

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: P845898

Luminaire Tested: **GLAN-SB1B-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845898  
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-SB1B-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5531 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

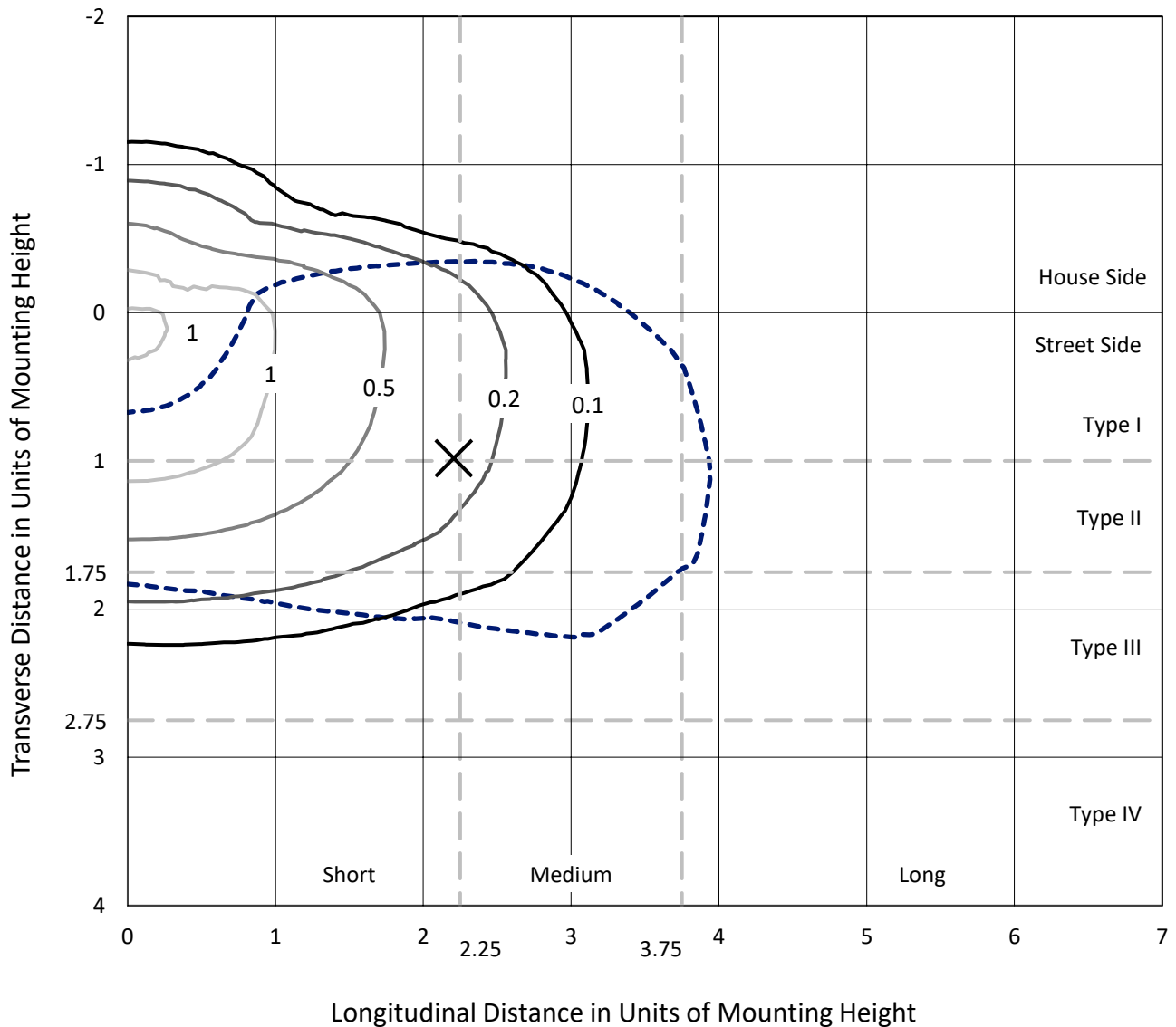
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

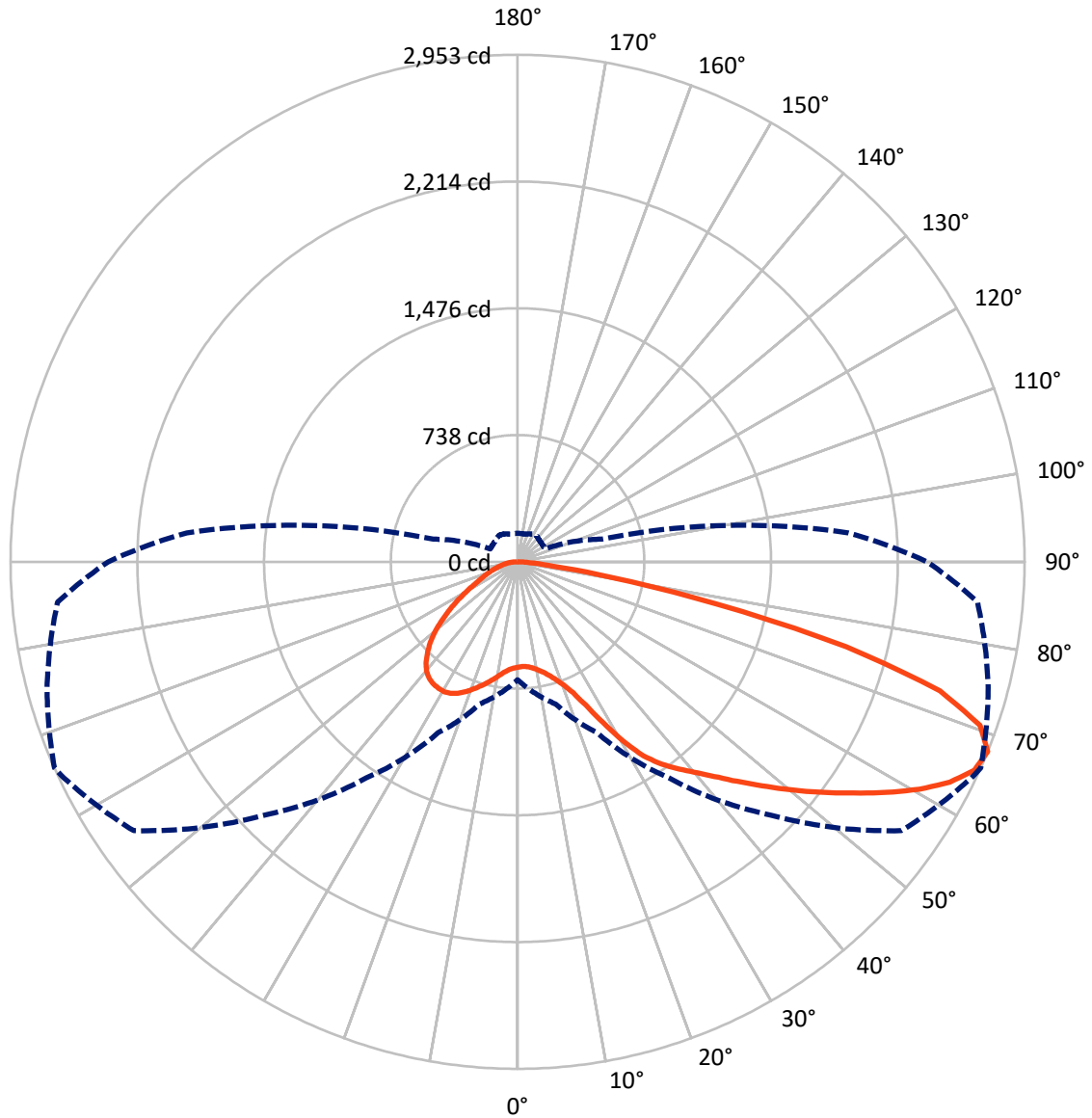
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	1375.3	0.0	1375.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	4155.7	0.0	4155.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	5531.0	0.0	5531.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	1.1
10°-20°	200.9	3.6
20°-30°	387.3	7.0
30°-40°	679.1	12.3
40°-50°	1009.6	18.3
50°-60°	1279.8	23.1
60°-70°	1252.2	22.6
70°-80°	597.3	10.8
80°-90°	63.8	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°	5531.0	100.0
0°-180°	5531.0	100.0

**Coefficient of Utilization**



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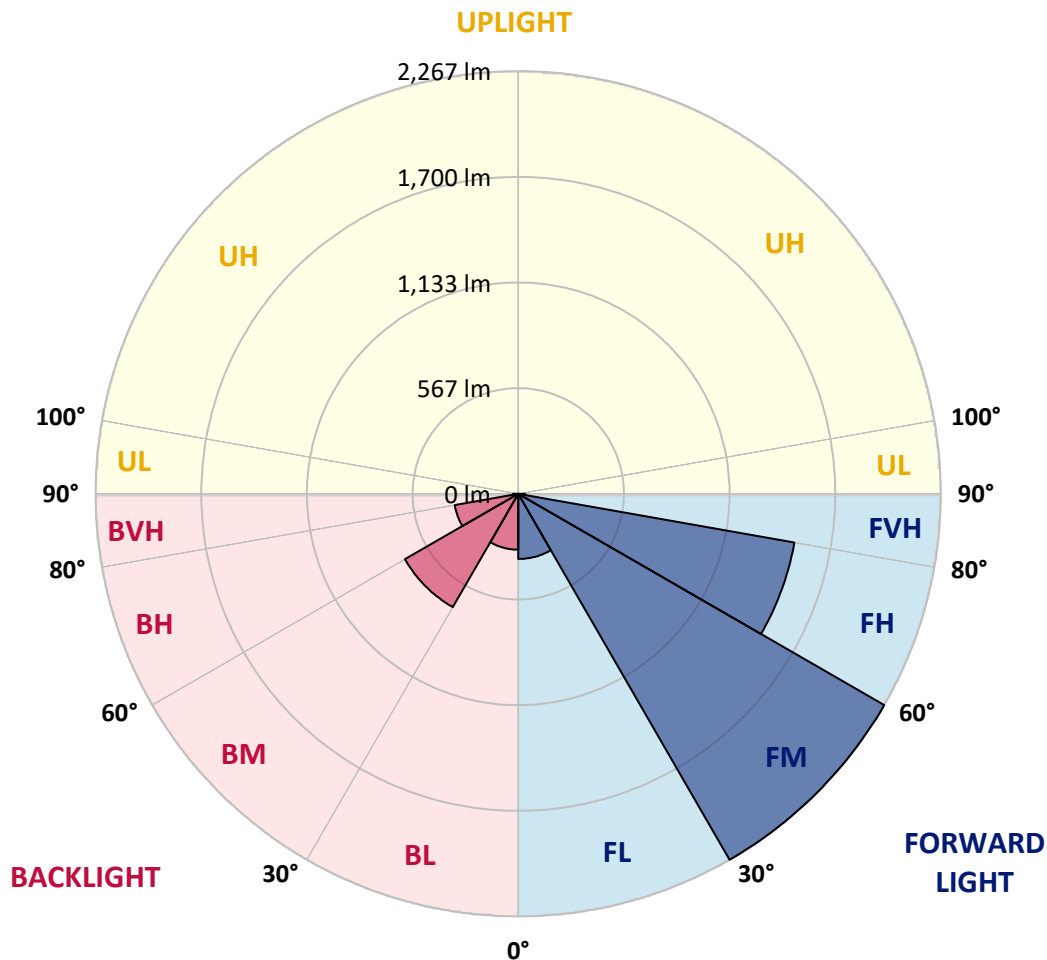
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.5	6.3			
FM (30°-60°)	2266.6	41.0			
FH (60°-80°)	1503.5	27.2			G1/1800
FVH (80°-90°)	36.2	0.7			G1/100
BL (0°-30°)	299.6	5.4	B1/500		
BM (30°-60°)	702.0	12.7	B1/1000		
BH (60°-80°)	346.1	6.3	B1/500		G1/500
