

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: P849205

Luminaire Tested: **GLAN-SB6A-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849205
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-SB6A-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA 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: 17056 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

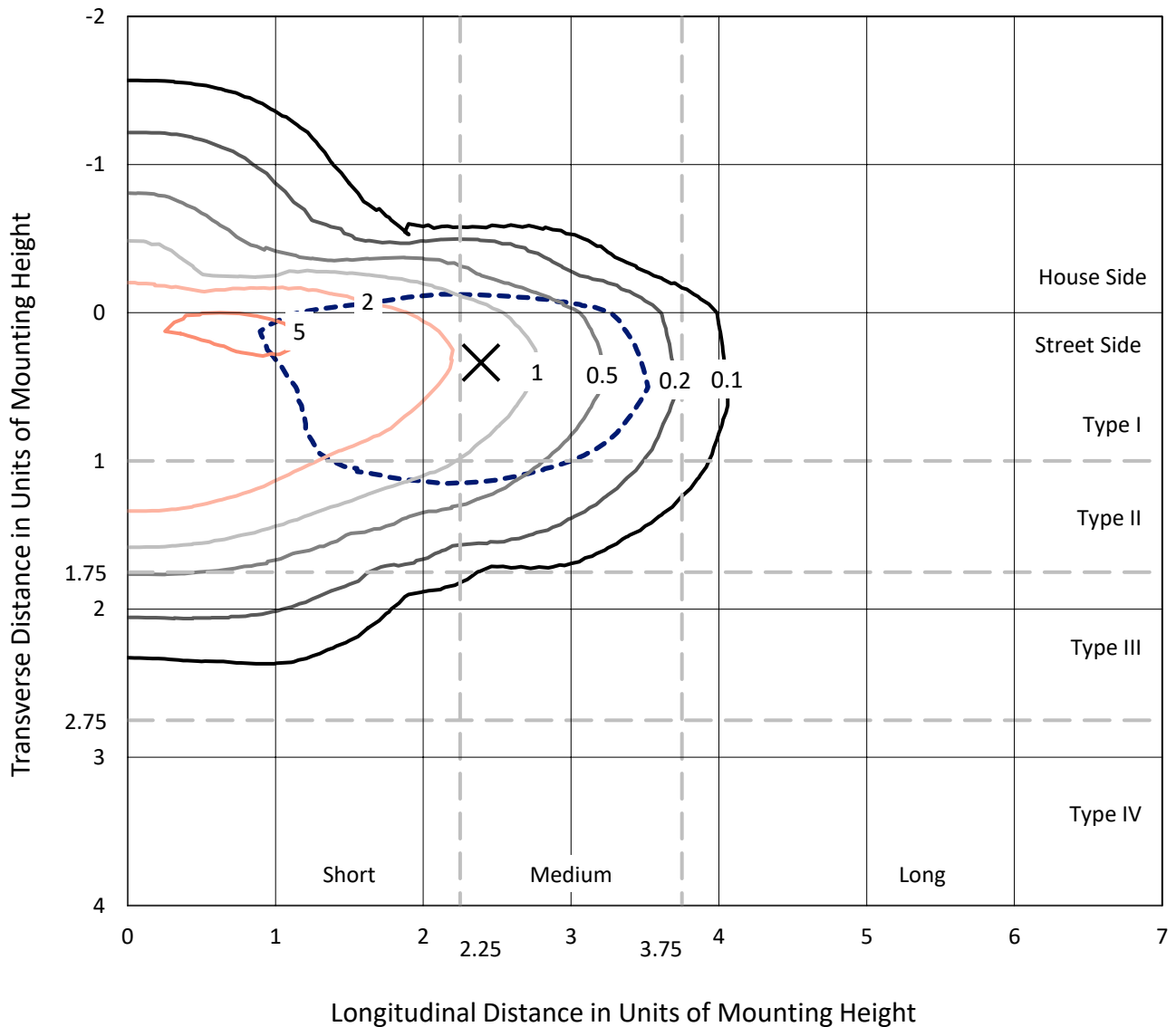
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

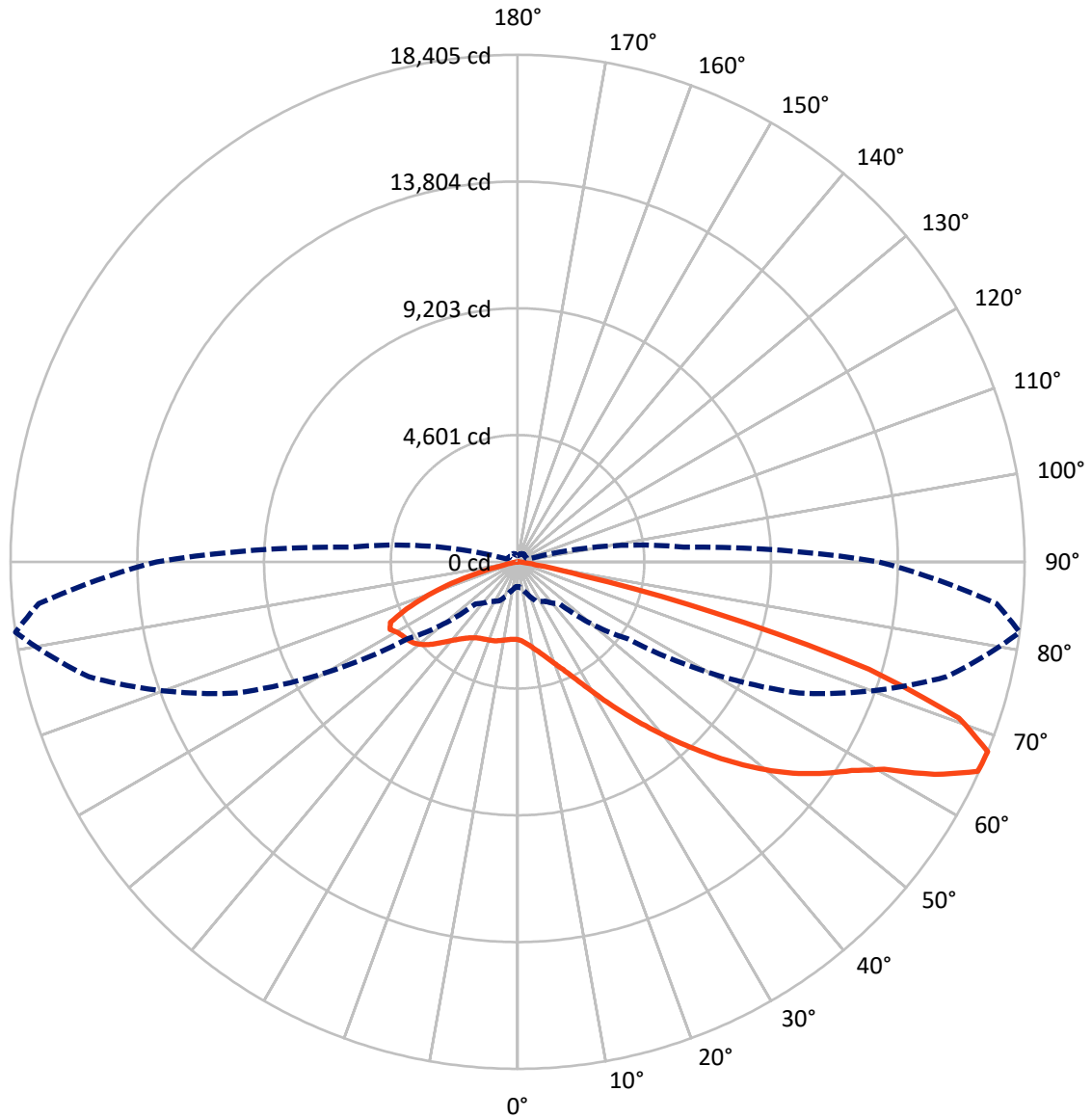
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	3089.5	0.0	3089.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13966.5	0.0	13966.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	17056.0	0.0	17056.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	1.5
10°-20°	654.2	3.8
20°-30°	1047.8	6.1
30°-40°	1852.8	10.9
40°-50°	3246.3	19.0
50°-60°	4329.6	25.4
60°-70°	4030.6	23.6
70°-80°	1547.0	9.1
80°-90°	96.1	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°	17056.0	100.0
0°-180°	17056.0	100.0

Coefficient of Utilization

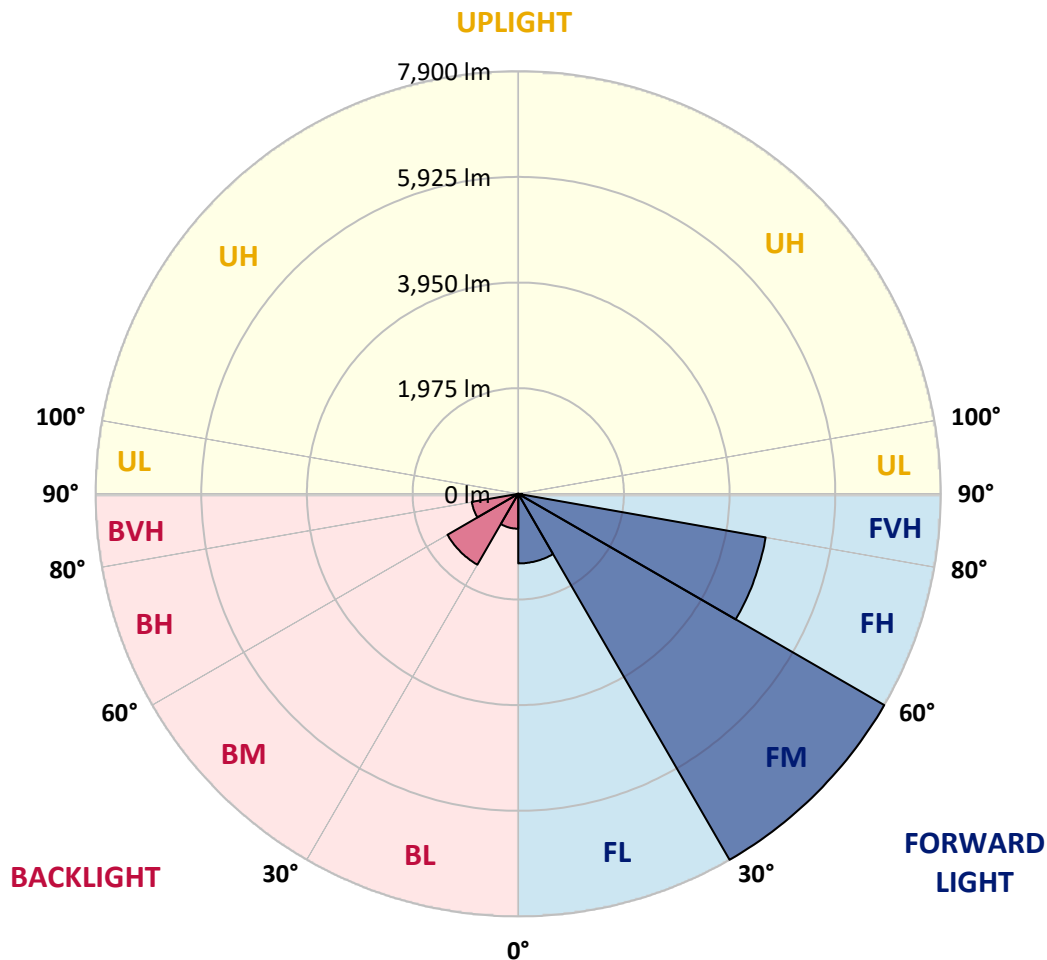


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.2	7.6			
FM (30°-60°)	7899.6	46.3			
FH (60°-80°)	4695.8	27.5			G2/5000
FVH (80°-90°)	69.9	0.4			G1/100
BL (0°-30°)	652.5	3.8	B2/1000		
BM (30°-60°)	1529.0	9.0	B2/2500		
BH (60°-80°)	881.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	26.2	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°	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6
