

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: P850736

Luminaire Tested: **GLAN-SB8B-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38739 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

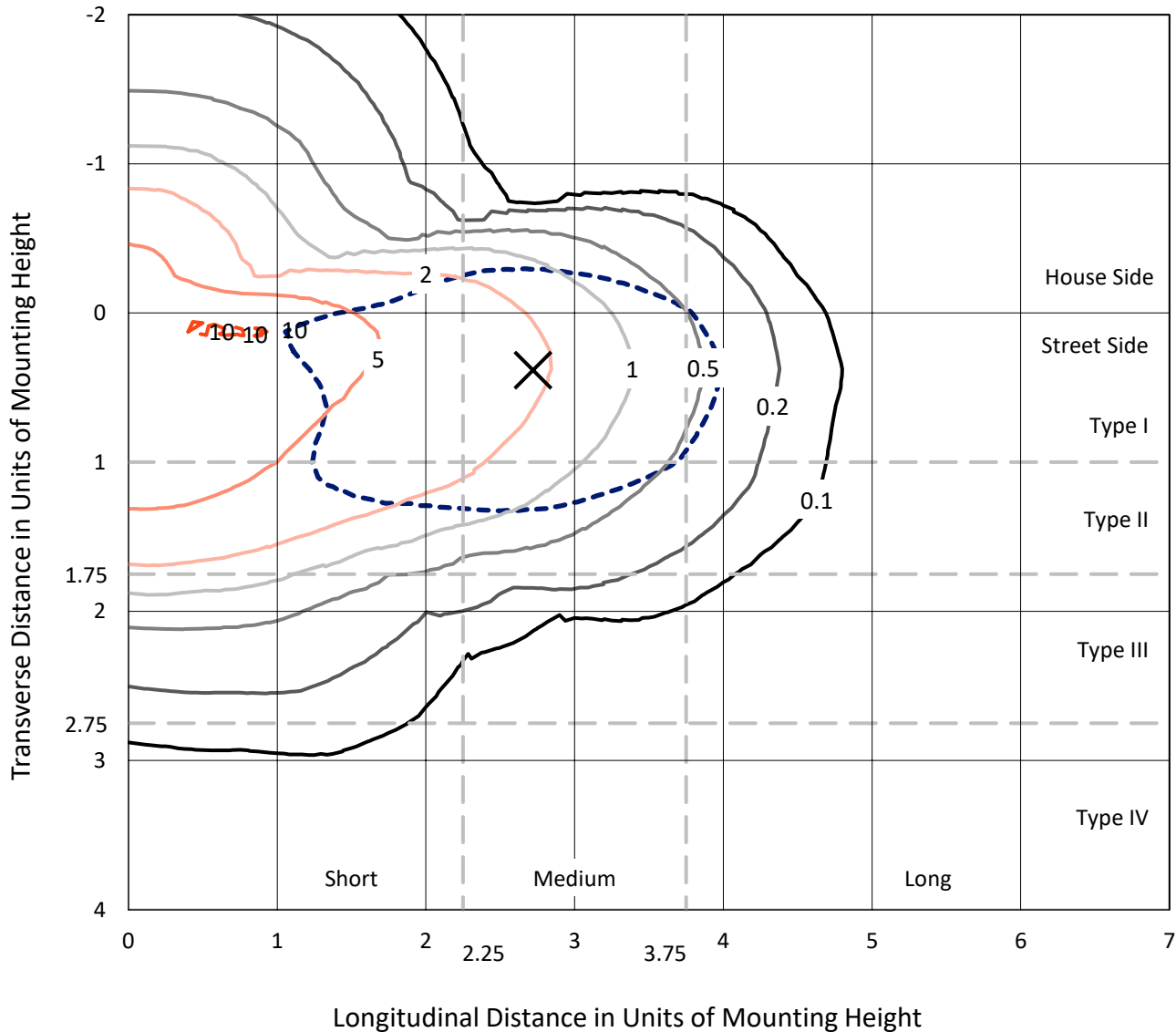
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

