

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: P847935

Luminaire Tested: **GLAN-SB4B-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847935  
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-SB4B-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 450mA 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: 16172 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

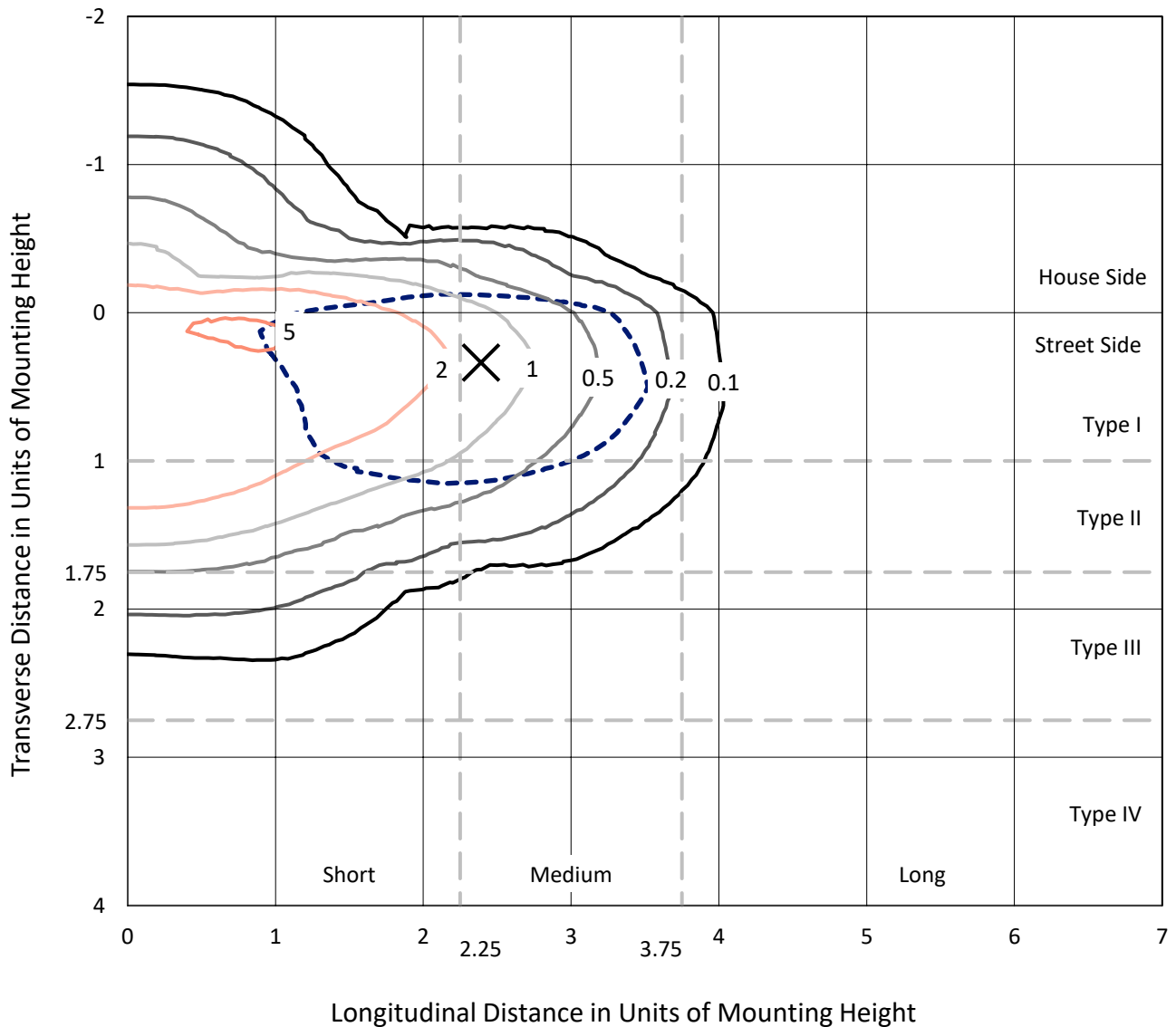
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

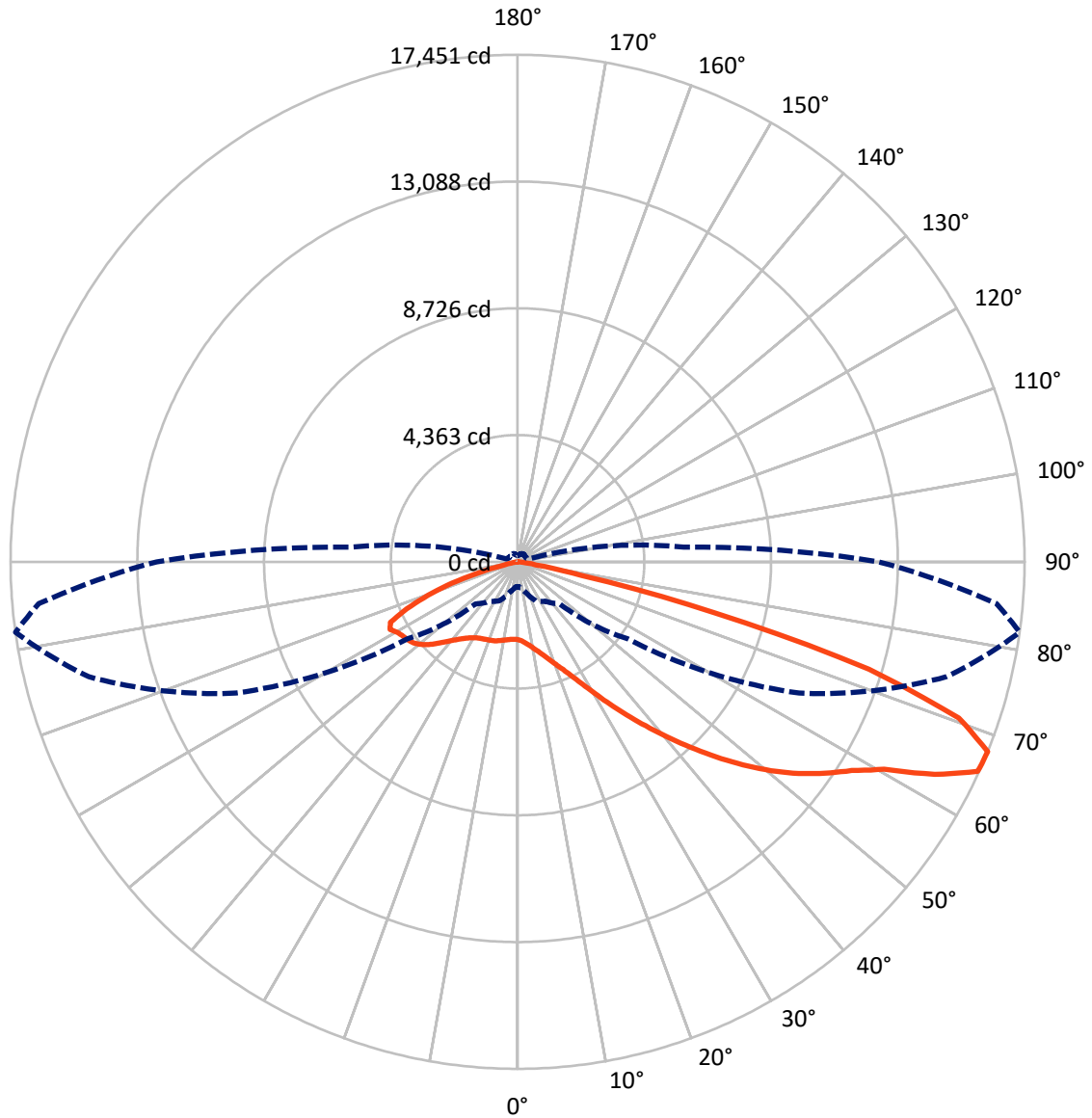
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	2929.4	0.0	2929.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	13242.6	0.0	13242.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	16172.0	0.0	16172.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.7	1.5
10°-20°	620.3	3.8
20°-30°	993.5	6.1
30°-40°	1756.8	10.9
40°-50°	3078.0	19.0
50°-60°	4105.2	25.4
60°-70°	3821.7	23.6
70°-80°	1466.8	9.1
80°-90°	91.1	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°	16172.0	100.0
0°-180°	16172.0	100.0

**Coefficient of Utilization**

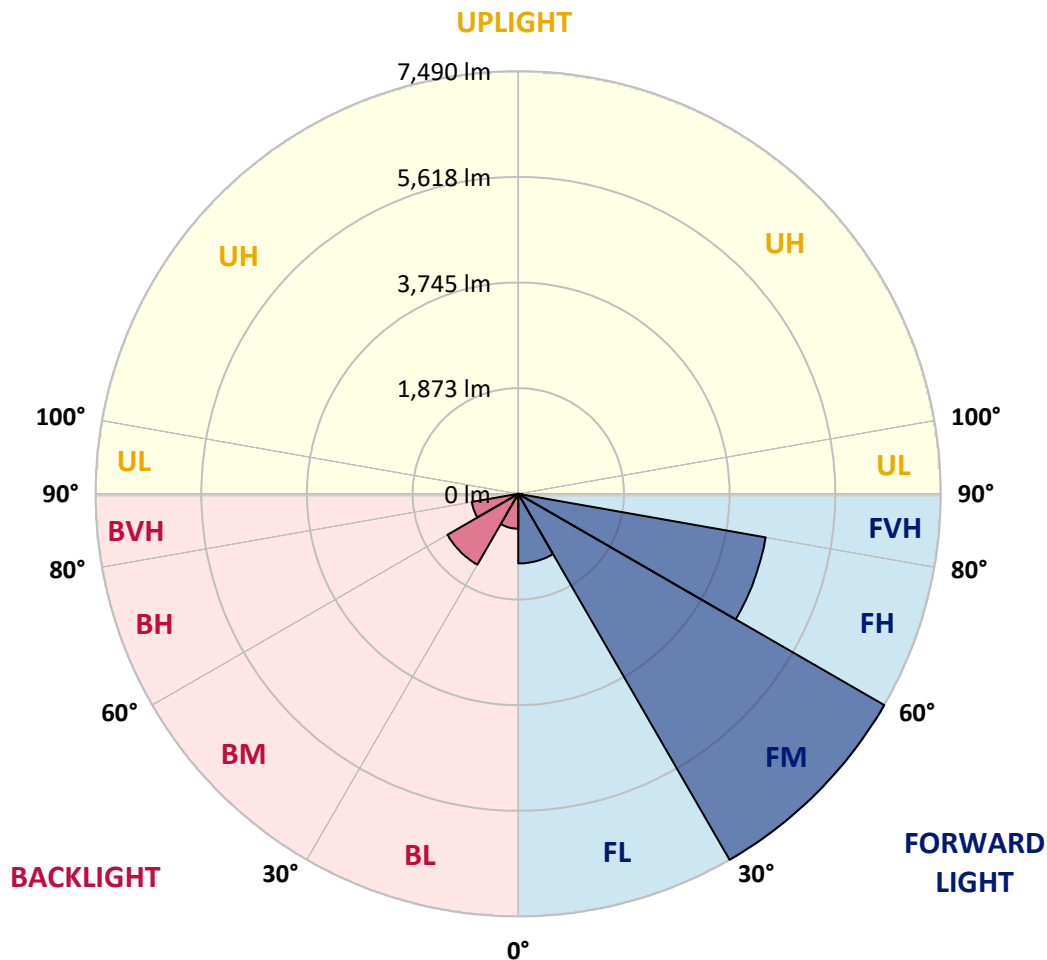


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1233.7	7.6			
FM (30°-60°)	7490.2	46.3			
FH (60°-80°)	4452.4	27.5			G2/5000
FVH (80°-90°)	66.2	0.4			G1/100
BL (0°-30°)	618.7	3.8	B2/1000		
BM (30°-60°)	1449.8	9.0	B2/2500		
