

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: P846068

Luminaire Tested: **GLAN-SB1C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846068
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-SB1C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7356 lumens
Efficiency: N/A
Efficacy: 135.2 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

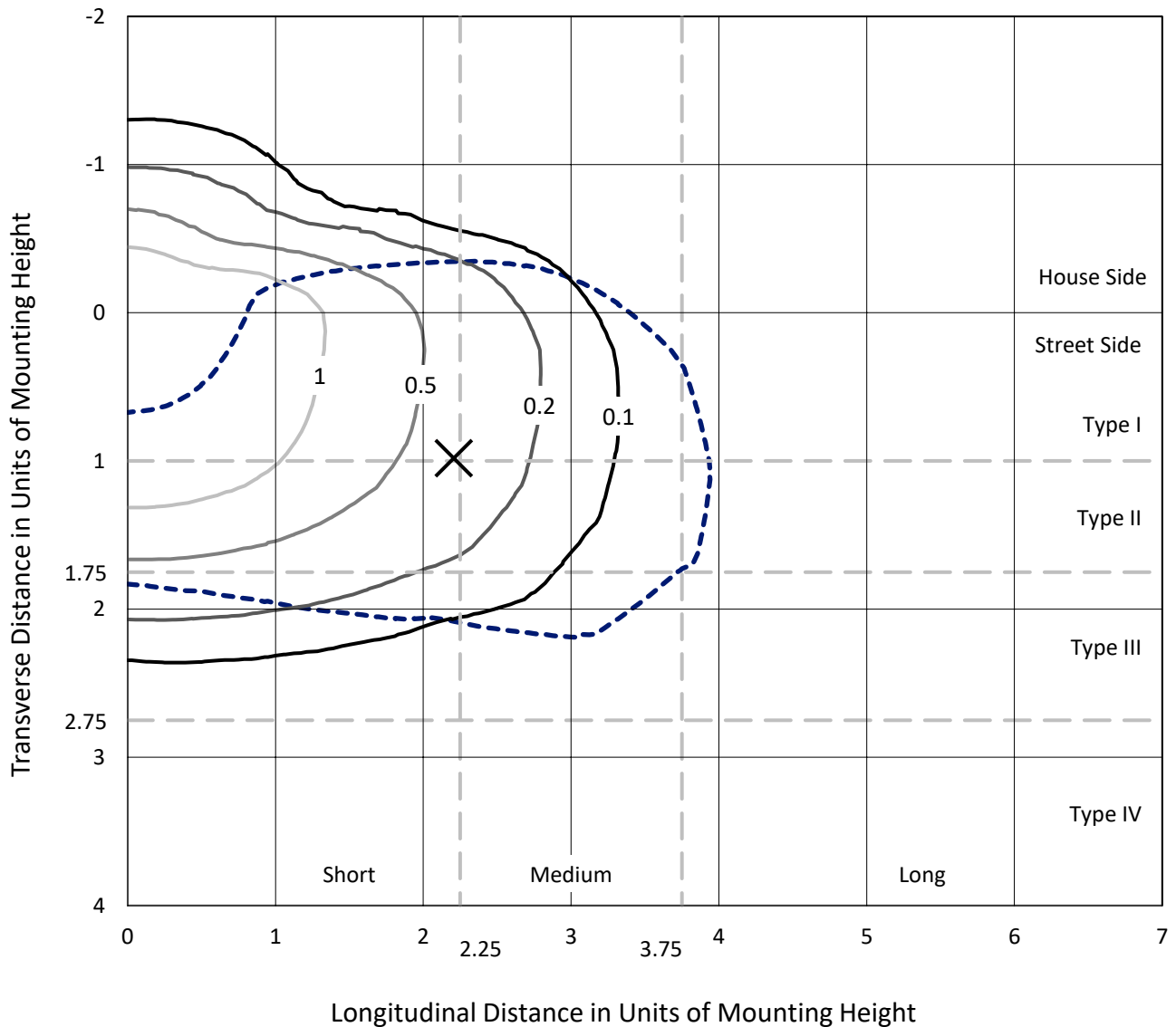
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

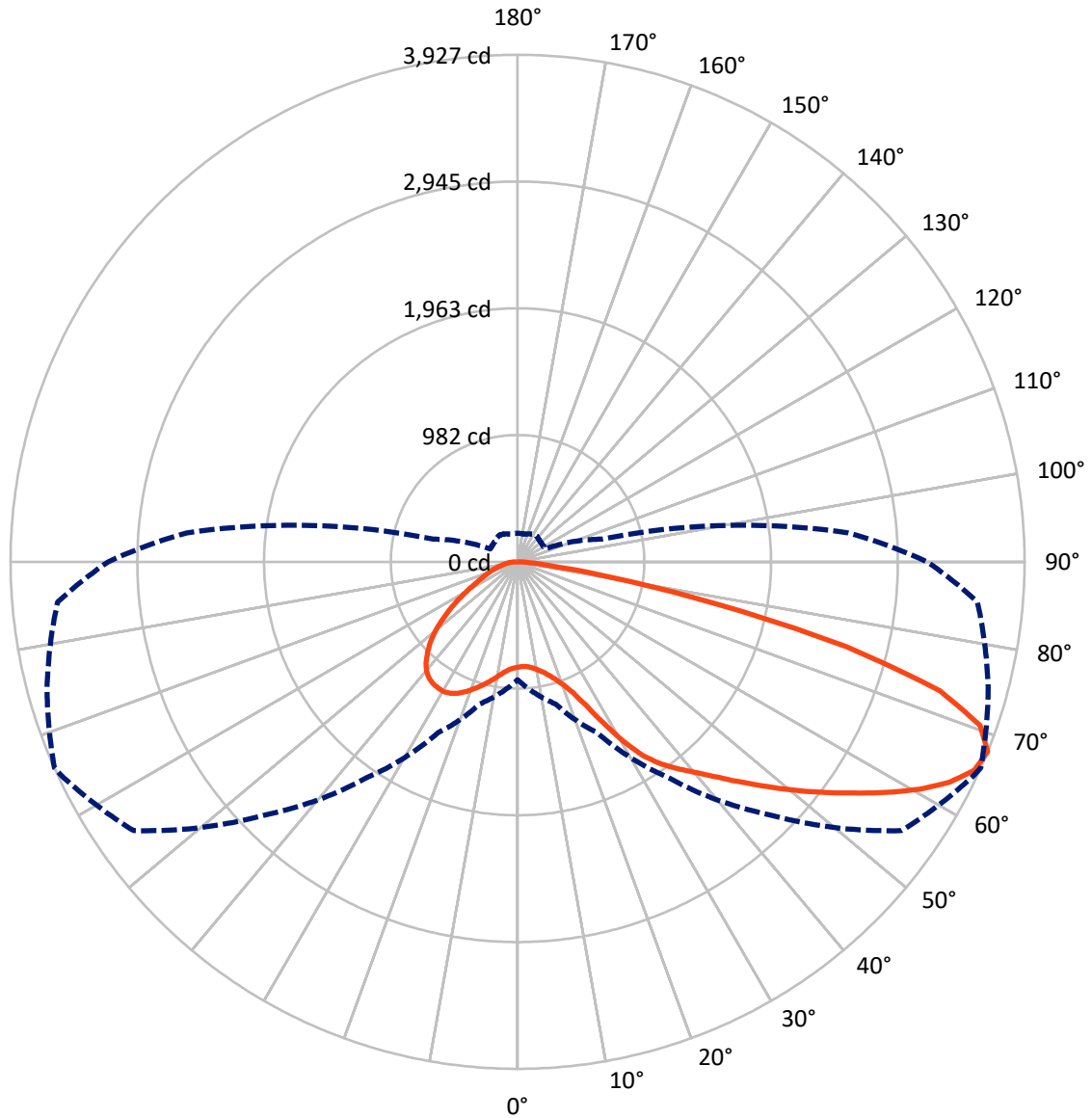
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB1C-735-U-T3

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	1829.1	0.0	1829.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5527.0	0.0	5527.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	7356.0	0.0	7356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.1
10°-20°	267.3	3.6
20°-30°	515.1	7.0
30°-40°	903.2	12.3
40°-50°	1342.7	18.3
50°-60°	1702.1	23.1
60°-70°	1665.4	22.6
70°-80°	794.4	10.8
80°-90°	84.9	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°	7356.0	100.0
0°-180°	7356.0	100.0

Coefficient of Utilization



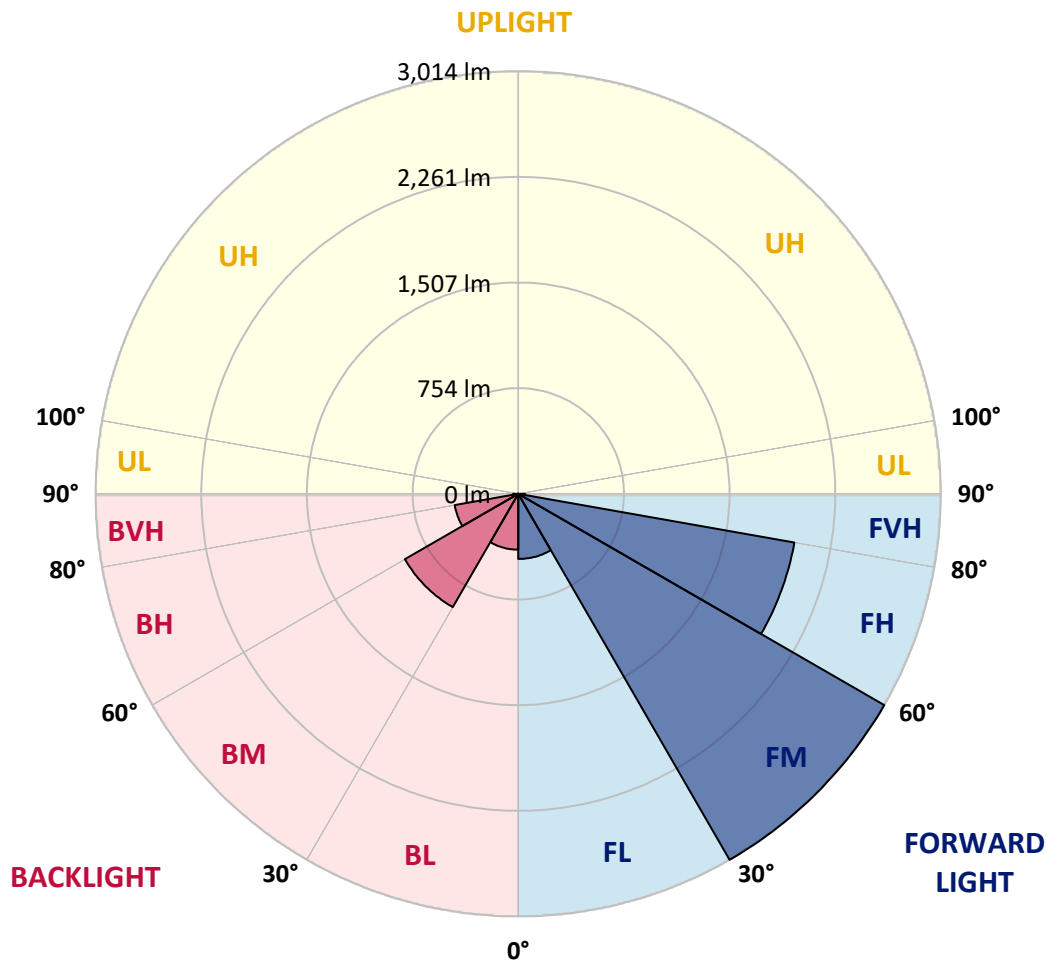
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.8	6.3			
FM (30°-60°)	3014.4	41.0			
FH (60°-80°)	1999.6	27.2			G2/5000
FVH (80°-90°)	48.1	0.7			G1/100
BL (0°-30°)	398.4	5.4	B1/500		
BM (30°-60°)	933.6	12.7	B1/1000		
BH (60°-80°)	460.3	6.3	B1/500		G1/500
