

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: P846408

Luminaire Tested: **GLAN-SB2A-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846408  
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-SB2A-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

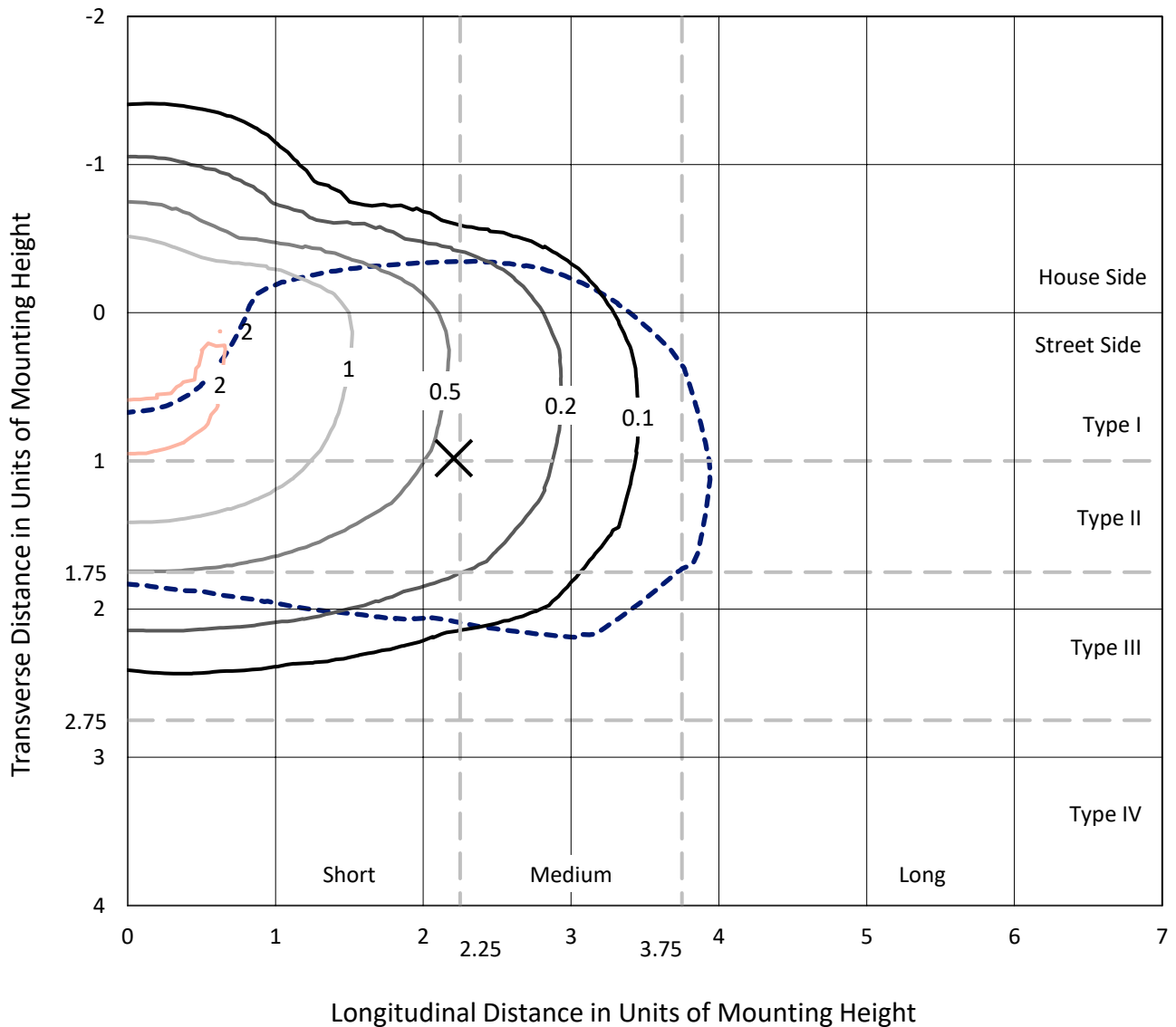
Lumens per Lamp: N/A  
Luminaire Lumens: 8809 lumens  
Efficiency: N/A  
Efficacy: 153.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

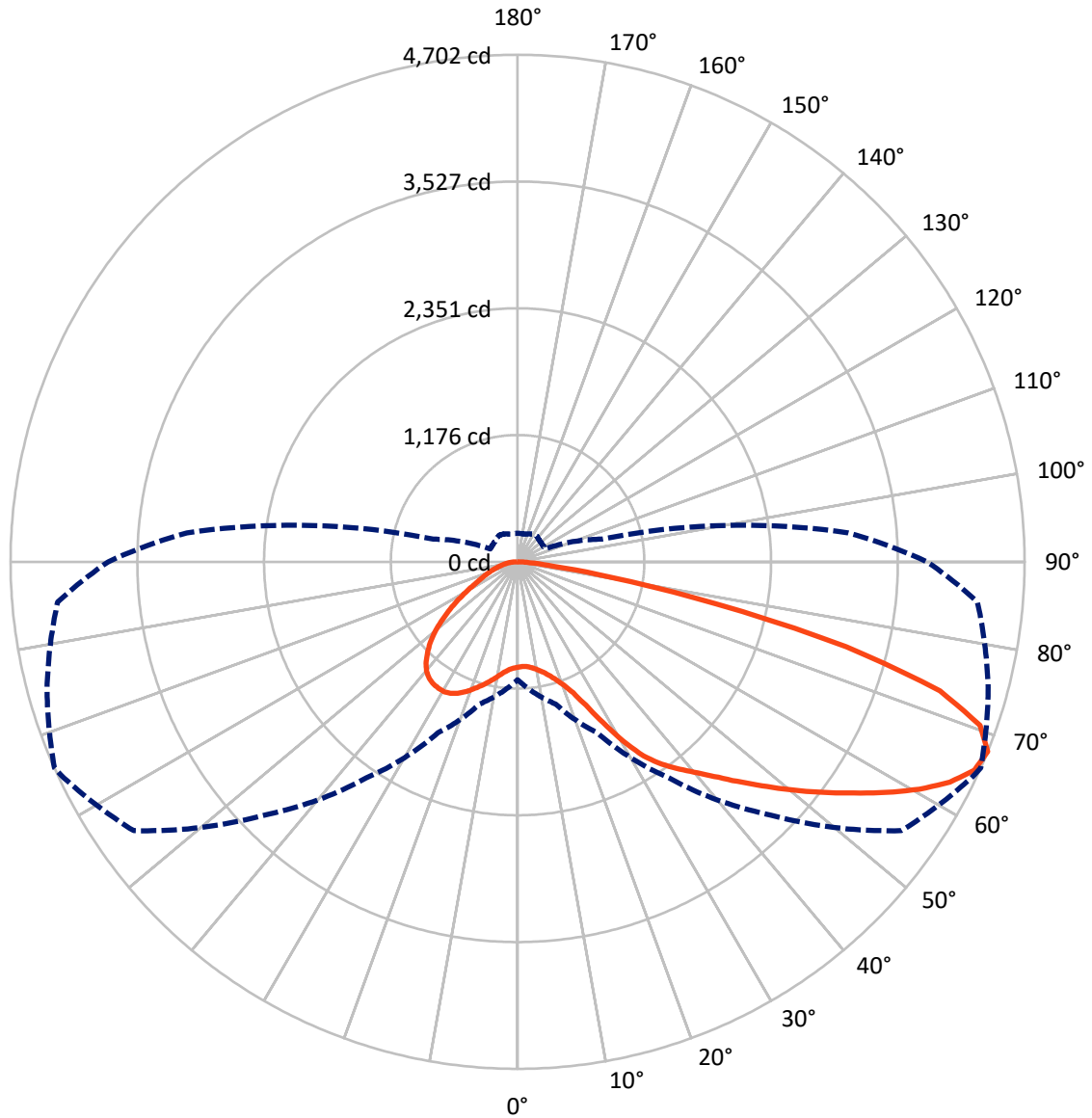
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	2190.3	0.0	2190.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	6618.7	0.0	6618.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	8809.0	0.0	8809.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	1.1
10°-20°	320.0	3.6
20°-30°	616.9	7.0
30°-40°	1081.6	12.3
40°-50°	1608.0	18.3
50°-60°	2038.3	23.1
60°-70°	1994.4	22.6
70°-80°	951.3	10.8
80°-90°	101.7	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°	8809.0	100.0
0°-180°	8809.0	100.0

**Coefficient of Utilization**



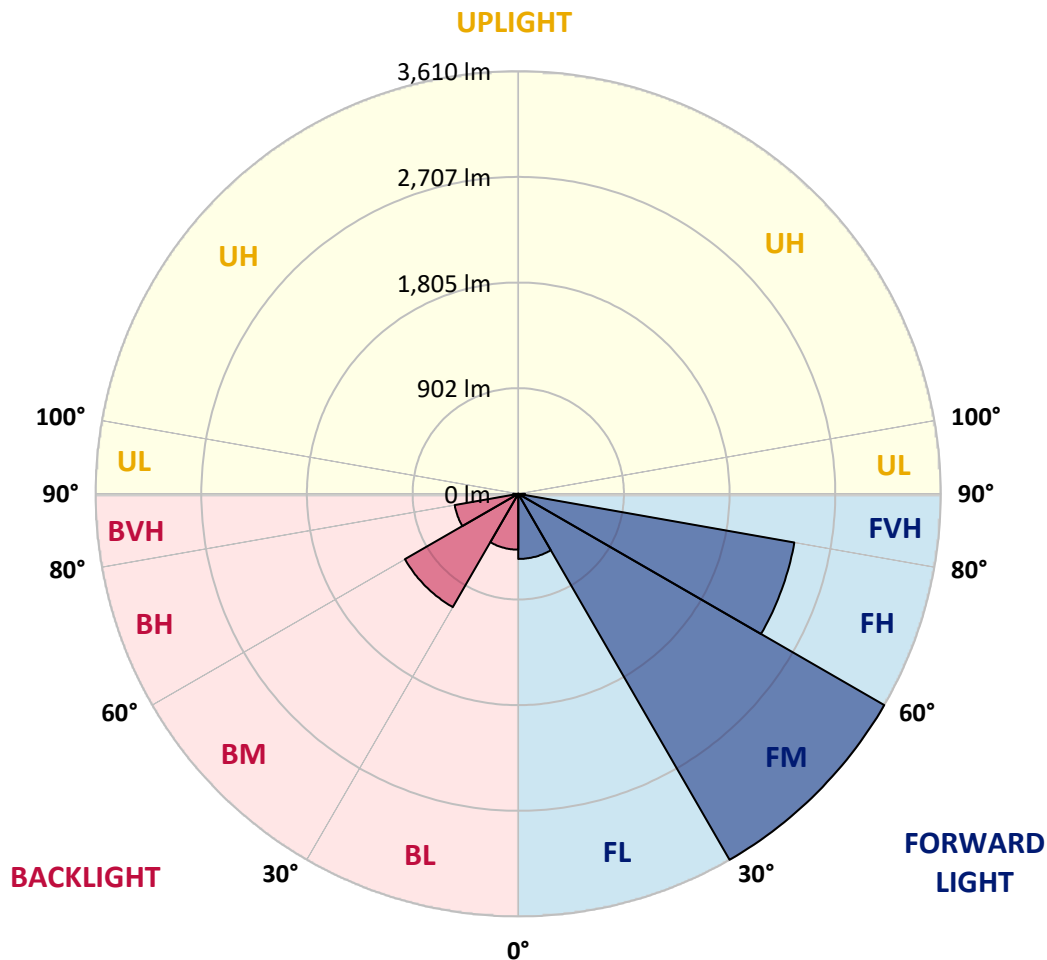
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 CATALOG NUMBER: GLAN-SB2A-735-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.6	6.3			
FM (30°-60°)	3609.8	41.0			
FH (60°-80°)	2394.5	27.2			G2/5000
FVH (80°-90°)	57.6	0.7			G1/100
BL (0°-30°)	477.1	5.4	B1/500		
BM (30°-60°)	1118.0	12.7	B2/2500		
BH (60°-80°)	551.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	44.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0