BH (60°-80°)	836.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.9	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°	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2
2.5°	2831.7	2848.0	2838.7	2834.0	2825.9	2814.2	2804.9	2775.8	2745.5	2725.7
5°	2888.7	2905.0	2903.9	2908.5	2914.4	2917.8	2915.5	2882.9	2839.8	2806.1
7.5°	2839.8	2858.5	2873.6	2896.9	2937.6	2980.7	3001.7	2994.7	2950.4	2903.9
10°	2701.3	2721.1	2757.2	2811.9	2898.0	2991.2	3069.2	3105.3	3077.4	3026.1
12.5°	2447.4	2467.2	2538.3	2657.0	2801.4	2963.3	3112.3	3208.9	3215.9	3164.7
15°	2162.2	2182.0	2257.7	2406.7	2626.8	2886.4	3135.6	3318.4	3380.1	3335.8
17.5°	1985.2	2002.7	2059.7	2179.6	2409.0	2732.7	3127.4	3434.8	3575.7	3540.8
20°	1931.6	1946.8	1973.6	2057.4	2248.3	2573.2	3073.9	3544.3	3786.4	3766.6
22.5°	1988.7	2002.7	2010.8	2048.1	2168.0	2468.4	3006.3	3656.0	4031.0	4033.3
25°	2120.3	2134.2	2124.9	2148.2	2200.6	2435.8	2980.7	3787.6	4338.3	4364.0
27.5°	2336.8	2338.0	2315.9	2314.7	2322.9	2484.7	3007.5	3928.5	4726.1	4773.8
30°	2771.1	2753.7	2668.7	2576.7	2534.8	2631.4	3082.0	4095.0	5183.7	5268.7
32.5°	3440.6	3415.0	3259.0	3038.9	2817.7	2867.8	3215.9	4284.8	5682.0	5835.7
35°	4167.2	4160.2	3997.2	3670.0	3283.4	3204.3	3433.6	4534.0	6225.7	6470.3
37.5°	4842.5	4839.0	4745.9	4360.5	3890.1	3673.5	3783.0	4860.0	6807.9	7161.9
40°	5459.6	5470.1	5376.9	5032.3	4558.4	4275.5	4258.0	5262.8	7455.3	7915.2
42.5°	5992.9	6004.5	5910.2	5655.2	5218.6	4941.5	4841.3	5756.5	8087.5	8724.4
45°	6355.0	6427.2	6413.2	6209.4	5896.2	5608.6	5542.3	6375.9	8808.3	9582.5
