

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: P846295

Luminaire Tested: **GLAN-SB1D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6155 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

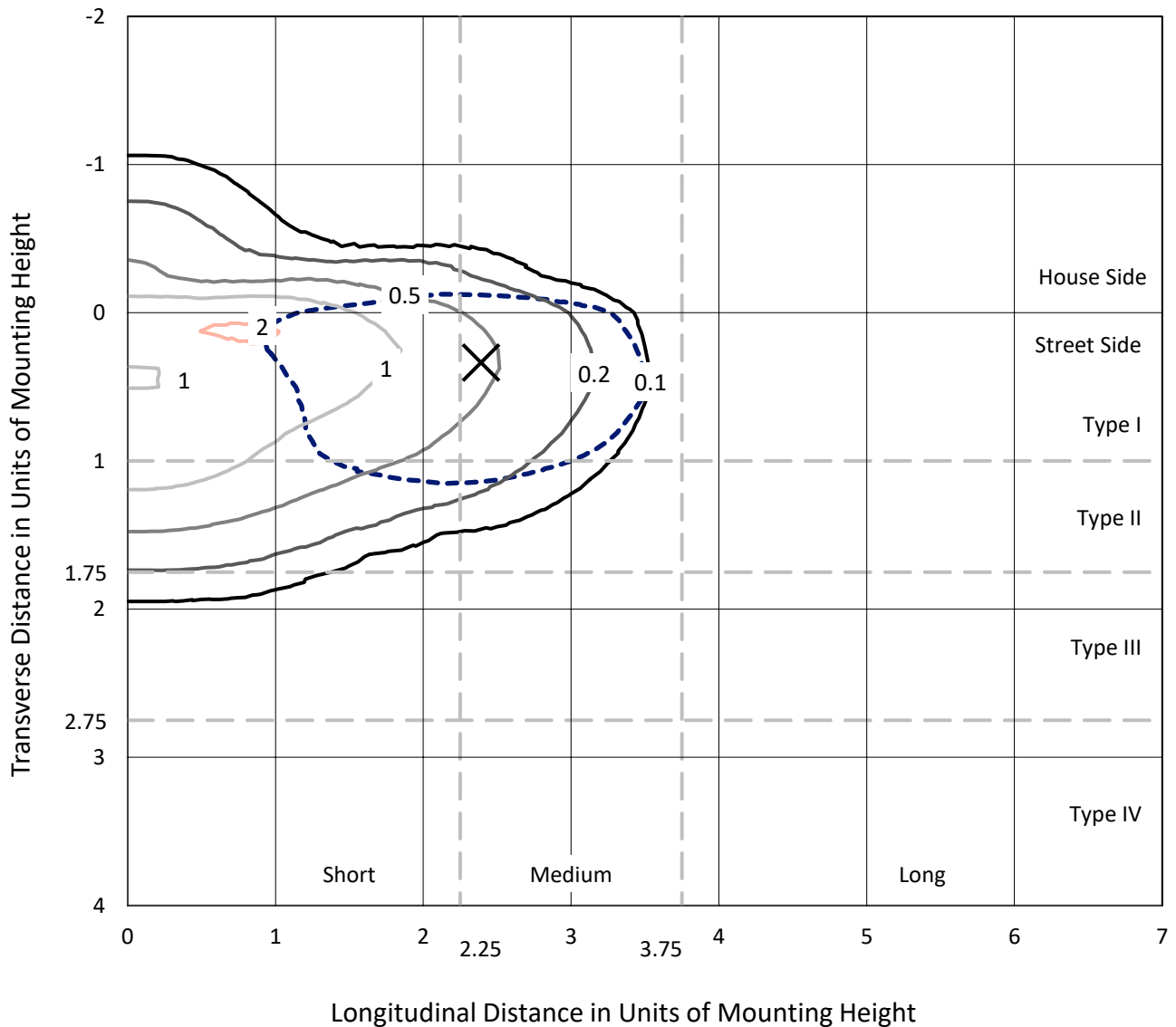
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

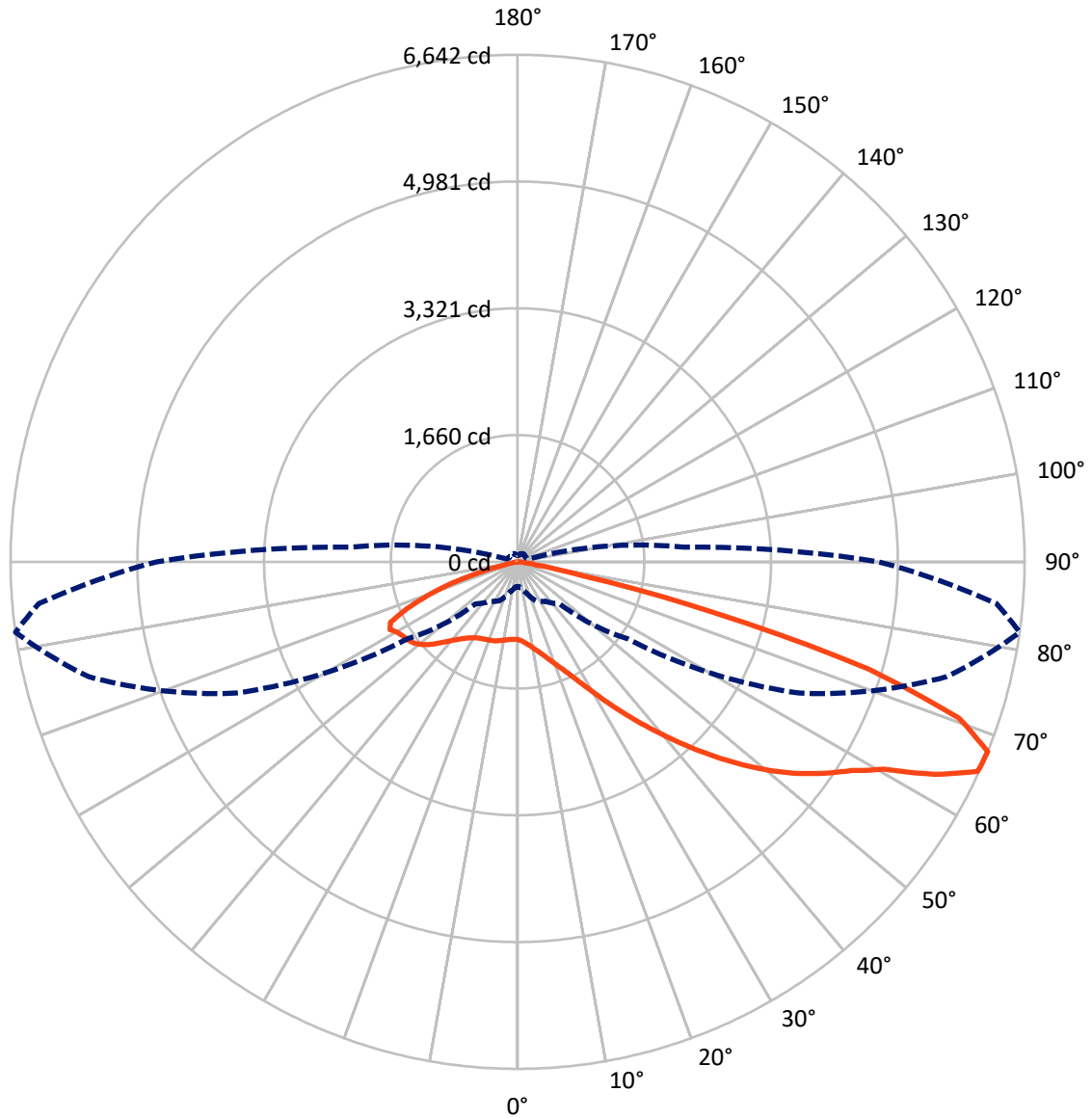
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1114.9	0.0	1114.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5040.1	0.0	5040.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	6155.0	0.0	6155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.5
10°-20°	236.1	3.8
20°-30°	378.1	6.1
30°-40°	668.6	10.9
40°-50°	1171.5	19.0
50°-60°	1562.4	25.4
60°-70°	1454.5	23.6
70°-80°	558.2	9.1
80°-90°	34.7	0.6
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°	6155.0	100.0
0°-180°	6155.0	100.0

Coefficient of Utilization



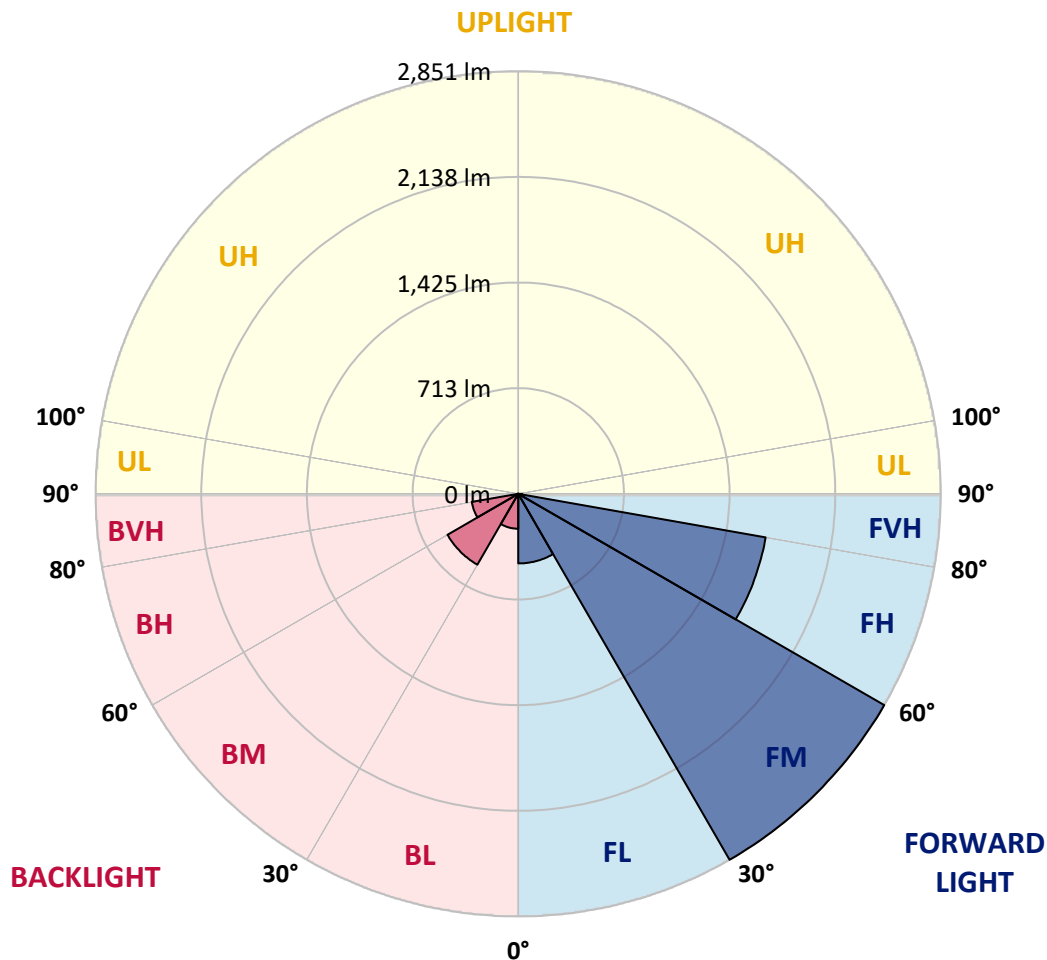
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.6	7.6			
FM (30°-60°)	2850.7	46.3			
FH (60°-80°)	1694.6	27.5			G1/1800
FVH (80°-90°)	25.2	0.4			G1/100
BL (0°-30°)	235.5	3.8	B1/500		
BM (30°-60°)	551.8	9.0	B1/1000		
BH (60°-80°)	318.2	5.2	B1/500		G1/500
BVH (80°-90°)	9.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7
2.5°	1077.7	1083.9	1080.4	1078.6	1075.5	1071.1	1067.5	1056.5	1044.9	1037.4