2.5°	2986.5	3003.7	2993.8	2988.9	2980.3	2968.0	2958.2	2927.5	2895.6	2874.7
5°	3046.6	3063.8	3062.6	3067.5	3073.7	3077.3	3074.9	3040.5	2995.1	2959.5
7.5°	2995.1	3014.7	3030.7	3055.2	3098.2	3143.7	3165.8	3158.4	3111.7	3062.6
10°	2848.9	2869.8	2907.9	2965.6	3056.5	3154.7	3237.0	3275.0	3245.6	3191.5
12.5°	2581.2	2602.1	2677.0	2802.3	2954.5	3125.2	3282.4	3384.3	3391.7	3337.7
15°	2280.4	2301.3	2381.1	2538.3	2770.3	3044.2	3307.0	3499.8	3564.9	3518.2
17.5°	2093.7	2112.1	2172.3	2298.8	2540.7	2882.1	3298.4	3622.6	3771.2	3734.3
20°	2037.2	2053.2	2081.4	2169.9	2371.2	2713.9	3241.9	3738.0	3993.4	3972.5
22.5°	2097.4	2112.1	2120.7	2160.0	2286.5	2603.3	3170.7	3855.9	4251.3	4253.8
25°	2236.2	2250.9	2241.1	2265.6	2320.9	2569.0	3143.7	3994.6	4575.5	4602.5
27.5°	2464.6	2465.8	2442.5	2441.2	2449.8	2620.5	3171.9	4143.2	4984.4	5034.8
30°	2922.6	2904.2	2814.6	2717.5	2673.3	2775.3	3250.5	4318.8	5467.0	5556.6
32.5°	3628.7	3601.7	3437.1	3205.1	2971.7	3024.5	3391.7	4519.0	5992.6	6154.7
35°	4395.0	4387.6	4215.7	3870.6	3462.9	3379.4	3621.3	4781.8	6566.1	6823.9
37.5°	5107.2	5103.5	5005.3	4598.8	4102.7	3874.3	3989.7	5125.6	7180.0	7553.4
40°	5758.0	5769.1	5670.9	5307.4	4807.6	4509.2	4490.8	5550.5	7862.8	8347.9
42.5°	6320.5	6332.7	6233.3	5964.3	5503.8	5211.6	5106.0	6071.2	8529.6	9201.3
45°	6702.4	6778.5	6763.8	6548.9	6218.5	5915.2	5845.2	6724.5	9289.7	10106.3