47.5°	6457.4	6523.8	6628.6	6656.5	6465.6	6182.7	6261.8	7122.3	9537.1	10441.8
50°	6204.8	6266.5	6484.2	6774.1	6906.9	6819.6	6961.6	7922.2	10283.5	11298.8
52.5°	5706.4	5769.3	6044.1	6502.9	7044.3	7319.1	7663.7	8710.4	11006.5	12110.3
55°	4985.7	5052.1	5404.9	5924.2	6782.3	7525.1	8249.4	9497.5	11669.0	12840.4
57.5°	4005.3	4054.2	4421.0	5147.6	6123.3	7320.2	8681.3	10356.8	12293.1	13557.6
60°	2610.5	2653.5	3079.7	3890.1	5031.1	6635.6	8767.5	11315.1	13122.1	14490.2
62.5°	1736.0	1765.1	2017.8	2612.8	3543.1	5321.0	8263.3	12080.1	14337.7	16113.3
65°	1191.1	1220.2	1472.9	1887.4	2289.1	3519.8	6813.7	11978.8	15439.2	17402.3
67.5°	850.0	874.4	1088.7	1479.9	1656.9	2044.6	4618.9	10684.0	15280.8	17451.2
70°	609.0	622.9	799.9	1152.7	1316.9	1228.4	2568.5	8171.4	13379.5	16114.5
72.5°	426.1	430.8	555.4	877.9	1060.7	896.5	1222.6	5448.0	10119.3	12648.3
75°	288.8	294.6	373.8	643.9	851.1	684.6	647.4	2921.3	5940.5	7001.2
77.5°	177.0	179.3	241.0	440.1	636.9	521.6	416.8	1237.7	2298.4	2256.5
80°	100.1	100.1	153.7	273.6	434.3	336.5	292.3	526.3	727.7	639.2
82.5°	55.9	57.1	111.8	170.0	287.6	199.1	160.7	243.3	314.4	278.3
85°	23.3	25.6	68.7	80.3	137.4	99.0	65.2	102.5	116.4	103.6
87.5°	2.3	3.5	21.0	15.1	16.3	19.8	9.3	19.8	16.3	16.3
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°
2679.2	0°	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2	2679.2
2718.7	2.5°	2696.6	2679.2	2634.9	2583.7	2516.1	2483.5	2439.3	2409.0	2383.4	2385.7