2.5°	966.9	972.4	971.0	968.7	968.2	969.2	970.6	971.9	971.5	973.8
5°	964.1	969.6	969.2	969.2	971.0	974.7	977.0	979.3	977.0	979.8
7.5°	965.9	970.1	971.9	973.8	978.4	985.4	990.9	996.0	993.2	996.5
10°	989.5	992.8	994.6	994.6	997.9	1005.7	1011.3	1020.5	1018.2	1023.3
12.5°	1032.6	1035.8	1035.8	1034.0	1036.3	1041.4	1043.2	1053.4	1049.2	1057.6
15°	1085.3	1091.8	1086.7	1083.5	1084.4	1089.5	1089.0	1096.9	1092.7	1099.7
17.5°	1143.7	1152.0	1143.7	1143.2	1141.3	1146.9	1147.4	1154.3	1146.9	1152.0
20°	1212.6	1224.2	1217.2	1219.6	1215.4	1217.7	1220.0	1230.2	1218.6	1222.3
22.5°	1309.8	1323.7	1316.3	1325.1	1322.3	1320.5	1320.0	1338.0	1320.0	1321.4
25°	1451.4	1468.1	1455.1	1467.2	1467.2	1473.2	1480.1	1503.3	1473.2	1464.4
27.5°	1660.6	1677.3	1651.8	1659.2	1656.9	1671.7	1664.3	1721.7	1689.3	1675.0
30°	1912.4	1942.0	1893.9	1892.0	1889.7	1913.3	1924.0	1961.9	1929.1	1914.7
32.5°	2184.6	2215.6	2158.2	2141.5	2132.7	2147.1	2138.3	2168.8	2146.1	2123.9
35°	2472.4	2503.0	2448.4	2416.0	2380.8	2350.7	2319.2	2327.1	2305.8	2272.0
37.5°	2744.6	2800.6	2742.7	2708.0	2643.2	2584.4	2496.5	2459.9	2440.0	2409.0
40°	3021.8	3053.8	3009.8	2980.2	2909.8	2817.7	2677.0	2599.7	2572.9	2542.8
42.5°	3225.9	3256.5	3232.9	3212.5	3157.4	3050.5	2868.6	2771.9	2733.0	2699.2
45°	3387.9	3410.6	3395.8	3403.2	3379.6	3275.9	3067.2	2956.6	2916.3	2875.1
47.5°	3453.2	3477.2	3500.8	3544.8	3585.1	3508.7	3280.5	3156.5	3113.9	3071.8