47.5°	6810.4	6880.4	6990.9	7020.4	6819.0	6520.6	6604.1	7511.6	10058.5	11012.6
50°	6544.0	6609.0	6838.7	7144.4	7284.4	7192.3	7342.1	8355.2	10845.6	11916.4
52.5°	6018.4	6084.7	6374.5	6858.3	7429.3	7719.1	8082.6	9186.6	11608.2	12772.3
55°	5258.2	5328.2	5700.3	6248.0	7153.0	7936.5	8700.3	10016.7	12306.9	13542.3
57.5°	4224.3	4275.9	4662.7	5428.9	6458.0	7720.4	9155.9	10923.0	12965.1	14298.7
60°	2753.2	2798.6	3248.0	4102.7	5306.1	6998.3	9246.8	11933.6	13839.4	15282.3
62.5°	1830.9	1861.6	2128.1	2755.6	3736.8	5611.9	8715.0	12740.4	15121.5	16994.1
65°	1256.2	1286.9	1553.4	1990.6	2414.2	3712.2	7186.2	12633.5	16283.1	18353.5
67.5°	896.4	922.2	1148.2	1560.8	1747.4	2156.3	4871.4	11268.0	16116.1	18405.1
70°	642.2	657.0	843.6	1215.7	1388.9	1295.5	2708.9	8618.0	14110.8	16995.4
72.5°	449.4	454.4	585.8	925.9	1118.7	945.6	1289.4	5745.8	10672.4	13339.6
75°	304.5	310.7	394.2	679.1	897.7	722.1	682.8	3081.0	6265.2	7383.9
77.5°	186.7	189.1	254.2	464.2	671.7	550.1	439.6	1305.4	2424.0	2379.8
80°	105.6	105.6	162.1	288.6	458.0	354.9	308.2	555.1	767.5	674.2
82.5°	58.9	60.2	117.9	179.3	303.3	210.0	169.5	256.6	331.6	293.5
85°	24.6	27.0	72.5	84.7	144.9	104.4	68.8	108.1	122.8	109.3
87.5°	2.5	3.7	22.1	16.0	17.2	20.9	9.8	20.9	17.2	17.2
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°
2825.6	0°	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6	2825.6
2867.4	2.5°	2844.0	2825.6	2778.9	2724.9	2653.7	2619.3	2572.6	2540.7	2513.7	2516.1
