

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: P853091

Luminaire Tested: **GLAN-SB8C-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51393 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

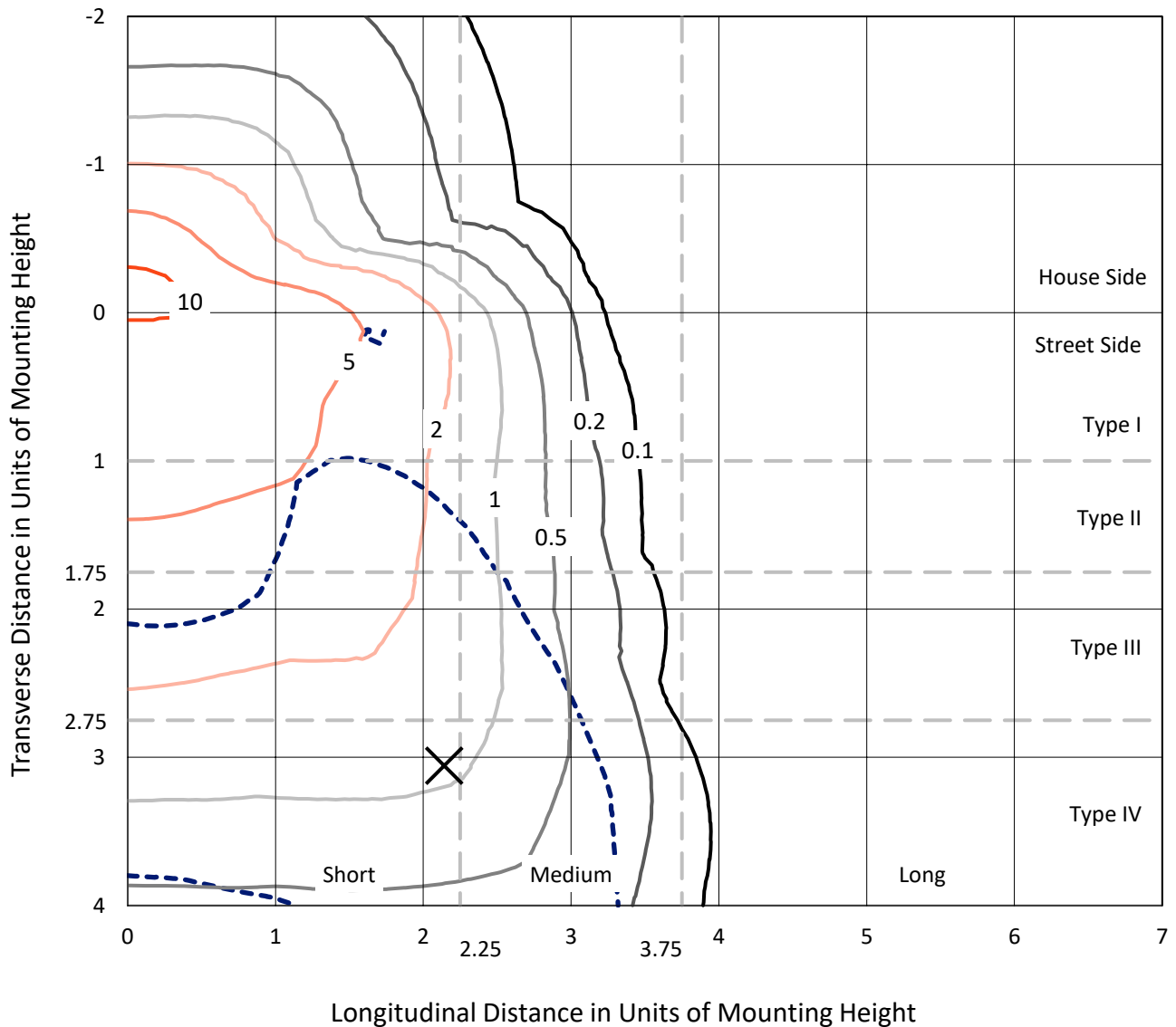
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