2786.3	5°	2749.0	2704.8	2605.8	2482.4	2328.7	2219.2	2102.8	2022.5	1957.3	1943.3
2879.4	7.5°	2821.2	2751.3	2577.9	2355.5	2095.8	1899.0	1723.2	1610.3	1529.9	1504.3
2992.4	10°	2914.4	2813.1	2541.8	2196.0	1822.2	1571.9	1383.2	1294.7	1240.0	1221.4
3125.1	12.5°	3022.6	2884.1	2494.0	2001.5	1540.4	1299.4	1179.5	1135.2	1117.8	1111.9
3288.1	15°	3158.9	2972.6	2421.8	1771.0	1301.7	1132.9	1081.7	1075.9	1078.2	1075.9
3483.7	17.5°	3320.7	3069.2	2304.2	1533.4	1141.1	1047.9	1029.3	1033.9	1039.8	1038.6
3702.6	20°	3497.7	3164.7	2154.0	1322.7	1031.6	987.4	976.9	981.5	986.2	983.9
3955.3	22.5°	3699.1	3267.1	1987.5	1158.5	958.3	931.5	919.8	921.0	921.0	916.3
4275.5	25°	3940.1	3380.1	1812.9	1042.1	902.4	881.4	867.4	862.8	855.8	841.8
4664.4	27.5°	4227.7	3500.0	1645.2	960.6	858.1	838.3	822.0	810.4	792.9	769.6
5131.3	30°	4551.4	3645.6	1503.2	909.4	823.2	803.4	784.8	767.3	741.7	712.6
5668.0	32.5°	4932.2	3801.6	1399.5	875.6	791.8	770.8	748.7	727.7	699.8	670.7
6271.2	35°	5386.3	3990.2	1339.0	852.3	767.3	739.4	714.9	691.6	670.7	645.0
6926.7	37.5°	5878.8	4190.5	1320.4	840.7	751.0	707.9	680.0	663.7	661.3	646.2
7635.8	40°	6417.9	4428.0	1334.3	833.7	733.5	677.6	647.4	643.9	649.7	622.9
8393.7	42.5°	6988.4	4709.8	1357.6	825.5	709.1	647.4	618.3	618.3	613.6	576.3
9194.8	45°	7605.5	5034.6	1380.9	805.7	680.0	617.1	595.0	586.8	567.0	530.9
10000.5	47.5°	8227.2	5365.3	1398.4	769.6	645.0	591.5	571.7	553.1	524.0	491.4
10791.1	50°	8817.6	5662.2	1379.7	716.1	605.5	567.0	546.1	520.5	489.0	466.9