5°	1099.4	1105.6	1105.2	1107.0	1109.2	1110.5	1109.6	1097.2	1080.8	1068.0
7.5°	1080.8	1087.9	1093.7	1102.5	1118.1	1134.4	1142.4	1139.8	1122.9	1105.2
10°	1028.1	1035.6	1049.4	1070.2	1103.0	1138.4	1168.1	1181.9	1171.2	1151.7
12.5°	931.5	939.0	966.1	1011.3	1066.2	1127.8	1184.5	1221.3	1224.0	1204.5
15°	822.9	830.5	859.3	916.0	999.7	1098.6	1193.4	1263.0	1286.4	1269.6
17.5°	755.6	762.2	783.9	829.6	916.9	1040.1	1190.3	1307.3	1360.9	1347.6
20°	735.2	740.9	751.1	783.0	855.7	979.3	1169.9	1348.9	1441.1	1433.6
22.5°	756.9	762.2	765.3	779.5	825.1	939.5	1144.2	1391.5	1534.2	1535.1
25°	807.0	812.3	808.7	817.6	837.5	927.1	1134.4	1441.5	1651.2	1660.9
27.5°	889.4	889.8	881.4	881.0	884.1	945.7	1144.6	1495.2	1798.7	1816.9
30°	1054.7	1048.0	1015.7	980.7	964.7	1001.5	1173.0	1558.5	1972.9	2005.2
32.5°	1309.5	1299.7	1240.4	1156.6	1072.4	1091.5	1224.0	1630.8	2162.5	2221.0
35°	1586.0	1583.4	1521.3	1396.8	1249.7	1219.5	1306.8	1725.6	2369.5	2462.6
37.5°	1843.0	1841.7	1806.3	1659.6	1480.5	1398.1	1439.8	1849.7	2591.1	2725.8
40°	2077.9	2081.9	2046.4	1915.3	1734.9	1627.2	1620.6	2003.0	2837.5	3012.5
42.5°	2280.9	2285.3	2249.4	2152.4	1986.2	1880.7	1842.6	2190.9	3078.1	3320.5
45°	2418.7	2446.2	2440.8	2363.3	2244.1	2134.6	2109.4	2426.7	3352.4	3647.1
47.5°	2457.7	2482.9	2522.8	2533.5	2460.8	2353.1	2383.2	2710.7	3629.8	3974.1