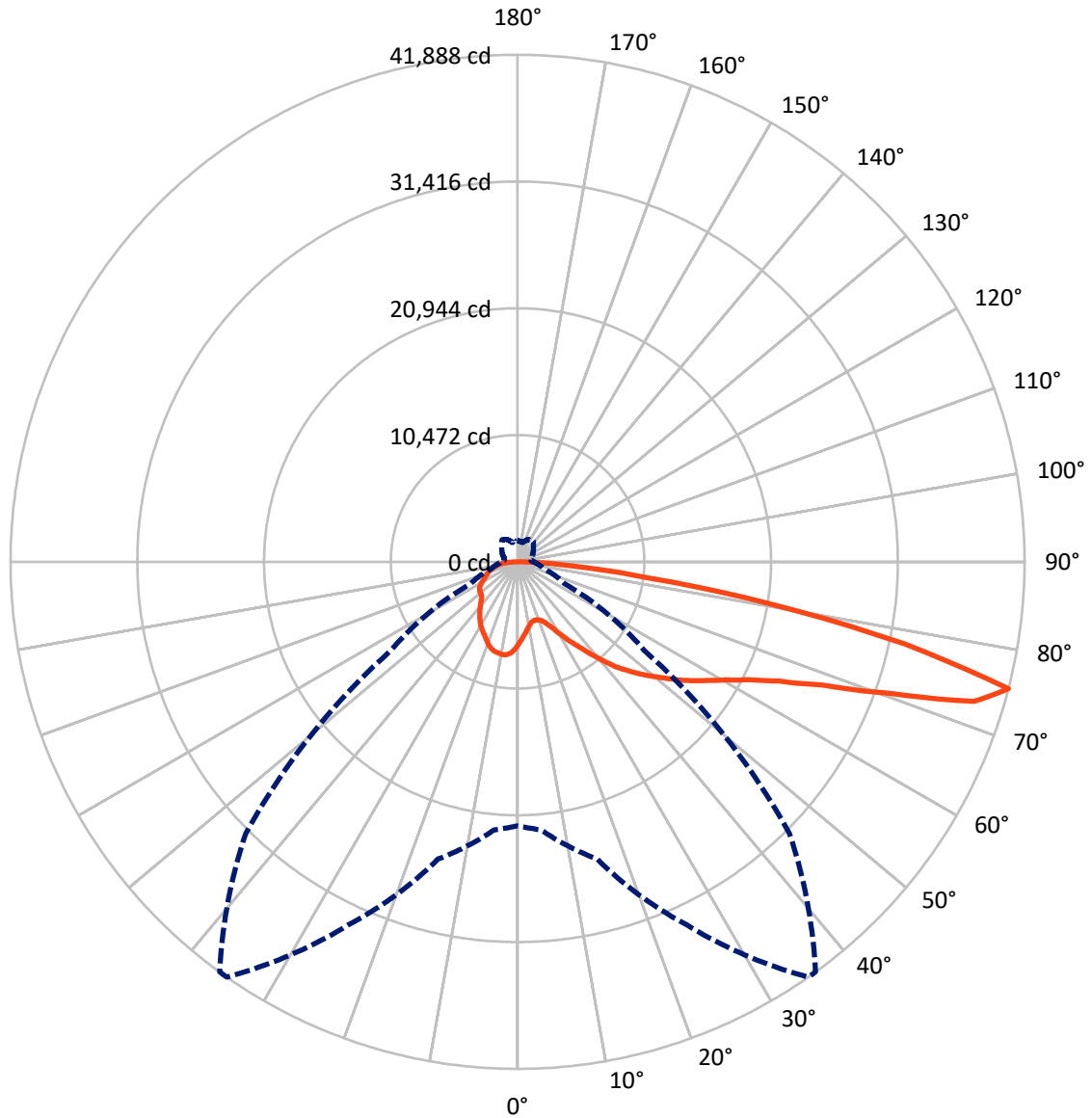
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12230.2	0.0	12230.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	39162.8	0.0	39162.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	51393.0	0.0	51393.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	648.4	1.3
10°-20°	1870.3	3.6
20°-30°	3140.7	6.1
30°-40°	4881.1	9.5
40°-50°	7244.9	14.1
50°-60°	10002.0	19.5
60°-70°	12134.7	23.6
70°-80°	10028.4	19.5
80°-90°	1442.4	2.8
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°	51393.0	100.0
0°-180°	51393.0	100.0

