

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: P846975

Luminaire Tested: **GLAN-SB2D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846975
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-SB2D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12304 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

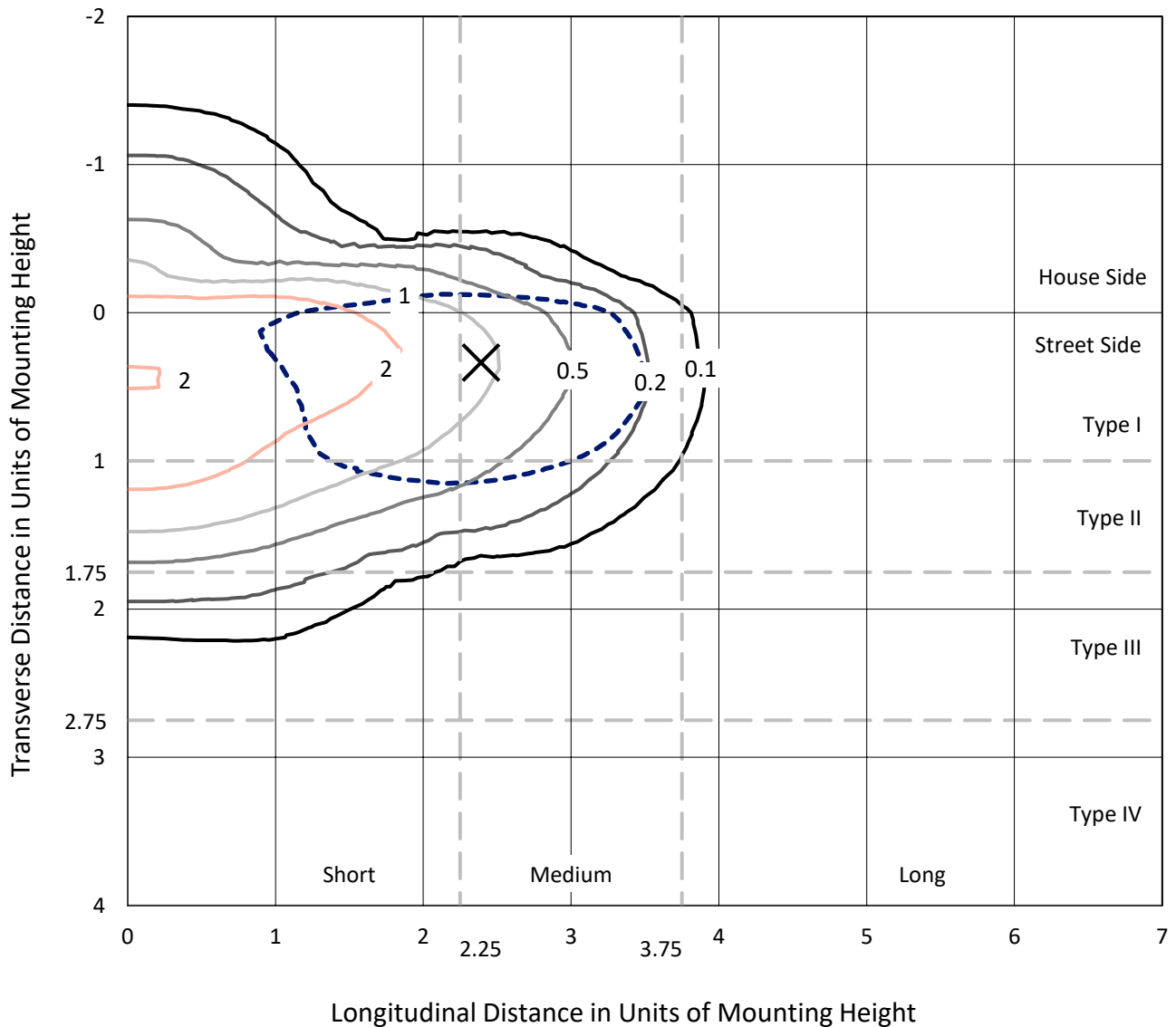
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

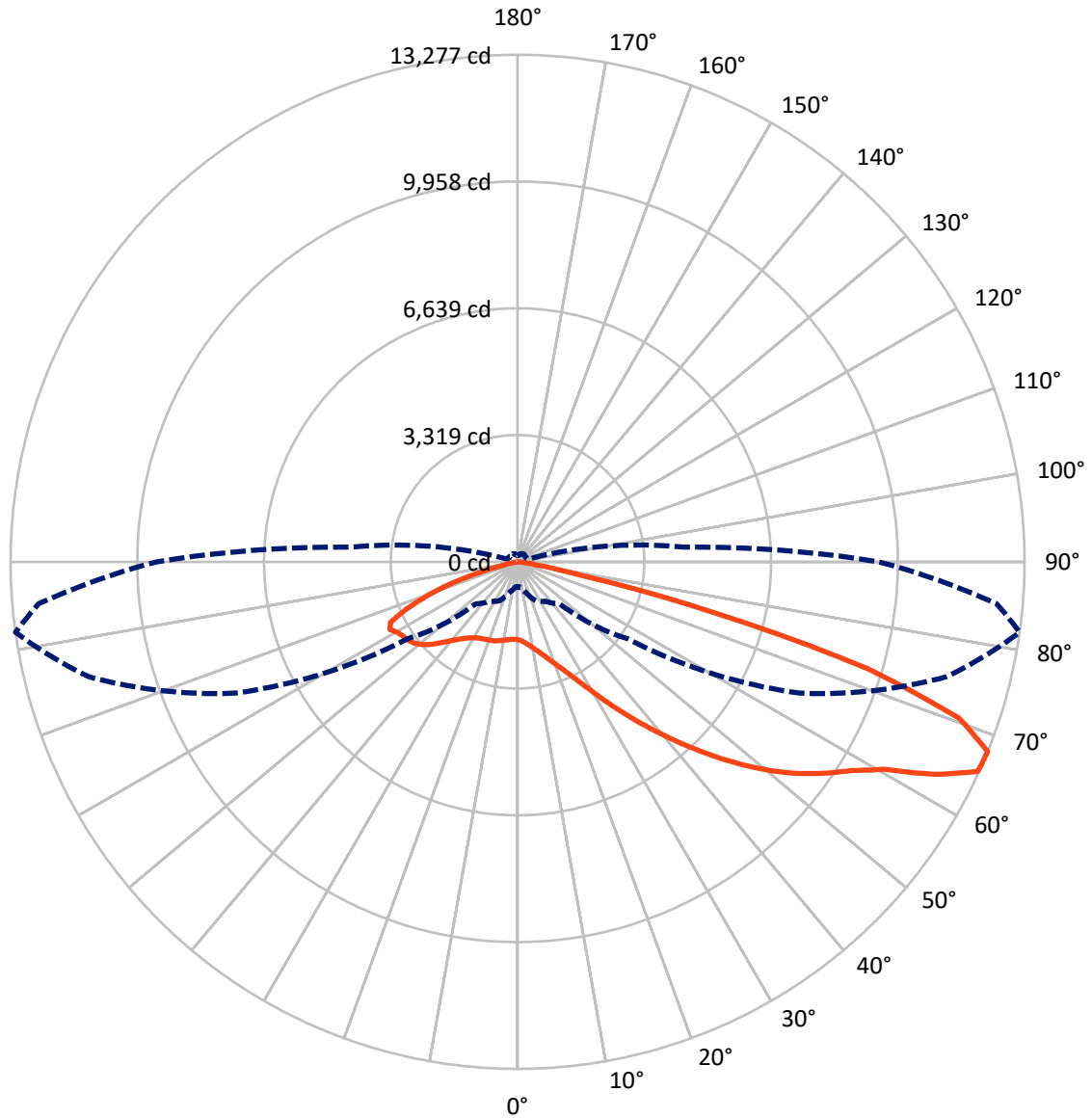
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	2228.8	0.0	2228.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10075.2	0.0	10075.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	12304.0	0.0	12304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	1.5
10°-20°	471.9	3.8
20°-30°	755.9	6.1
30°-40°	1336.6	10.9
40°-50°	2341.8	19.0
50°-60°	3123.3	25.4
60°-70°	2907.7	23.6
70°-80°	1116.0	9.1
80°-90°	69.3	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°	12304.0	100.0
0°-180°	12304.0	100.0

Coefficient of Utilization

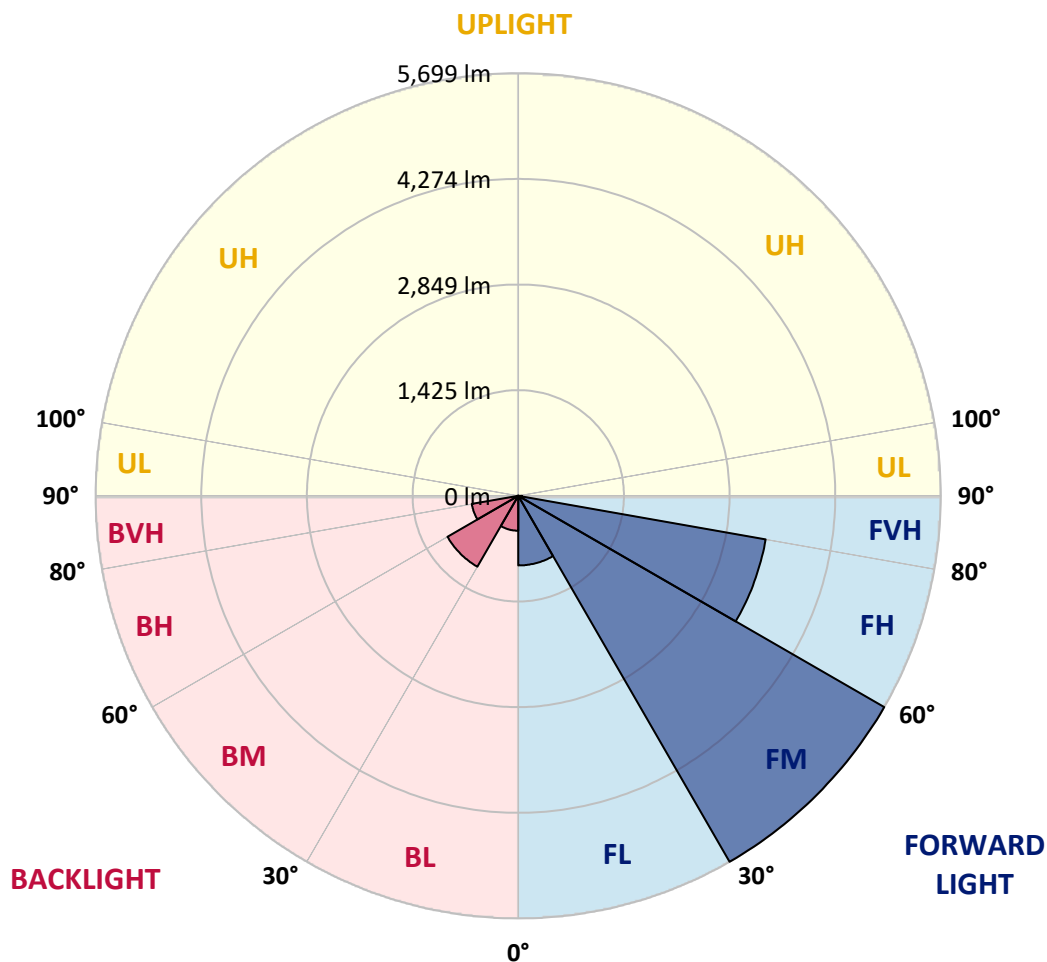


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.7	7.6			
FM (30°-60°)	5698.7	46.3			
FH (60°-80°)	3387.5	27.5			G2/5000
FVH (80°-90°)	50.4	0.4			G1/100
BL (0°-30°)	470.7	3.8	B1/500		
BM (30°-60°)	1103.0	9.0	B2/2500		
BH (60°-80°)	636.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.9	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4