BVH (80°-90°)	36.8	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°	815.9	815.9	815.9	815.9	815.9	815.9	815.9	815.9	815.9	815.9
2.5°	807.4	812.0	810.9	808.9	808.5	809.3	810.5	811.6	811.2	813.2
5°	805.1	809.7	809.3	809.3	810.9	813.9	815.9	817.8	815.9	818.2
7.5°	806.6	810.1	811.6	813.2	817.0	822.8	827.5	831.7	829.4	832.1
10°	826.3	829.0	830.6	830.6	833.3	839.8	844.5	852.2	850.3	854.5
12.5°	862.3	865.0	865.0	863.4	865.3	869.6	871.1	879.6	876.2	883.1
15°	906.3	911.7	907.5	904.8	905.5	909.8	909.4	916.0	912.5	918.3
17.5°	955.0	962.0	955.0	954.6	953.1	957.7	958.1	963.9	957.7	962.0
20°	1012.6	1022.3	1016.5	1018.4	1014.9	1016.9	1018.8	1027.3	1017.6	1020.7
22.5°	1093.8	1105.4	1099.2	1106.5	1104.2	1102.7	1102.3	1117.3	1102.3	1103.4
25°	1212.0	1225.9	1215.1	1225.2	1225.2	1230.2	1236.0	1255.3	1230.2	1222.9
27.5°	1386.7	1400.6	1379.4	1385.6	1383.6	1396.0	1389.8	1437.7	1410.7	1398.7
30°	1597.0	1621.7	1581.5	1580.0	1578.0	1597.7	1606.6	1638.3	1610.9	1598.9
32.5°	1824.2	1850.1	1802.2	1788.3	1780.9	1792.9	1785.6	1811.1	1792.1	1773.6
35°	2064.6	2090.1	2044.5	2017.5	1988.1	1963.0	1936.7	1943.3	1925.5	1897.3
37.5°	2291.9	2338.6	2290.3	2261.3	2207.2	2158.2	2084.7	2054.2	2037.6	2011.7
40°	2523.4	2550.1	2513.3	2488.6	2429.9	2352.9	2235.5	2170.9	2148.5	2123.4
42.5°	2693.8	2719.3	2699.6	2682.6	2636.6	2547.3	2395.5	2314.7	2282.2	2254.0
45°	2829.1	2848.0	2835.7	2841.9	2822.1	2735.6	2561.3	2468.9	2435.3	2400.9