**Coefficient of Utilization**

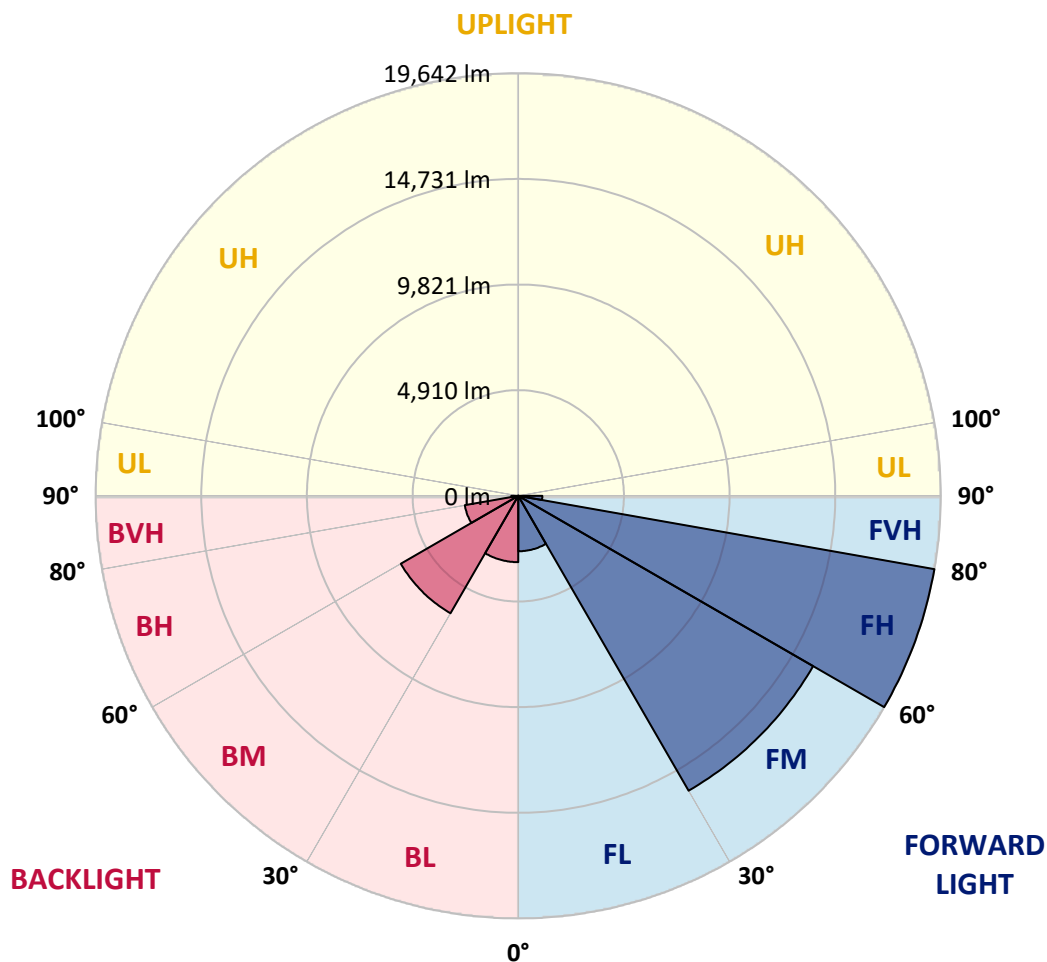


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2577.3	5.0			
FM (30°-60°)	15826.3	30.8			
FH (60°-80°)	19641.6	38.2			G5
FVH (80°-90°)	1117.6	2.2			G5
BL (0°-30°)	3082.2	6.0	B4/5000		
BM (30°-60°)	6301.8	12.3	B4/8500		
BH (60°-80°)	2521.5	4.9	B4/5000		G4/5000
BVH (80°-90°)	324.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5
2.5°	6315.0	6353.9	6370.6	6362.3	6403.9	6398.4	6456.7	6529.0	6629.0	6726.2
5°	5828.8	5870.5	5906.6	5940.0	6020.5	6045.5	6137.2	6276.1	6459.5	6645.7
7.5°	5376.0	5412.1	5467.7	5528.8	5664.9	5689.9	5842.7	6059.4	6315.0	6587.3
10°	5006.5	5042.6	5100.9	5170.4	5339.9	5370.4	5564.9	5853.8	6187.2	6531.7
12.5°	4848.1	4859.2	4892.6	4962.0	5109.3	5128.7	5342.6	5673.3	6062.2	6490.1
15°	4839.8	4862.0	4864.8	4900.9	5023.1	5031.5	5228.7	5556.6	5984.4	6481.7
17.5°	4923.1	4939.8	4914.8	4937.0	5039.8	5053.7	5209.3	5501.0	5959.4	6517.8
20°	5145.4	5159.3	5084.3	5053.7	5128.7	5139.8	5292.6	5537.1	5984.4	6592.9
22.5°	5617.7	5626.0	5442.7	5317.6	5323.2	5328.7	5462.1	5684.4	6081.7	6729.0
25°	6353.9	6348.4	6056.7	5814.9	5676.0	5645.5	5734.4	5923.3	6245.6	6909.6
27.5°	7215.2	7173.5	6881.8	6520.6	6217.8	6173.3	6153.9	6234.5	6479.0	7148.5
30°	8187.6	8148.7	7834.8	7362.4	6942.9	6870.7	6687.3	6645.7	6826.2	7473.6
32.5°	9254.5	9229.5	8854.4	8282.1	7720.8	7637.5	7329.1	7218.0	7359.7	7965.3
35°	10149.1	10126.8	9815.7	9226.7	8540.4	8437.6	8123.7	7998.7	8070.9	8596.0
37.5°	10957.5	10946.4	10679.7	10215.7	9507.3	9382.3	9029.4	8987.7	8973.9	9426.7
40°	11707.7	11679.9	11402.1	11157.6	10632.5	10518.6	10207.4	10171.3	10065.7	10449.1
42.5°	12538.4	12466.2	12063.3	11949.4	11807.7	11713.2	11527.1	11532.6	11299.3	11602.1
45°	13216.3	13174.6	12760.6	12694.0	12846.8	12807.9	12969.0	13010.7	12557.8	12810.7
47.5°	13944.2	13905.3	13555.2	13508.0	13922.0	13933.1	14502.6	14516.5	13785.8	14066.4
50°	14841.6	14786.0	14438.7	14497.1	14961.0	15002.7	16044.6	15950.1	14916.6	15341.7
52.5°	15433.4	15466.7	15391.7	15486.1	16119.6	16158.5	17561.5	17319.8	16036.2	16600.2
55°	15869.5	15936.2	16169.6	16386.3	17342.0	17380.9	18992.3	18622.8	16964.2	17767.1
57.5°	16430.8	16336.3	16772.5	17194.8	18503.4	18606.2	20384.3	19878.6	17786.6	18772.9