2.5°	2154.4	2166.8	2159.7	2156.2	2150.0	2141.1	2134.0	2111.9	2088.9	2073.8
5°	2197.8	2210.2	2209.3	2212.9	2217.3	2220.0	2218.2	2193.4	2160.6	2134.9
7.5°	2160.6	2174.8	2186.3	2204.0	2235.0	2267.8	2283.7	2278.4	2244.8	2209.3
10°	2055.2	2070.2	2097.7	2139.3	2204.9	2275.8	2335.1	2362.6	2341.3	2302.3
12.5°	1862.1	1877.1	1931.2	2021.5	2131.4	2254.5	2367.9	2441.4	2446.7	2407.8
15°	1645.0	1660.1	1717.7	1831.1	1998.5	2196.0	2385.6	2524.7	2571.6	2538.0
17.5°	1510.4	1523.7	1567.1	1658.3	1832.8	2079.1	2379.4	2613.3	2720.5	2693.9
20°	1469.6	1481.2	1501.5	1565.3	1710.6	1957.7	2338.7	2696.5	2880.8	2865.7
22.5°	1513.0	1523.7	1529.9	1558.2	1649.5	1878.0	2287.3	2781.6	3066.8	3068.6
25°	1613.1	1623.8	1616.7	1634.4	1674.3	1853.2	2267.8	2881.7	3300.7	3320.2
27.5°	1777.9	1778.8	1762.0	1761.1	1767.3	1890.4	2288.2	2988.9	3595.7	3632.0
30°	2108.3	2095.1	2030.4	1960.4	1928.5	2002.0	2344.9	3115.6	3943.8	4008.5
32.5°	2617.7	2598.2	2479.5	2312.1	2143.8	2181.9	2446.7	3260.0	4323.0	4439.9
35°	3170.5	3165.2	3041.1	2792.2	2498.1	2437.9	2612.4	3449.5	4736.7	4922.7
37.5°	3684.3	3681.6	3610.8	3317.5	2959.6	2794.9	2878.1	3697.6	5179.6	5448.9
40°	4153.8	4161.8	4090.9	3828.7	3468.1	3252.9	3239.6	4004.1	5672.1	6022.1
42.5°	4559.5	4568.4	4496.6	4302.6	3970.4	3759.6	3683.4	4379.7	6153.2	6637.7
45°	4835.0	4889.9	4879.3	4724.3	4486.0	4267.2	4216.7	4851.0	6701.5	7290.6
47.5°	4913.0	4963.5	5043.2	5064.4	4919.2	4703.9	4764.1	5418.8	7256.1	7944.4