50°	3445.8	3470.3	3538.8	3632.3	3757.3	3731.8	3505.5	3369.4	3330.1	3281.9
52.5°	3386.5	3414.3	3502.2	3657.7	3856.8	3898.9	3734.6	3589.2	3552.2	3494.8
55°	3231.0	3247.7	3379.6	3599.9	3880.4	4015.5	3959.0	3823.4	3786.4	3706.3
57.5°	2942.7	2966.7	3158.8	3443.9	3821.1	4094.7	4156.2	4069.7	4034.0	3918.8
60°	2566.4	2604.8	2824.7	3182.0	3670.2	4094.2	4335.3	4311.7	4282.1	4128.0
62.5°	2140.6	2185.0	2396.5	2811.7	3406.4	3978.0	4447.3	4514.4	4499.2	4321.0
65°	1644.0	1674.5	1885.1	2332.7	2995.9	3728.6	4460.3	4652.8	4655.6	4467.7
67.5°	1094.6	1182.5	1365.3	1750.4	2446.1	3320.8	4346.4	4675.5	4702.4	4518.1
70°	534.1	649.8	828.9	1137.6	1750.4	2695.5	4048.8	4489.5	4549.2	4371.0
72.5°	221.7	259.2	356.8	561.4	1004.8	1818.9	3450.9	3985.0	4095.6	3873.0
75°	149.5	162.0	204.1	287.9	457.7	897.0	2488.6	2971.4	3149.6	2925.1
77.5°	115.2	123.1	148.6	201.3	272.1	339.3	1332.0	1790.7	1882.8	1743.0
80°	90.7	96.7	111.1	146.7	193.0	181.4	454.0	811.3	864.6	725.3
82.5°	78.7	81.0	79.6	99.5	128.2	106.0	149.0	299.5	330.5	239.7
85°	56.9	63.4	66.2	61.6	68.0	53.7	61.1	106.0	116.6	104.1
87.5°	23.1	34.2	42.1	39.8	25.0	15.3	19.0	31.0	35.6	38.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846408  
 CATALOG NUMBER: GLAN-SB2A-735-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
977.0	0°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0
977.5	2.5°	978.0	981.2	983.5	986.3	988.1	990.9	996.5	999.7	1000.2	1002.5
984.9	5°	986.8	991.4	996.5	1003.9	1012.2	1019.2	1029.8	1037.2	1040.0	1042.3
