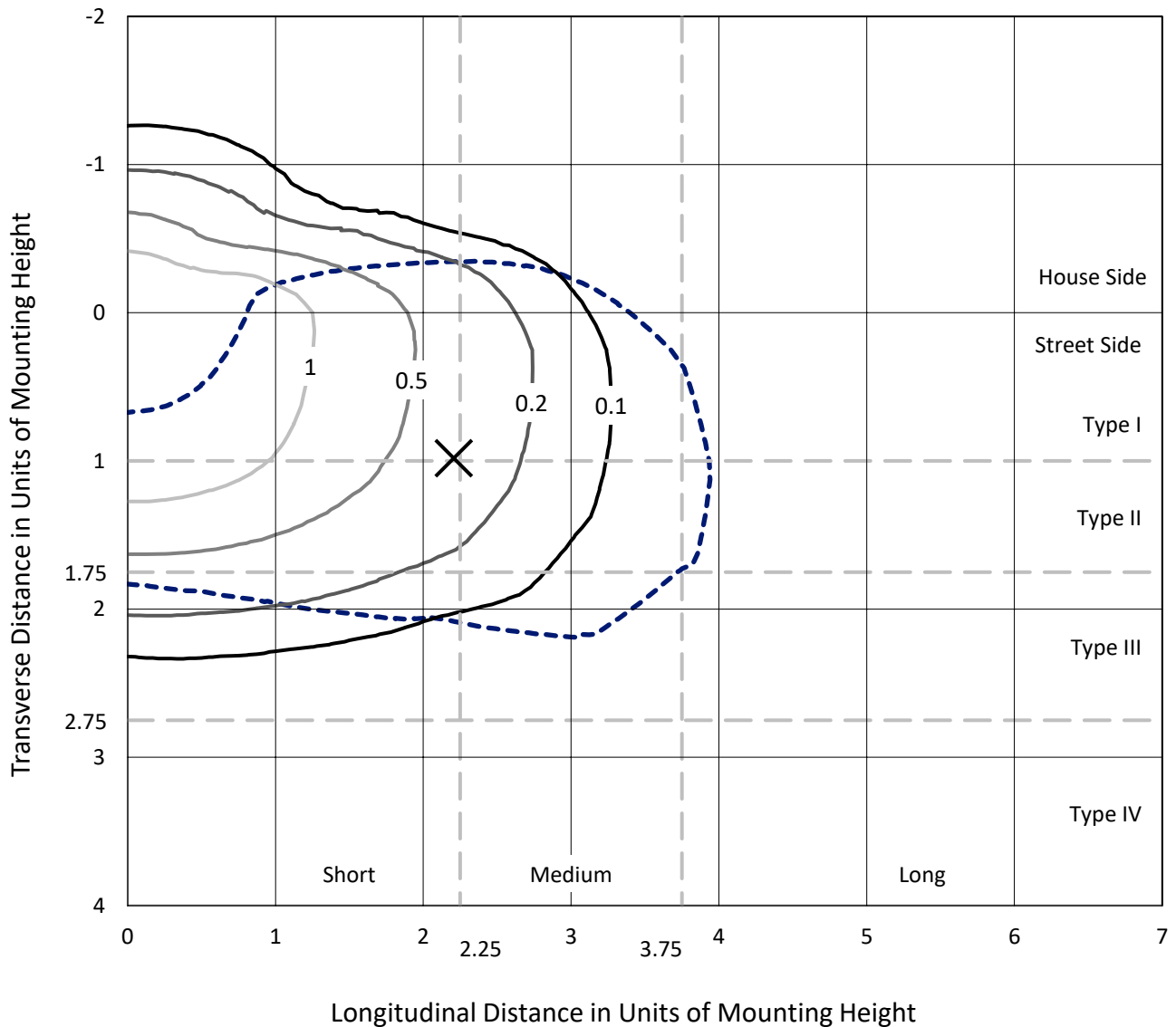
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

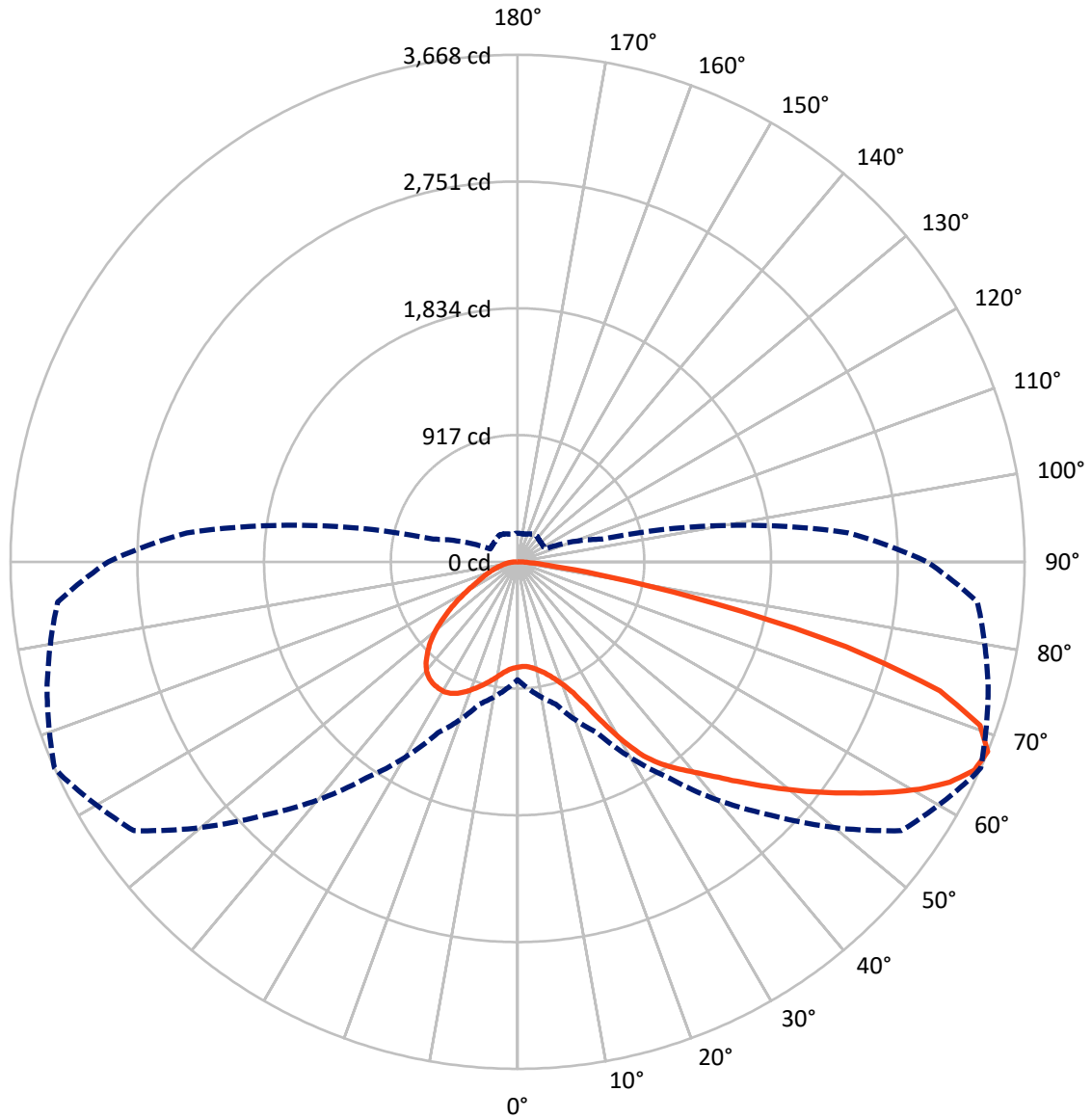
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	1708.7	0.0	1708.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5163.3	0.0	5163.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	6872.0	0.0	6872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	1.1
10°-20°	249.7	3.6
20°-30°	481.2	7.0
30°-40°	843.8	12.3
40°-50°	1254.4	18.3
50°-60°	1590.1	23.1
60°-70°	1555.8	22.6
70°-80°	742.2	10.8
80°-90°	79.3	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°	6872.0	100.0
0°-180°	6872.0	100.0

Coefficient of Utilization



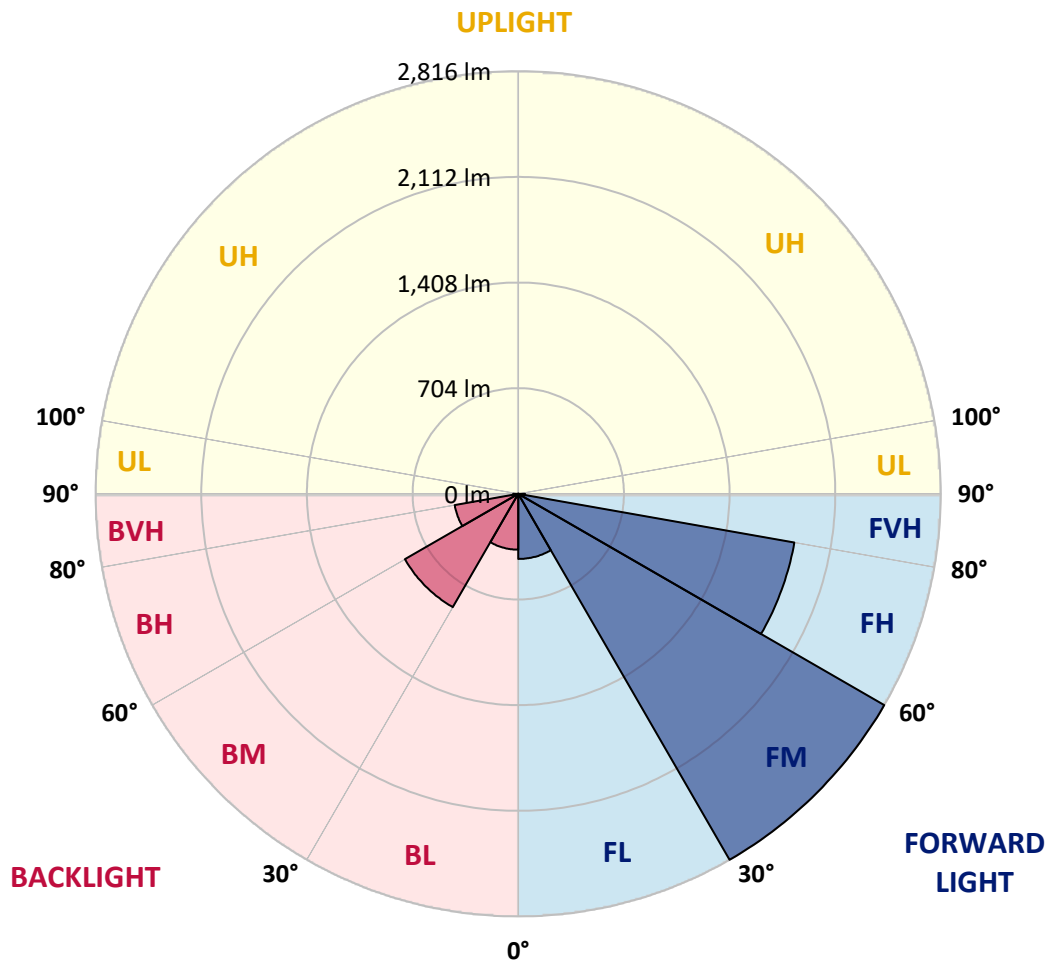
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.2	6.3			
FM (30°-60°)	2816.1	41.0			
FH (60°-80°)	1868.0	27.2			G2/5000
FVH (80°-90°)	45.0	0.7			G1/100
BL (0°-30°)	372.2	5.4	B1/500		
BM (30°-60°)	872.1	12.7	B1/1000		
BH (60°-80°)	430.0	6.3	B1/500		G1/500
BVH (80°-90°)	34.3	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°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
2.5°	754.3	758.6	757.5	755.7	755.3	756.1	757.1	758.2	757.9	759.7
5°	752.1	756.4	756.1	756.1	757.5	760.4	762.2	764.0	762.2	764.4
7.5°	753.5	756.8	758.2	759.7	763.3	768.7	773.0	777.0	774.8	777.4