47.5°	2883.6	2903.7	2923.4	2960.1	2993.7	2930.0	2739.4	2635.9	2600.3	2565.1
50°	2877.4	2897.9	2955.1	3033.2	3137.5	3116.3	2927.3	2813.6	2780.8	2740.6
52.5°	2827.9	2851.1	2924.6	3054.4	3220.6	3255.8	3118.6	2997.2	2966.3	2918.4
55°	2698.1	2712.0	2822.1	3006.1	3240.3	3353.2	3306.0	3192.8	3161.9	3095.0
57.5°	2457.3	2477.4	2637.8	2875.9	3190.9	3419.3	3470.7	3398.4	3368.6	3272.4
60°	2143.1	2175.2	2358.7	2657.1	3064.9	3418.9	3620.2	3600.5	3575.8	3447.1
62.5°	1787.5	1824.6	2001.2	2347.9	2844.6	3321.9	3713.8	3769.8	3757.1	3608.3
65°	1372.8	1398.3	1574.2	1947.9	2501.7	3113.6	3724.6	3885.4	3887.7	3730.8
67.5°	914.0	987.5	1140.1	1461.7	2042.6	2773.1	3629.5	3904.3	3926.7	3772.9
70°	446.0	542.6	692.2	950.0	1461.7	2250.9	3381.0	3748.9	3798.8	3650.0
72.5°	185.1	216.4	298.0	468.8	839.1	1518.9	2881.7	3327.7	3420.0	3234.1
75°	124.8	135.3	170.4	240.4	382.2	749.0	2078.1	2481.3	2630.1	2442.6
77.5°	96.2	102.8	124.1	168.1	227.3	283.3	1112.3	1495.3	1572.2	1455.5
80°	75.8	80.8	92.8	122.5	161.2	151.5	379.1	677.5	722.0	605.6
82.5°	65.7	67.6	66.5	83.1	107.1	88.5	124.4	250.1	276.0	200.2
85°	47.5	52.9	55.3	51.4	56.8	44.8	51.0	88.5	97.4	87.0
87.5°	19.3	28.6	35.2	33.2	20.9	12.8	15.8	25.9	29.8	32.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846068
 CATALOG NUMBER: GLAN-SB1C-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
815.9	0°	815.9	815.9	815.9	815.9	815.9	815.9	815.9	815.9	815.9	815.9
816.3	2.5°	816.7	819.4	821.3	823.6	825.2	827.5	832.1	834.8	835.2	837.1