2938.6	5°	2899.3	2852.6	2748.2	2618.1	2456.0	2340.5	2217.7	2133.0	2064.2	2049.5
3036.8	7.5°	2975.4	2901.7	2718.8	2484.2	2210.4	2002.8	1817.4	1698.3	1613.6	1586.6
3155.9	10°	3073.7	2966.8	2680.7	2316.0	1921.8	1657.8	1458.9	1365.5	1307.8	1288.2
3295.9	12.5°	3187.9	3041.7	2630.4	2110.9	1624.6	1370.4	1244.0	1197.3	1178.9	1172.7
3467.8	15°	3331.5	3135.1	2554.2	1867.8	1372.9	1194.8	1140.8	1134.7	1137.1	1134.7
3674.1	17.5°	3502.2	3237.0	2430.2	1617.3	1203.4	1105.2	1085.5	1090.5	1096.6	1095.4
3905.0	20°	3688.9	3337.7	2271.8	1395.0	1088.0	1041.3	1030.3	1035.2	1040.1	1037.7
4171.5	22.5°	3901.3	3445.7	2096.2	1221.8	1010.6	982.4	970.1	971.3	971.3	966.4
4509.2	25°	4155.5	3564.9	1912.0	1099.0	951.7	929.6	914.9	909.9	902.6	887.8
4919.3	27.5°	4458.8	3691.3	1735.1	1013.1	905.0	884.2	867.0	854.7	836.3	811.7
5411.7	30°	4800.2	3844.8	1585.3	959.1	868.2	847.3	827.7	809.2	782.2	751.5
5977.8	32.5°	5201.8	4009.4	1476.0	923.4	835.0	812.9	789.6	767.5	738.0	707.3
6613.9	35°	5680.7	4208.3	1412.2	898.9	809.2	779.8	754.0	729.4	707.3	680.3
7305.3	37.5°	6200.1	4419.5	1392.5	886.6	792.1	746.6	717.1	700.0	697.5	681.5
8053.1	40°	6768.7	4670.0	1407.3	879.2	773.6	714.7	682.8	679.1	685.2	657.0
8852.6	42.5°	7370.4	4967.2	1431.8	870.6	747.8	682.8	652.1	652.1	647.2	607.9
9697.4	45°	8021.2	5309.8	1456.4	849.8	717.1	650.8	627.5	618.9	598.0	560.0
10547.2	47.5°	8677.0	5658.6	1474.8	811.7	680.3	623.8	602.9	583.3	552.6	518.2
11381.0	50°	9299.6	5971.7	1455.2	755.2	638.6	598.0	575.9	548.9	515.8	492.4