50°	4720.7	4767.7	4933.3	5153.9	5254.9	5188.5	5296.5	6027.4	7823.9	8596.4
52.5°	4341.6	4389.4	4598.5	4947.5	5359.4	5568.5	5830.7	6627.1	8374.0	9213.8
55°	3793.2	3843.7	4112.1	4507.2	5160.1	5725.3	6276.3	7225.9	8878.1	9769.2
57.5°	3047.3	3084.6	3363.6	3916.4	4658.7	5569.4	6604.9	7879.7	9352.9	10314.9
60°	1986.1	2018.9	2343.1	2959.6	3827.8	5048.5	6670.5	8608.8	9983.6	11024.5
62.5°	1320.8	1343.0	1535.2	1987.9	2695.7	4048.4	6286.9	9190.8	10908.4	12259.4
65°	906.2	928.4	1120.6	1436.0	1741.6	2677.9	5184.0	9113.7	11746.5	13240.0
67.5°	646.7	665.3	828.3	1125.9	1260.6	1555.6	3514.2	8128.6	11626.0	13277.2
70°	463.3	473.9	608.6	877.0	1001.9	934.6	1954.2	6216.9	10179.4	12260.3
72.5°	324.2	327.8	422.6	667.9	807.0	682.1	930.1	4144.9	7699.0	9623.1
75°	219.7	224.1	284.4	489.9	647.6	520.9	492.5	2222.6	4519.6	5326.7
77.5°	134.7	136.4	183.4	334.9	484.6	396.9	317.1	941.7	1748.7	1716.8
80°	76.2	76.2	116.9	208.2	330.4	256.0	222.4	400.4	553.7	486.3
82.5°	42.5	43.4	85.0	129.3	218.8	151.5	122.2	185.1	239.2	211.7
85°	17.7	19.5	52.3	61.1	104.5	75.3	49.6	78.0	88.6	78.8
87.5°	1.8	2.7	15.9	11.5	12.4	15.1	7.1	15.1	12.4	12.4
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°
2038.4	0°	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4	2038.4
2068.5	2.5°	2051.6	2038.4	2004.7	1965.7	1914.3	1889.5	1855.9	1832.8	1813.3	1815.1