60°	17236.5	17169.8	17508.7	18133.8	19803.6	19967.5	21856.7	21009.4	18389.4	19570.2
62.5°	18870.1	18703.4	18756.2	19309.1	21442.8	21659.5	23518.2	21995.7	18689.5	19881.4
65°	21312.2	21026.0	20759.3	21142.7	23751.5	23965.5	25393.5	22770.8	18578.4	19278.5
67.5°	24387.8	24104.4	23776.5	24137.7	27152.1	27321.6	27707.8	23207.0	17703.2	16955.9
70°	26924.3	26818.8	27210.5	28696.9	32583.7	32589.2	30675.0	22845.8	15305.6	12021.6
72.5°	26588.2	26524.3	28588.5	33183.8	39429.4	39282.1	33483.9	20112.0	10310.2	5423.2
75°	21812.3	22226.3	25424.1	33103.2	41888.2	41868.7	31764.1	12785.7	4264.7	2247.6
77.5°	11696.6	12352.2	16505.8	24440.5	32700.4	33192.1	22331.8	4473.0	1830.9	1439.2
80°	3814.6	4386.9	6579.0	12443.9	21248.3	21156.6	9571.2	1755.9	1253.0	1019.6
82.5°	1619.7	1686.4	2939.4	5876.1	10904.8	10735.3	3047.8	1008.5	880.7	697.3
85°	633.4	708.5	1297.5	2717.2	4723.1	4620.3	1100.2	500.1	564.0	455.6
87.5°	208.4	252.8	464.0	930.7	1469.7	1416.9	269.5	172.3	244.5	208.4
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°
6848.5	0°	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5	6848.5
6867.9	2.5°	6906.8	6951.3	7004.0	7081.8	7148.5	7204.1	7262.4	7298.5	7312.4	7354.1
6879.0	5°	6956.8	7054.1	7184.6	7312.4	7437.5	7512.5	7579.2	7612.5	7643.1	7665.3
6909.6	7.5°	7040.2	7165.2	7370.8	7537.5	7643.1	7704.2	7748.6	7737.5	7748.6	7754.2
6942.9	10°	7112.4	7287.4	7531.9	7690.3	7770.9	7773.6	7762.5	7723.6	7704.2	7707.0
6992.9	12.5°	7198.5	7393.0	7656.9	7790.3	7812.5	7751.4	7704.2	7637.5	7612.5	7601.4
7067.9	15°	7315.2	7537.5	7793.1	7843.1	7787.5	7709.7	7629.2	7520.8	7465.2	7420.8
7195.8	17.5°	7456.9	7701.4	7898.7	7862.5	7743.1	7615.3	7484.7	7320.8	7206.9	7159.6
7370.8	20°	7654.2	7873.7	7979.2	7820.9	7640.3	7445.8	7223.5	7023.5	6917.9	6870.7
7593.0	22.5°	7893.1	8104.2	8057.0	7748.6	7493.0	7181.9	6904.0	6756.8	6704.0	6670.7
7879.2	25°	8179.3	8359.9	8112.6	7643.1	7251.3	6831.8	6617.9	6570.6	6545.6	6520.6
8229.3	27.5°	8551.6	8648.8	8154.3	7487.5	6873.5	6459.5	6381.7	6390.0	6381.7	6340.0
8715.5	30°	9043.3	9023.9	8193.2	7234.6	6440.1	6123.3	6128.9	6165.0	6170.6	6142.8
9393.4	32.5°	9690.6	9493.4	8212.6	6906.8	6026.1	5828.8	5834.4	5873.3	5901.1	5853.8