10°	771.9	774.5	775.9	775.9	778.4	784.6	788.9	796.1	794.3	798.3
12.5°	805.5	808.1	808.1	806.6	808.4	812.4	813.8	821.8	818.5	825.0
15°	846.7	851.7	847.8	845.2	846.0	849.9	849.6	855.7	852.5	857.9
17.5°	892.2	898.7	892.2	891.8	890.4	894.7	895.1	900.5	894.7	898.7
20°	946.0	955.0	949.6	951.4	948.1	949.9	951.8	959.7	950.7	953.6
22.5°	1021.8	1032.6	1026.9	1033.7	1031.5	1030.1	1029.7	1043.8	1029.7	1030.8
25°	1132.3	1145.3	1135.2	1144.6	1144.6	1149.3	1154.7	1172.7	1149.3	1142.4
27.5°	1295.5	1308.5	1288.6	1294.4	1292.6	1304.1	1298.4	1343.1	1317.9	1306.7
30°	1491.9	1515.0	1477.5	1476.0	1474.2	1492.6	1500.9	1530.5	1504.9	1493.7
32.5°	1704.2	1728.4	1683.6	1670.6	1663.8	1675.0	1668.1	1691.9	1674.2	1656.9
35°	1928.8	1952.6	1910.0	1884.7	1857.3	1833.8	1809.3	1815.4	1798.8	1772.4
37.5°	2141.1	2184.8	2139.6	2112.6	2062.0	2016.2	1947.6	1919.0	1903.5	1879.3
40°	2357.4	2382.3	2348.0	2324.9	2270.0	2198.1	2088.4	2028.1	2007.1	1983.7
42.5°	2516.6	2540.4	2522.0	2506.1	2463.1	2379.7	2237.8	2162.4	2132.1	2105.7
45°	2643.0	2660.6	2649.1	2654.9	2636.5	2555.6	2392.7	2306.4	2275.0	2242.9
47.5°	2693.9	2712.6	2731.1	2765.4	2796.8	2737.2	2559.2	2462.4	2429.2	2396.3
50°	2688.1	2707.2	2760.7	2833.6	2931.1	2911.2	2734.7	2628.5	2597.8	2560.3
52.5°	2641.9	2663.5	2732.1	2853.4	3008.7	3041.6	2913.4	2800.0	2771.1	2726.4
55°	2520.6	2533.6	2636.5	2808.3	3027.1	3132.5	3088.5	2982.7	2953.8	2891.4