BVH (80°-90°)	27.6	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-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
2.5°	607.1	610.6	609.7	608.2	607.9	608.5	609.4	610.3	610.0	611.4
5°	605.3	608.8	608.5	608.5	609.7	612.0	613.5	614.9	613.5	615.2
7.5°	606.5	609.1	610.3	611.4	614.3	618.7	622.2	625.4	623.6	625.7
10°	621.3	623.3	624.5	624.5	626.5	631.5	635.0	640.8	639.3	642.5
12.5°	648.3	650.4	650.4	649.2	650.7	653.9	655.0	661.4	658.8	664.0
15°	681.5	685.5	682.3	680.3	680.9	684.1	683.8	688.7	686.1	690.5
17.5°	718.1	723.3	718.1	717.8	716.6	720.1	720.4	724.8	720.1	723.3
20°	761.4	768.6	764.3	765.7	763.1	764.6	766.0	772.4	765.2	767.5
22.5°	822.4	831.1	826.5	832.0	830.3	829.1	828.8	840.1	828.8	829.7
25°	911.3	921.8	913.7	921.2	921.2	925.0	929.3	943.9	925.0	919.5
27.5°	1042.7	1053.1	1037.2	1041.8	1040.4	1049.7	1045.0	1081.0	1060.7	1051.7
30°	1200.8	1219.4	1189.1	1188.0	1186.5	1201.3	1208.0	1231.9	1211.2	1202.2
32.5°	1371.6	1391.1	1355.1	1344.6	1339.1	1348.1	1342.6	1361.8	1347.5	1333.6
35°	1552.4	1571.6	1537.3	1516.9	1494.9	1476.0	1456.2	1461.1	1447.8	1426.6
37.5°	1723.3	1758.4	1722.1	1700.3	1659.6	1622.7	1567.5	1544.6	1532.1	1512.6
40°	1897.3	1917.4	1889.8	1871.2	1827.0	1769.2	1680.8	1632.3	1615.5	1596.6
42.5°	2025.5	2044.7	2029.9	2017.1	1982.5	1915.4	1801.2	1740.4	1716.0	1694.8
45°	2127.2	2141.4	2132.1	2136.8	2122.0	2056.9	1925.8	1856.4	1831.1	1805.2