10279.6	35°	10474.1	10040.7	8182.0	6495.6	5706.6	5548.2	5506.6	5517.7	5526.0	5481.6
11354.8	37.5°	11388.2	10654.7	8045.9	6040.0	5442.7	5273.2	5184.3	5109.3	5064.8	5023.1
12571.7	40°	12391.1	11324.3	7795.9	5595.5	5148.2	4981.5	4848.1	4706.4	4556.4	4500.8
13860.8	42.5°	13441.3	12013.3	7493.0	5170.4	4809.2	4673.1	4531.4	4325.8	4100.7	3986.8
15200.0	45°	14530.4	12719.0	7195.8	4750.9	4461.9	4403.6	4239.7	3992.4	3747.9	3603.4
16541.9	47.5°	15597.3	13385.8	6759.6	4328.6	4136.9	4200.8	4073.0	3845.1	3572.9	3345.1
17872.7	50°	16616.9	14010.9	6045.5	3900.7	3872.9	4139.6	4017.4	3689.6	3378.4	3086.7
19178.5	52.5°	17628.2	14516.5	5131.5	3511.7	3731.2	4123.0	3945.2	3584.0	3203.4	2897.7
20406.5	55°	18486.7	14777.7	4250.8	3178.4	3525.6	3981.3	3859.0	3459.0	2956.1	2631.0
21248.3	57.5°	18975.7	14566.5	3517.3	2850.5	3242.3	3747.9	3711.8	3192.2	2661.6	2411.5
21412.2	60°	18764.5	13710.8	2917.2	2564.4	2972.8	3495.1	3456.2	2928.3	2436.6	2200.4
20534.3	62.5°	17600.4	12080.0	2442.1	2314.3	2728.3	3236.7	3200.6	2725.5	2264.3	2036.5
18203.3	65°	15255.5	9826.8	2072.6	2105.9	2481.0	2925.5	2978.3	2556.0	2128.2	1905.9
14083.1	67.5°	11635.4	7118.0	1783.7	1925.3	2239.3	2619.9	2772.7	2433.8	2014.3	1803.1
8148.7	70°	6631.8	4042.4	1539.2	1750.3	2025.4	2336.5	2614.4	2336.5	1892.0	1717.0
3053.3	72.5°	2514.3	1855.9	1330.8	1575.3	1819.8	2097.6	2439.3	2183.7	1750.3	1619.7
1578.1	75°	1341.9	1130.8	1119.6	1369.7	1583.6	1864.2	2219.8	2033.7	1644.7	1711.4
1091.9	77.5°	914.1	800.1	936.3	1172.4	1325.2	1605.8	1986.5	1805.9	1425.3	1419.7
755.7	80°	633.4	566.8	761.2	944.6	1025.2	1350.2	1733.6	1550.3	1161.3	1083.5
466.8	82.5°	380.6	369.5	569.5	705.7	725.1	1041.9	1436.4	1300.2	950.2	827.9
277.8	85°	208.4	219.5	364.0	414.0	422.3	727.9	1125.2	1005.7	730.7	614.0
100.0	87.5°	58.3	75.0	133.4	163.9	202.8	377.8	669.6	597.3	366.7	255.6
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



<u>180°</u>
6848.5
7351.3
7670.8
7762.5
7712.5
7595.8
7434.7
7162.4
6865.1
6676.2
6520.6
6348.4
6156.7
5876.1
5512.1
5050.9
4525.8
4000.7
3592.3
3320.0
3061.7
2864.4
2603.3
2378.2
2167.1
2000.4
1869.8
1769.8
1694.8
1597.5
1767.0
1308.6
1036.3
833.5
619.6
255.6
0.0

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