2119.9	5°	2091.5	2057.8	1982.5	1888.6	1771.7	1688.4	1599.9	1538.7	1489.1	1478.5
2190.7	7.5°	2146.4	2093.3	1961.3	1792.1	1594.5	1444.8	1311.1	1225.1	1164.0	1144.5
2276.7	10°	2217.3	2140.2	1933.8	1670.7	1386.4	1195.9	1052.4	985.1	943.4	929.3
2377.6	12.5°	2299.7	2194.3	1897.5	1522.8	1172.0	988.6	897.4	863.7	850.4	846.0
2501.7	15°	2403.3	2261.6	1842.6	1347.4	990.4	861.9	823.0	818.5	820.3	818.5
2650.5	17.5°	2526.5	2335.1	1753.1	1166.7	868.1	797.3	783.1	786.6	791.1	790.2
2817.0	20°	2661.1	2407.8	1638.8	1006.3	784.9	751.2	743.2	746.8	750.3	748.5
3009.3	22.5°	2814.4	2485.7	1512.2	881.4	729.1	708.7	699.8	700.7	700.7	697.2
3252.9	25°	2997.7	2571.6	1379.3	792.8	686.5	670.6	660.0	656.4	651.1	640.5
3548.7	27.5°	3216.5	2662.9	1251.7	730.8	652.9	637.8	625.4	616.6	603.3	585.6
3904.0	30°	3462.8	2773.6	1143.6	691.9	626.3	611.2	597.1	583.8	564.3	542.1
4312.4	32.5°	3752.5	2892.3	1064.8	666.2	602.4	586.4	569.6	553.7	532.4	510.3
4771.2	35°	4098.0	3035.8	1018.7	648.4	583.8	562.5	543.9	526.2	510.3	490.8
5270.0	37.5°	4472.7	3188.2	1004.6	639.6	571.4	538.6	517.3	504.9	503.2	491.7
5809.4	40°	4882.8	3368.9	1015.2	634.3	558.1	515.6	492.5	489.9	494.3	473.9
6386.1	42.5°	5316.9	3583.3	1032.9	628.1	539.5	492.5	470.4	470.4	466.8	438.5
6995.6	45°	5786.4	3830.4	1050.6	613.0	517.3	469.5	452.7	446.5	431.4	404.0
7608.6	47.5°	6259.5	4082.0	1063.9	585.6	490.8	450.0	435.0	420.8	398.6	373.8
8210.1	50°	6708.6	4307.9	1049.7	544.8	460.6	431.4	415.5	396.0	372.1	355.2