47.5°	2168.2	2183.3	2198.1	2225.7	2251.0	2203.1	2059.8	1981.9	1955.2	1928.7
50°	2163.5	2178.9	2221.9	2280.6	2359.1	2343.1	2201.0	2115.6	2090.9	2060.7
52.5°	2126.3	2143.8	2199.0	2296.6	2421.6	2448.0	2344.9	2253.6	2230.4	2194.3
55°	2028.7	2039.2	2122.0	2260.3	2436.4	2521.3	2485.8	2400.7	2377.4	2327.1
57.5°	1847.6	1862.8	1983.4	2162.4	2399.2	2571.0	2609.6	2555.3	2532.9	2460.5
60°	1611.4	1635.5	1773.5	1997.9	2304.5	2570.7	2722.1	2707.2	2688.7	2591.9
62.5°	1344.0	1371.9	1504.7	1765.4	2138.8	2497.7	2792.4	2834.5	2824.9	2713.1
65°	1032.2	1051.4	1183.6	1464.6	1881.1	2341.1	2800.5	2921.4	2923.2	2805.2
67.5°	687.3	742.5	857.3	1099.1	1535.8	2085.1	2729.0	2935.7	2952.5	2836.9
70°	335.4	408.0	520.5	714.3	1099.1	1692.5	2542.2	2818.8	2856.3	2744.4
72.5°	139.2	162.7	224.1	352.5	630.9	1142.1	2166.7	2502.1	2571.5	2431.8
75°	93.9	101.7	128.2	180.8	287.4	563.2	1562.6	1865.7	1977.5	1836.6
77.5°	72.4	77.3	93.3	126.4	170.9	213.0	836.4	1124.3	1182.2	1094.4
80°	57.0	60.7	69.7	92.1	121.2	113.9	285.1	509.4	542.8	455.4
82.5°	49.4	50.9	50.0	62.5	80.5	66.5	93.6	188.0	207.5	150.5
85°	35.7	39.8	41.6	38.7	42.7	33.7	38.4	66.5	73.2	65.4
87.5°	14.5	21.5	26.4	25.0	15.7	9.6	11.9	19.5	22.4	24.4
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°
613.5	0°	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
613.8	2.5°	614.0	616.1	617.5	619.3	620.4	622.2	625.7	627.7	628.0	629.4