1003.0	7.5°	1005.7	1012.2	1021.5	1034.4	1046.5	1055.7	1068.7	1077.5	1086.3	1089.5
1031.6	10°	1034.0	1043.2	1056.6	1074.2	1087.2	1099.2	1112.6	1120.0	1128.8	1132.5
1065.9	12.5°	1069.1	1078.9	1096.4	1121.0	1133.0	1141.3	1146.0	1144.1	1146.0	1149.2
1107.1	15°	1109.4	1120.0	1140.0	1166.3	1174.7	1167.3	1157.1	1147.8	1146.4	1147.4
1157.1	17.5°	1157.1	1164.9	1188.1	1210.3	1204.3	1173.7	1151.5	1136.7	1129.3	1127.0
1220.9	20°	1223.7	1223.7	1242.7	1256.6	1216.3	1164.5	1129.8	1105.7	1090.4	1083.9
1308.0	22.5°	1304.7	1297.3	1309.3	1299.6	1214.0	1138.6	1090.4	1048.8	1025.6	1016.4
1429.7	25°	1407.5	1398.7	1395.4	1335.3	1197.3	1097.4	1019.2	968.7	948.3	943.2
1605.1	27.5°	1562.5	1540.3	1498.2	1354.7	1166.8	1032.6	935.8	889.1	877.5	878.0
1830.5	30°	1768.9	1724.5	1621.3	1357.9	1116.8	940.9	850.7	817.4	811.8	814.1
2019.8	32.5°	1960.1	1918.0	1747.2	1343.1	1040.0	851.1	774.3	752.1	743.8	746.5
2164.2	35°	2110.0	2098.5	1863.8	1322.3	945.6	766.9	705.8	686.8	670.6	666.9
2300.3	37.5°	2251.7	2247.0	1951.3	1293.1	852.1	707.2	650.7	625.7	602.1	589.2
2450.7	40°	2407.2	2402.6	2008.7	1248.3	769.2	655.4	601.2	568.4	539.2	515.6
2621.0	42.5°	2582.1	2554.8	2036.0	1183.9	698.9	611.4	561.0	516.5	478.1	456.4
2813.5	45°	2773.3	2711.7	2035.5	1102.0	639.6	571.1	517.9	455.0	419.3	399.0
3011.2	47.5°	2976.0	2861.7	2010.5	1011.3	582.2	526.7	451.3	403.1	379.5	367.0
3225.9	50°	3185.2	3001.9	1968.0	907.1	523.5	476.3	409.6	376.7	358.7	347.1
3438.8	52.5°	3381.9	3129.2	1916.6	789.1	463.8	427.2	391.1	365.6	346.7	333.7