822.4	5°	824.0	827.9	832.1	838.3	845.3	851.0	859.9	866.1	868.4	870.4
837.5	7.5°	839.8	845.3	853.0	863.8	873.9	881.6	892.4	899.7	907.1	909.8
861.5	10°	863.4	871.1	882.4	897.0	907.9	917.9	929.1	935.3	942.6	945.7
890.1	12.5°	892.8	900.9	915.6	936.1	946.1	953.1	956.9	955.4	956.9	959.7
924.5	15°	926.4	935.3	951.9	974.0	980.9	974.7	966.2	958.5	957.3	958.1
966.2	17.5°	966.2	972.8	992.1	1010.7	1005.6	980.1	961.6	949.2	943.0	941.1
1019.6	20°	1021.9	1021.9	1037.7	1049.3	1015.7	972.4	943.4	923.3	910.6	905.2
1092.2	22.5°	1089.5	1083.3	1093.4	1085.3	1013.8	950.8	910.6	875.8	856.5	848.7
1193.9	25°	1175.3	1168.0	1165.3	1115.0	999.8	916.4	851.0	808.9	791.9	787.7
1340.3	27.5°	1304.8	1286.2	1251.1	1131.3	974.3	862.3	781.5	742.4	732.8	733.2
1528.6	30°	1477.2	1440.1	1353.9	1134.0	932.6	785.7	710.4	682.5	677.9	679.8
1686.6	32.5°	1636.8	1601.6	1459.0	1121.6	868.4	710.8	646.6	628.0	621.1	623.4
1807.2	35°	1762.0	1752.3	1556.4	1104.2	789.6	640.4	589.4	573.5	560.0	556.9
1920.8	37.5°	1880.3	1876.4	1629.4	1079.8	711.5	590.6	543.4	522.5	502.8	492.0
2046.5	40°	2010.1	2006.3	1677.4	1042.4	642.3	547.3	502.0	474.6	450.3	430.5
2188.7	42.5°	2156.2	2133.4	1700.2	988.6	583.6	510.6	468.4	431.3	399.2	381.1
2349.5	45°	2315.8	2264.4	1699.8	920.2	534.1	476.9	432.5	379.9	350.2	333.2
2514.5	47.5°	2485.1	2389.7	1678.9	844.5	486.2	439.8	376.8	336.6	316.9	306.5
2693.8	50°	2659.8	2506.8	1643.3	757.5	437.1	397.7	342.0	314.6	299.5	289.9