618.4	5°	619.6	622.5	625.7	630.3	635.5	639.9	646.6	651.2	653.0	654.4
629.7	7.5°	631.5	635.5	641.4	649.5	657.1	662.9	671.0	676.5	682.0	684.1
647.8	10°	649.2	655.0	663.4	674.5	682.6	690.2	698.6	703.3	708.8	711.1
669.3	12.5°	671.3	677.4	688.4	703.8	711.4	716.6	719.5	718.4	719.5	721.6
695.1	15°	696.6	703.3	715.8	732.3	737.5	732.9	726.5	720.7	719.8	720.4
726.5	17.5°	726.5	731.4	746.0	759.9	756.1	737.0	723.0	713.7	709.1	707.6
766.6	20°	768.4	768.4	780.3	789.0	763.7	731.2	709.4	694.2	684.7	680.6
821.2	22.5°	819.2	814.6	822.1	816.0	762.2	714.9	684.7	658.5	644.0	638.2
897.7	25°	883.7	878.2	876.2	838.4	751.8	689.0	639.9	608.2	595.4	592.2
1007.8	27.5°	981.1	967.1	940.7	850.6	732.6	648.3	587.6	558.2	551.0	551.3
1149.3	30°	1110.7	1082.8	1018.0	852.6	701.2	590.8	534.1	513.2	509.7	511.2
1268.2	32.5°	1230.7	1204.3	1097.0	843.3	653.0	534.4	486.2	472.2	467.0	468.7
1358.9	35°	1324.9	1317.6	1170.3	830.3	593.7	481.5	443.2	431.3	421.1	418.8
1444.3	37.5°	1413.8	1410.9	1225.2	811.9	535.0	444.0	408.6	392.9	378.1	369.9
1538.7	40°	1511.4	1508.5	1261.2	783.8	483.0	411.5	377.5	356.9	338.6	323.7
1645.7	42.5°	1621.3	1604.1	1278.4	743.4	438.8	383.9	352.2	324.3	300.2	286.5
1766.6	45°	1741.3	1702.6	1278.1	691.9	401.6	358.6	325.2	285.7	263.3	250.5
1890.7	47.5°	1868.6	1796.8	1262.4	635.0	365.6	330.7	283.3	253.1	238.3	230.4
2025.5	50°	1999.9	1884.8	1235.6	569.6	328.7	299.0	257.2	236.6	225.2	218.0