12170.6	52.5°	9855.8	6243.1	1371.7	688.9	594.3	571.0	551.4	523.1	496.1	471.5
12882.8	55°	10339.7	6462.9	1224.3	626.3	555.1	547.7	528.0	492.4	455.6	434.7
13588.9	57.5°	10803.8	6629.9	1040.1	574.7	519.4	521.9	492.4	460.5	426.1	404.0
14540.6	60°	11421.5	6853.4	853.5	526.8	481.4	488.7	456.8	433.5	390.5	362.3
16172.6	62.5°	12408.8	7200.9	677.8	467.9	437.2	439.6	426.1	397.9	346.3	313.1
17382.2	65°	13192.3	7073.2	534.2	404.0	386.8	390.5	390.5	359.8	304.5	266.5
17447.3	67.5°	13103.9	6056.4	426.1	341.4	338.9	341.4	350.0	324.2	270.2	239.5
16118.6	70°	12071.1	4817.4	341.4	283.7	294.7	288.6	313.1	295.9	243.1	212.4
12496.0	72.5°	9849.7	3470.3	260.3	234.5	225.9	235.8	282.4	266.5	202.6	168.2
6618.9	75°	5755.6	1851.8	194.0	185.4	163.3	196.5	250.5	227.2	154.7	124.0
2028.6	77.5°	1873.9	645.9	142.4	136.3	121.6	158.4	213.7	191.6	126.5	98.2
594.3	80°	502.2	195.3	97.0	89.6	78.6	117.9	169.5	152.3	90.9	63.9
255.4	82.5°	201.4	82.3	56.5	50.3	43.0	81.0	133.9	122.8	67.5	40.5
79.8	85°	65.1	27.0	20.9	16.0	19.6	50.3	79.8	83.5	47.9	20.9
12.3	87.5°	8.6	3.7	3.7	4.9	3.7	8.6	24.6	23.3	13.5	2.5
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°
2825.6
2491.6
2016.4
1559.5
1273.4
1169.0
1133.4
1092.9
1036.4
964.0
885.4
809.2
749.1
708.5
677.8
680.3
658.2
607.9
558.7
517.0
488.7
469.1
432.3
401.6
358.6
310.7
262.8
234.5
208.8
164.6
120.3
94.6
62.6
40.5
16.0
0.0
0.0

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