11539.8	52.5°	9345.0	5919.5	1300.6	653.2	563.5	541.4	522.8	496.0	470.4	447.1
12215.1	55°	9803.8	6127.9	1160.8	593.8	526.3	519.3	500.7	466.9	432.0	412.2
12884.6	57.5°	10243.9	6286.3	986.2	544.9	492.5	494.8	466.9	436.6	404.0	383.1
13787.0	60°	10829.6	6498.2	809.2	499.5	456.4	463.4	433.1	411.0	370.3	343.5
15334.4	62.5°	11765.7	6827.7	642.7	443.6	414.5	416.8	404.0	377.2	328.3	296.9
16481.3	65°	12508.5	6706.6	506.5	383.1	366.8	370.3	370.3	341.2	288.8	252.7
16543.0	67.5°	12424.7	5742.5	404.0	323.7	321.4	323.7	331.8	307.4	256.2	227.0
15283.2	70°	11445.5	4567.7	323.7	269.0	279.4	273.6	296.9	280.6	230.5	201.4
11848.4	72.5°	9339.2	3290.4	246.8	222.4	214.2	223.6	267.8	252.7	192.1	159.5
6275.8	75°	5457.3	1755.8	184.0	175.8	154.9	186.3	237.5	215.4	146.7	117.6
1923.5	77.5°	1776.8	612.4	135.1	129.2	115.3	150.2	202.6	181.6	119.9	93.1
563.5	80°	476.2	185.1	92.0	85.0	74.5	111.8	160.7	144.4	86.2	60.5
242.2	82.5°	191.0	78.0	53.6	47.7	40.8	76.8	126.9	116.4	64.0	38.4
75.7	85°	61.7	25.6	19.8	15.1	18.6	47.7	75.7	79.2	45.4	19.8
11.6	87.5°	8.2	3.5	3.5	4.7	3.5	8.2	23.3	22.1	12.8	2.3
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°
2679.2
2362.5
1911.9
1478.7
1207.4
1108.5
1074.7
1036.3
982.7
914.0
839.5
767.3
710.2
671.8
642.7
645.0
624.1
576.3
529.8
490.2
463.4
444.8
409.8
380.7
340.0
294.6
249.2
222.4
197.9
156.0
114.1
89.7
59.4
38.4
15.1
0.0
0.0

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