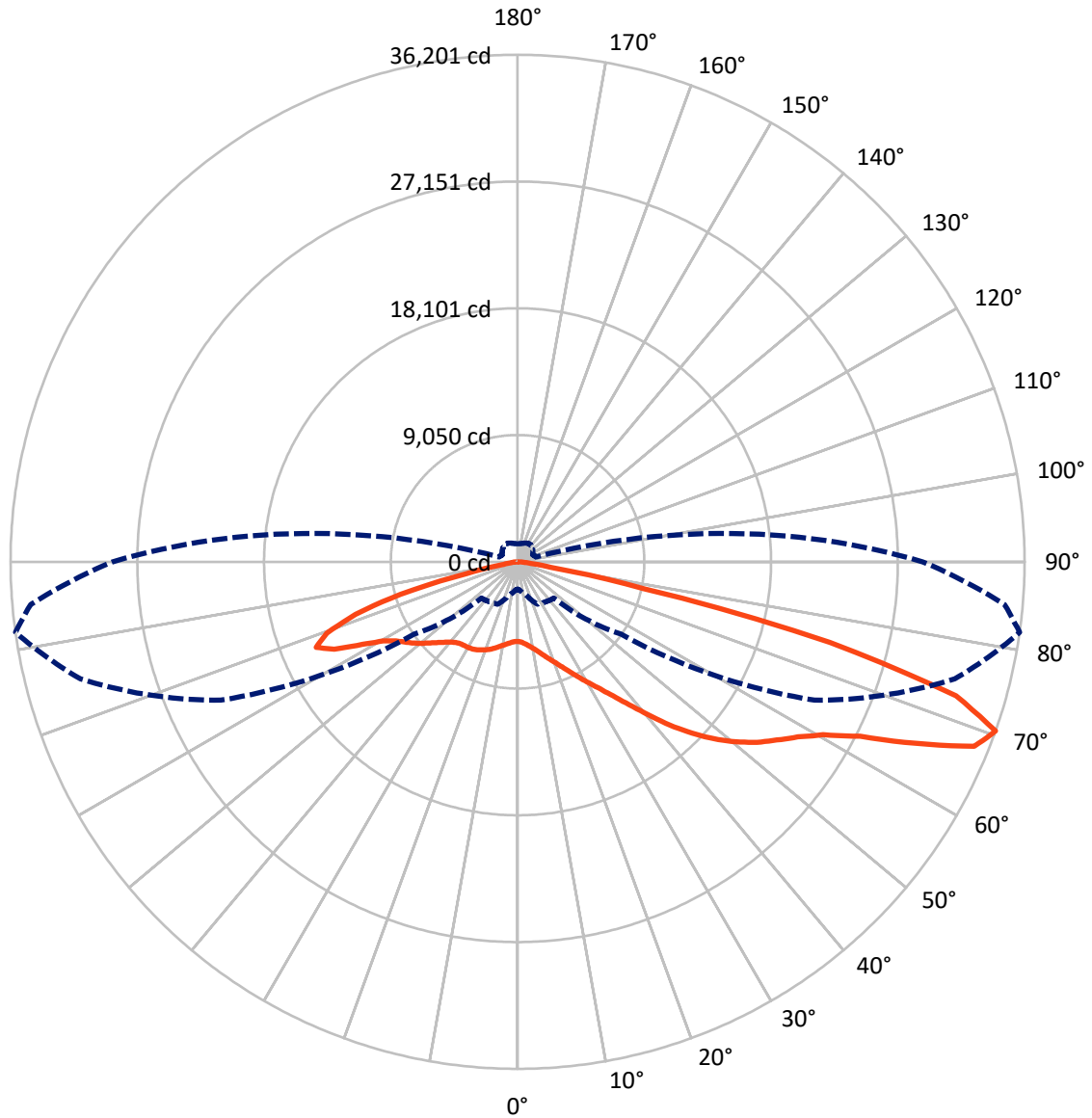
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9550.1	0.0	9550.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	29188.9	0.0	29188.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	38739.0	0.0	38739.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	536.3	1.4
10°-20°	1540.7	4.0
20°-30°	2577.4	6.7
30°-40°	4026.6	10.4
40°-50°	6412.8	16.6
50°-60°	8924.3	23.0
60°-70°	9335.2	24.1
70°-80°	4879.1	12.6
80°-90°	506.6	1.3
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°	38739.0	100.0
0°-180°	38739.0	100.0