2871.6	52.5°	2824.1	2613.0	1600.4	659.0	387.3	356.7	326.6	305.3	289.5	278.7
3044.0	55°	2976.7	2704.6	1539.8	558.1	346.7	329.3	319.2	301.5	283.3	270.5
3219.1	57.5°	3112.4	2764.2	1435.0	463.4	317.7	310.4	311.5	294.9	274.0	263.2
3391.4	60°	3225.2	2807.8	1280.1	375.7	294.1	291.8	299.5	282.5	258.2	245.8
3537.1	62.5°	3292.9	2807.1	1089.9	307.6	274.0	274.8	283.7	267.1	242.3	230.7
3613.3	65°	3287.1	2738.3	881.2	263.2	254.7	255.5	267.1	250.1	229.2	222.2
3575.0	67.5°	3170.8	2570.5	676.0	234.2	233.4	236.9	250.4	238.5	221.1	220.3
3347.0	70°	2855.8	2222.3	487.0	211.0	211.4	216.4	234.2	231.1	216.8	218.4
2814.0	72.5°	2289.9	1694.4	327.0	186.7	187.1	195.2	218.8	225.3	212.6	233.1
1996.6	75°	1525.1	1056.7	210.2	160.8	161.2	171.6	205.2	214.1	201.0	232.3
1038.9	77.5°	732.8	475.0	152.3	135.3	135.3	144.9	177.4	191.7	171.2	180.5
333.9	80°	253.2	178.6	119.8	109.0	106.7	113.2	149.6	166.2	147.6	136.0
109.0	82.5°	99.7	92.8	96.2	84.6	76.9	81.2	116.3	137.2	108.6	98.2
61.5	85°	57.2	60.3	68.0	56.0	44.4	49.9	85.4	98.6	81.9	72.3
20.1	87.5°	15.5	21.3	31.3	29.0	20.1	21.3	40.6	54.5	47.2	36.3
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°
815.9
836.7
870.0
910.2
947.3
960.4
960.8
943.8
904.0
847.6
788.4
734.3
686.4
626.5
559.2
492.4
432.5
382.2
332.4
304.2
286.4
274.0
265.5
256.2
240.4
227.3
221.8
221.5
218.0
236.1
234.2
165.4
127.5
97.8
73.8
37.5
0.0

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