2159.2	52.5°	2123.4	1964.8	1203.4	495.5	291.2	268.2	245.6	229.6	217.7	209.5
2288.8	55°	2238.2	2033.6	1157.8	419.6	260.7	247.6	240.0	226.7	213.0	203.4
2420.4	57.5°	2340.2	2078.4	1079.0	348.4	238.9	233.4	234.2	221.7	206.0	197.9
2550.0	60°	2425.1	2111.2	962.5	282.5	221.1	219.4	225.2	212.4	194.1	184.8
2659.6	62.5°	2475.9	2110.6	819.5	231.3	206.0	206.6	213.3	200.8	182.2	173.5
2716.8	65°	2471.6	2058.9	662.6	197.9	191.5	192.1	200.8	188.0	172.3	167.1
2688.1	67.5°	2384.1	1932.8	508.3	176.1	175.5	178.1	188.3	179.3	166.2	165.6
2516.6	70°	2147.3	1671.0	366.2	158.7	159.0	162.7	176.1	173.8	163.0	164.2
2115.9	72.5°	1721.8	1274.0	245.8	140.4	140.7	146.8	164.5	169.4	159.8	175.2
1501.3	75°	1146.7	794.5	158.1	120.9	121.2	129.0	154.3	161.0	151.1	174.7
781.1	77.5°	551.0	357.1	114.5	101.7	101.7	109.0	133.4	144.1	128.7	135.7
251.1	80°	190.3	134.3	90.1	81.9	80.2	85.1	112.5	125.0	111.0	102.3
81.9	82.5°	75.0	69.7	72.4	63.6	57.8	61.0	87.5	103.2	81.7	73.8
46.2	85°	43.0	45.3	51.1	42.1	33.4	37.5	64.2	74.1	61.6	54.3
15.1	87.5°	11.6	16.0	23.5	21.8	15.1	16.0	30.5	41.0	35.5	27.3
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°
613.5
629.2
654.1
684.4
712.3
722.1
722.4
709.7
679.7
637.3
592.8
552.1
516.1
471.1
420.5
370.2
325.2
287.4
249.9
228.7
215.3
206.0
199.6
192.7
180.8
170.9
166.8
166.5
163.9
177.6
176.1
124.4
95.9
73.5
55.5
28.2
0.0

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