**Coefficient of Utilization**

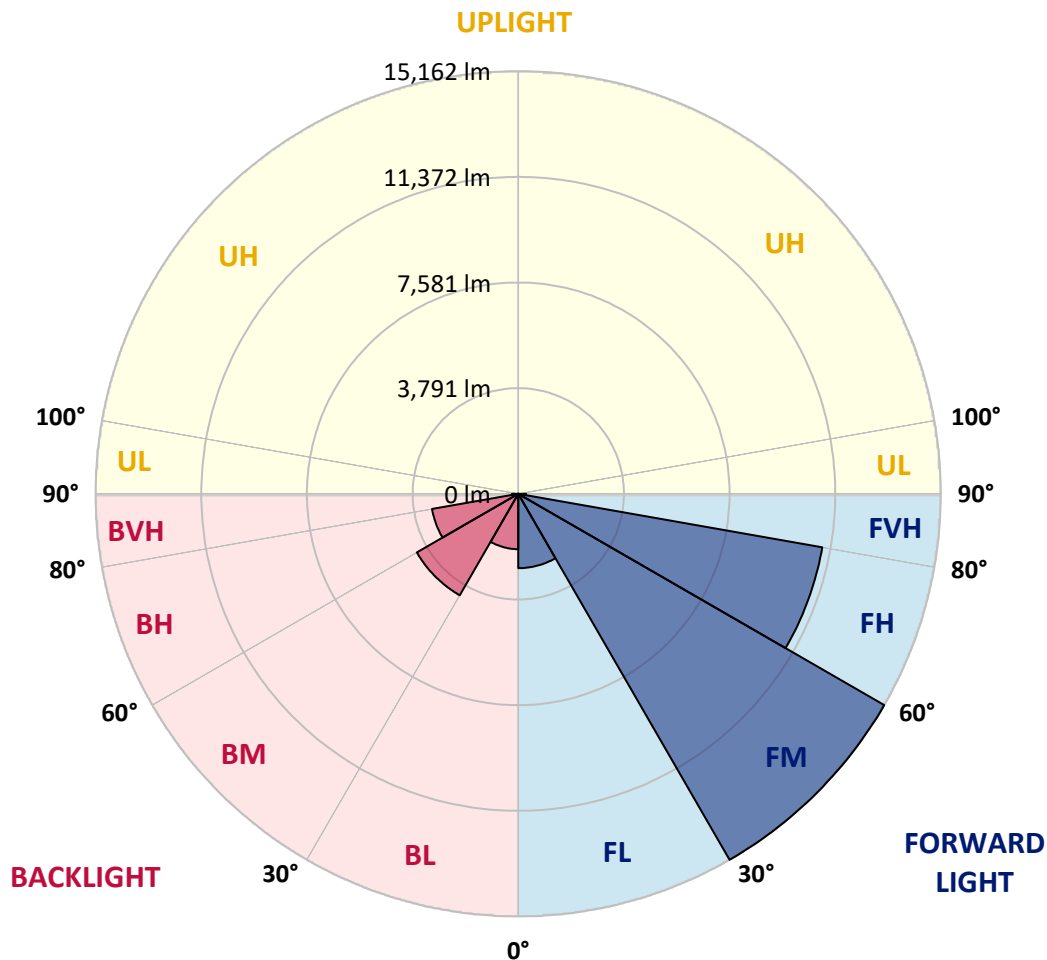


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2667.6	6.9			
FM (30°-60°)	15162.1	39.1			
FH (60°-80°)	11075.6	28.6			G4/12000
FVH (80°-90°)	283.6	0.7			G3/500
BL (0°-30°)	1986.8	5.1	B3/2500		
BM (30°-60°)	4201.7	10.8	B3/5000		
BH (60°-80°)	3138.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	223.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6
2.5°	5815.3	5848.2	5837.9	5827.6	5827.6	5813.2	5811.2	5790.6	5774.2	5747.5
5°	5889.3	5924.2	5920.1	5928.3	5955.1	5961.2	5967.4	5955.1	5922.2	5889.3
7.5°	5823.5	5862.6	5874.9	5924.2	6006.5	6080.5	6136.0	6158.6	6127.7	6080.5
10°	5601.5	5644.7	5687.8	5805.0	5951.0	6125.7	6273.7	6362.1	6355.9	6310.7
12.5°	5151.3	5196.6	5289.1	5517.2	5784.5	6092.8	6368.2	6553.3	6617.0	6584.1
15°	4791.6	4830.7	4900.5	5134.9	5482.3	5951.0	6403.2	6762.9	6925.3	6906.8
17.5°	4781.3	4797.8	4840.9	4951.9	5219.2	5729.0	6366.2	6968.5	7278.9	7276.8
20°	4962.2	4968.4	4993.1	5015.7	5167.8	5560.4	6271.6	7139.1	7675.6	7675.6
22.5°	5213.0	5208.9	5233.6	5213.0	5287.0	5546.0	6212.0	7289.2	8117.6	8150.5
25°	5589.2	5568.6	5562.5	5515.2	5529.6	5679.6	6277.8	7459.8	8641.7	8709.6