50°	2361.5	2385.0	2467.9	2578.2	2628.7	2595.5	2649.6	3015.2	3913.9	4300.3
52.5°	2171.9	2195.8	2300.4	2475.0	2681.0	2785.6	2916.8	3315.2	4189.0	4609.1
55°	1897.5	1922.8	2057.1	2254.7	2581.3	2864.0	3139.7	3614.7	4441.2	4887.0
57.5°	1524.4	1543.0	1682.6	1959.1	2330.5	2786.0	3304.1	3941.8	4678.7	5160.0
60°	993.5	1009.9	1172.1	1480.5	1914.8	2525.5	3336.9	4306.5	4994.2	5514.9
62.5°	660.7	671.8	768.0	994.4	1348.5	2025.2	3145.0	4597.6	5456.9	6132.7
65°	453.3	464.4	560.6	718.3	871.2	1339.6	2593.3	4559.1	5876.1	6623.2
67.5°	323.5	332.8	414.3	563.2	630.6	778.2	1758.0	4066.3	5815.8	6641.8
70°	231.8	237.1	304.4	438.7	501.2	467.5	977.6	3110.0	5092.2	6133.1
72.5°	162.2	164.0	211.4	334.1	403.7	341.2	465.3	2073.5	3851.4	4813.9
75°	109.9	112.1	142.2	245.1	323.9	260.6	246.4	1111.8	2260.9	2664.6
77.5°	67.4	68.2	91.7	167.5	242.4	198.5	158.6	471.1	874.8	858.8
80°	38.1	38.1	58.5	104.1	165.3	128.1	111.2	200.3	277.0	243.3
82.5°	21.3	21.7	42.5	64.7	109.5	75.8	61.2	92.6	119.6	105.9
85°	8.9	9.7	26.1	30.6	52.3	37.7	24.8	39.0	44.3	39.4
87.5°	0.9	1.3	8.0	5.8	6.2	7.5	3.5	7.5	6.2	6.2
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°
1019.7	0°	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7	1019.7
1034.7	2.5°	1026.3	1019.7	1002.8	983.3	957.6	945.2	928.4	916.9	907.1	908.0
1060.4	5°	1046.3	1029.4	991.8	944.8	886.3	844.6	800.3	769.7	744.9	739.6