8779.7	52.5°	7109.9	4503.7	989.5	497.0	428.8	411.9	397.7	377.4	357.9	340.2
9293.5	55°	7458.9	4662.3	883.2	451.8	400.4	395.1	380.9	355.2	328.7	313.6
9802.9	57.5°	7793.8	4782.7	750.3	414.6	374.7	376.5	355.2	332.2	307.4	291.4
10489.4	60°	8239.4	4944.0	615.7	380.0	347.3	352.6	329.5	312.7	281.7	261.3
11666.7	62.5°	8951.6	5194.7	489.0	337.5	315.4	317.1	307.4	287.0	249.8	225.9
12539.3	65°	9516.8	5102.5	385.3	291.4	279.0	281.7	281.7	259.6	219.7	192.2
12586.3	67.5°	9453.0	4369.0	307.4	246.3	244.5	246.3	252.5	233.9	194.9	172.7
11627.8	70°	8708.0	3475.2	246.3	204.6	212.6	208.2	225.9	213.5	175.4	153.3
9014.5	72.5°	7105.5	2503.4	187.8	169.2	163.0	170.1	203.7	192.2	146.2	121.4
4774.8	75°	4152.0	1335.9	140.0	133.8	117.8	141.7	180.7	163.9	111.6	89.5
1463.4	77.5°	1351.8	466.0	102.8	98.3	87.7	114.3	154.1	138.2	91.2	70.9
428.8	80°	362.3	140.9	70.0	64.7	56.7	85.0	122.2	109.8	65.6	46.1
184.3	82.5°	145.3	59.4	40.7	36.3	31.0	58.5	96.6	88.6	48.7	29.2
57.6	85°	47.0	19.5	15.1	11.5	14.2	36.3	57.6	60.2	34.5	15.1
8.9	87.5°	6.2	2.7	2.7	3.5	2.7	6.2	17.7	16.8	9.7	1.8
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°
2038.4
1797.4
1454.6
1125.0
918.6
843.3
817.6
788.4
747.7
695.4
638.7
583.8
540.4
511.1
489.0
490.8
474.8
438.5
403.1
372.9
352.6
338.4
311.8
289.7
258.7
224.1
189.6
169.2
150.6
118.7
86.8
68.2
45.2
29.2
11.5
0.0
0.0

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