57.5°	2295.6	2314.4	2464.2	2686.6	2980.9	3194.3	3242.3	3174.8	3147.0	3057.1
60°	2002.1	2032.0	2203.5	2482.3	2863.2	3193.9	3382.0	3363.6	3340.5	3220.3
62.5°	1669.9	1704.6	1869.6	2193.4	2657.4	3103.3	3469.4	3521.8	3509.9	3370.8
65°	1282.5	1306.3	1470.6	1819.7	2337.1	2908.7	3479.5	3629.7	3631.9	3485.3
67.5°	853.9	922.5	1065.1	1365.5	1908.2	2590.6	3390.7	3647.4	3668.4	3524.7
70°	416.7	506.9	646.7	887.5	1365.5	2102.8	3158.5	3502.3	3548.8	3409.8
72.5°	172.9	202.2	278.4	438.0	783.9	1419.0	2692.1	3108.7	3195.0	3021.3
75°	116.6	126.4	159.2	224.6	357.1	699.7	1941.4	2318.0	2457.0	2281.9
77.5°	89.9	96.0	115.9	157.1	212.3	264.7	1039.1	1396.9	1468.8	1359.7
80°	70.8	75.5	86.7	114.5	150.6	141.5	354.2	632.9	674.5	565.8
82.5°	61.4	63.2	62.1	77.6	100.0	82.7	116.3	233.6	257.8	187.0
85°	44.4	49.5	51.6	48.0	53.1	41.9	47.7	82.7	91.0	81.2
87.5°	18.1	26.7	32.9	31.1	19.5	11.9	14.8	24.2	27.8	30.3
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°
762.2	0°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
762.6	2.5°	762.9	765.4	767.3	769.4	770.9	773.0	777.4	779.9	780.2	782.1
768.3	5°	769.8	773.4	777.4	783.1	789.6	795.1	803.4	809.1	811.3	813.1
782.4	7.5°	784.6	789.6	796.9	807.0	816.4	823.6	833.7	840.5	847.4	849.9
804.8	10°	806.6	813.8	824.3	838.0	848.1	857.5	868.0	873.8	880.6	883.5