1095.9	7.5°	1073.7	1047.2	981.1	896.5	797.7	722.8	655.9	612.9	582.3	572.5
1138.9	10°	1109.2	1070.6	967.4	835.8	693.5	598.2	526.5	492.8	471.9	464.9
1189.4	12.5°	1150.4	1097.7	949.2	761.8	586.3	494.5	448.9	432.1	425.4	423.2
1251.4	15°	1202.3	1131.3	921.7	674.0	495.4	431.2	411.7	409.5	410.4	409.5
1325.9	17.5°	1263.8	1168.1	877.0	583.6	434.3	398.8	391.7	393.5	395.7	395.3
1409.2	20°	1331.2	1204.5	819.8	503.4	392.6	375.8	371.8	373.6	375.3	374.5
1505.4	22.5°	1407.9	1243.5	756.4	440.9	364.7	354.5	350.1	350.5	350.5	348.8
1627.2	25°	1499.6	1286.4	690.0	396.6	343.4	335.5	330.1	328.4	325.7	320.4
1775.2	27.5°	1609.1	1332.1	626.2	365.6	326.6	319.1	312.9	308.4	301.8	292.9
1952.9	30°	1732.3	1387.5	572.1	346.1	313.3	305.8	298.7	292.0	282.3	271.2
2157.2	32.5°	1877.2	1446.9	532.7	333.2	301.3	293.4	284.9	277.0	266.3	255.3
2386.8	35°	2050.0	1518.7	509.6	324.4	292.0	281.4	272.1	263.2	255.3	245.5
2636.3	37.5°	2237.4	1594.9	502.5	320.0	285.8	269.4	258.8	252.6	251.7	245.9
2906.1	40°	2442.6	1685.3	507.8	317.3	279.2	257.9	246.4	245.1	247.3	237.1
3194.6	42.5°	2659.8	1792.5	516.7	314.2	269.9	246.4	235.3	235.3	233.5	219.4
3499.5	45°	2894.6	1916.2	525.6	306.7	258.8	234.9	226.4	223.3	215.8	202.1
3806.2	47.5°	3131.3	2042.0	532.2	292.9	245.5	225.1	217.6	210.5	199.4	187.0
4107.1	50°	3355.9	2155.0	525.1	272.5	230.4	215.8	207.8	198.1	186.1	177.7