3645.3	55°	3564.7	3238.9	1843.9	668.3	415.2	394.3	382.3	361.0	339.3	324.0
3854.9	57.5°	3727.2	3310.2	1718.5	554.9	380.4	371.7	373.0	353.1	328.1	315.2
4061.3	60°	3862.3	3362.5	1532.9	449.9	352.2	349.4	358.7	338.3	309.2	294.4
4235.8	62.5°	3943.3	3361.5	1305.2	368.4	328.1	329.1	339.7	319.8	290.2	276.3
4327.0	65°	3936.4	3279.2	1055.3	315.2	305.0	305.9	319.8	299.5	274.5	266.1
4281.2	67.5°	3797.1	3078.3	809.5	280.5	279.5	283.7	299.9	285.6	264.7	263.8
4008.1	70°	3419.9	2661.3	583.2	252.7	253.2	259.2	280.5	276.8	259.6	261.5
3369.9	72.5°	2742.3	2029.0	391.6	223.5	224.0	233.7	262.0	269.8	254.6	279.1
2391.0	75°	1826.3	1265.4	251.8	192.5	193.0	205.5	245.8	256.4	240.7	278.2
1244.1	77.5°	877.5	568.8	182.4	162.0	162.0	173.6	212.4	229.6	205.0	216.1
399.9	80°	303.2	213.8	143.5	130.5	127.7	135.6	179.1	199.0	176.8	162.9
130.5	82.5°	119.4	111.1	115.2	101.4	92.1	97.2	139.3	164.3	130.1	117.6
73.6	85°	68.5	72.2	81.5	67.1	53.2	59.7	102.3	118.0	98.1	86.5
24.1	87.5°	18.5	25.5	37.5	34.7	24.1	25.5	48.6	65.3	56.5	43.5
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°  

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977.0  
1002.0  
1041.8  
1090.0  
1134.4  
1150.1  
1150.6  
1130.2  
1082.6  
1015.0  
944.2  
879.4  
822.0  
750.2  
669.7  
589.6  
517.9  
457.7  
398.0  
364.2  
343.0  
328.1  
318.0  
306.9  
287.9  
272.1  
265.7  
265.2  
261.0  
282.8  
280.5  
198.1  
152.7  
117.1  
88.4  
44.9  
0.0

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