831.5	12.5°	834.0	841.6	855.3	874.5	883.9	890.4	894.0	892.5	894.0	896.5
863.7	15°	865.5	873.8	889.3	909.9	916.4	910.6	902.6	895.4	894.3	895.1
902.6	17.5°	902.6	908.8	926.8	944.2	939.5	915.6	898.3	886.8	881.0	879.2
952.5	20°	954.6	954.6	969.4	980.3	948.9	908.4	881.3	862.6	850.7	845.6
1020.4	22.5°	1017.8	1012.0	1021.4	1013.9	947.1	888.2	850.7	818.2	800.1	792.9
1115.3	25°	1098.0	1091.1	1088.6	1041.7	934.1	856.1	795.1	755.7	739.8	735.8
1252.2	27.5°	1218.9	1201.6	1168.7	1056.8	910.2	805.5	730.1	693.6	684.6	684.9
1428.0	30°	1380.0	1345.3	1264.8	1059.3	871.2	734.0	663.6	637.6	633.3	635.1
1575.7	32.5°	1529.1	1496.2	1363.0	1047.8	811.3	664.0	604.1	586.7	580.2	582.4
1688.3	35°	1646.1	1637.0	1454.0	1031.5	737.6	598.3	550.6	535.8	523.2	520.3
1794.5	37.5°	1756.6	1752.9	1522.2	1008.8	664.7	551.7	507.6	488.2	469.7	459.6
1911.8	40°	1877.9	1874.3	1567.0	973.8	600.1	511.3	469.0	443.4	420.6	402.2
2044.7	42.5°	2014.3	1993.0	1588.3	923.6	545.2	477.0	437.6	402.9	373.0	356.0
2194.9	45°	2163.5	2115.4	1587.9	859.7	499.0	445.5	404.0	354.9	327.1	311.2
2349.1	47.5°	2321.6	2232.4	1568.4	788.9	454.2	410.9	352.0	314.5	296.1	286.3
2516.6	50°	2484.8	2341.8	1535.2	707.7	408.4	371.5	319.5	293.9	279.8	270.8
2682.7	52.5°	2638.3	2441.1	1495.1	615.6	361.8	333.3	305.1	285.2	270.4	260.3
2843.7	55°	2780.9	2526.7	1438.5	521.4	323.9	307.6	298.2	281.6	264.7	252.7