4392.0	52.5°	3556.7	2252.9	495.0	248.6	214.5	206.1	199.0	188.8	179.0	170.2
4649.0	55°	3731.3	2332.3	441.8	226.0	200.3	197.6	190.6	177.7	164.4	156.9
4903.8	57.5°	3898.8	2392.5	375.3	207.4	187.5	188.3	177.7	166.2	153.8	145.8
5247.3	60°	4121.7	2473.2	308.0	190.1	173.7	176.4	164.8	156.4	140.9	130.7
5836.2	62.5°	4478.0	2598.6	244.6	168.8	157.8	158.6	153.8	143.6	125.0	113.0
6272.7	65°	4760.7	2552.5	192.8	145.8	139.6	140.9	140.9	129.8	109.9	96.2
6296.2	67.5°	4728.8	2185.6	153.8	123.2	122.3	123.2	126.3	117.0	97.5	86.4
5816.7	70°	4356.1	1738.5	123.2	102.4	106.4	104.1	113.0	106.8	87.7	76.7
4509.4	72.5°	3554.5	1252.3	93.9	84.6	81.5	85.1	101.9	96.2	73.1	60.7
2388.5	75°	2077.0	668.3	70.0	66.9	58.9	70.9	90.4	82.0	55.8	44.8
732.1	77.5°	676.2	233.1	51.4	49.2	43.9	57.2	77.1	69.1	45.6	35.5
214.5	80°	181.2	70.5	35.0	32.3	28.4	42.5	61.2	54.9	32.8	23.0
92.2	82.5°	72.7	29.7	20.4	18.2	15.5	29.2	48.3	44.3	24.4	14.6
28.8	85°	23.5	9.7	7.5	5.8	7.1	18.2	28.8	30.1	17.3	7.5
4.4	87.5°	3.1	1.3	1.3	1.8	1.3	3.1	8.9	8.4	4.9	0.9
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°
<hr/>
1019.7
899.1
727.6
562.8
459.5
421.9
409.0
394.4
374.0
347.9
319.5
292.0
270.3
255.7
244.6
245.5
237.5
219.4
201.6
186.6
176.4
169.3
156.0
144.9
129.4
112.1
94.8
84.6
75.3
59.4
43.4
34.1
22.6
14.6
5.8
0.0
0.0

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