3007.3	57.5°	2907.6	2582.3	1340.6	432.9	296.8	289.9	291.0	275.5	256.0	245.9
3168.3	60°	3013.0	2623.1	1195.8	350.9	274.8	272.6	279.8	263.9	241.2	229.6
3304.4	62.5°	3076.2	2622.4	1018.2	287.4	256.0	256.7	265.0	249.5	226.4	215.6
3375.5	65°	3070.8	2558.1	823.2	245.9	237.9	238.7	249.5	233.6	214.1	207.6
3339.8	67.5°	2962.1	2401.4	631.5	218.8	218.1	221.3	234.0	222.8	206.5	205.8
3126.8	70°	2667.9	2076.1	454.9	197.1	197.5	202.2	218.8	215.9	202.6	204.0
2628.9	72.5°	2139.3	1582.9	305.5	174.4	174.8	182.3	204.4	210.5	198.6	217.7
1865.2	75°	1424.7	987.1	196.4	150.2	150.6	160.3	191.7	200.0	187.8	217.0
970.5	77.5°	684.6	443.7	142.3	126.4	126.4	135.4	165.7	179.1	159.9	168.6
312.0	80°	236.5	166.8	111.9	101.8	99.7	105.8	139.7	155.3	137.9	127.1
101.8	82.5°	93.2	86.7	89.9	79.1	71.9	75.8	108.7	128.2	101.5	91.7
57.4	85°	53.4	56.3	63.5	52.4	41.5	46.6	79.8	92.1	76.5	67.5
18.8	87.5°	14.4	19.9	29.2	27.1	18.8	19.9	37.9	50.9	44.0	33.9
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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762.2
781.7
812.7
850.3
885.0
897.2
897.6
881.7
844.5
791.8
736.6
686.0
641.2
585.3
522.5
460.0
404.0
357.1
310.5
284.2
267.5
256.0
248.0
239.4
224.6
212.3
207.2
206.9
203.6
220.6
218.8
154.5
119.1
91.3
69.0
35.0
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