27.5°	6090.7	6057.9	6035.2	5926.3	5889.3	5955.1	6479.3	7665.3	9225.5	9342.7
30°	6744.4	6684.8	6651.9	6462.8	6329.2	6339.5	6783.5	7938.7	9836.0	10025.2
32.5°	7636.6	7544.1	7455.7	7145.3	6900.6	6820.5	7176.1	8317.0	10497.9	10800.1
35°	8635.6	8561.6	8467.0	7988.1	7611.9	7426.9	7706.4	8845.2	11272.9	11751.9
37.5°	9597.6	9533.9	9579.1	8933.6	8448.5	8179.2	8401.2	9554.4	12228.8	12935.9
40°	10592.5	10543.2	10549.3	9932.7	9367.4	9065.2	9244.0	10444.5	13324.4	14344.0
42.5°	11673.8	11636.7	11513.4	10966.6	10331.4	10049.8	10214.3	11472.3	14500.2	15947.3
45°	12884.5	12861.9	12746.8	12119.8	11392.1	11075.6	11297.6	12607.0	15682.2	17456.2
47.5°	13930.8	13949.3	13934.9	13406.6	12652.2	12187.7	12452.8	13791.0	16781.9	18874.5
50°	14434.4	14531.0	14672.9	14508.4	14039.7	13567.0	13618.3	14933.9	17830.3	20204.5
52.5°	14171.3	14354.3	14740.7	15003.8	15184.7	15086.0	14948.3	16068.6	18817.0	21405.0
55°	13190.8	13447.7	14089.1	14724.3	15647.2	16364.6	16545.5	17326.6	19779.0	22461.5
57.5°	11404.5	11821.8	12397.3	13682.1	15236.1	16983.4	18407.9	19071.9	20798.6	23590.1
60°	8341.6	8900.7	9616.1	11527.8	13797.2	16652.4	19992.8	21752.4	22247.8	25051.6
62.5°	5338.4	5683.7	6341.5	8142.2	10750.8	14956.5	20477.9	25103.0	24704.2	27448.4
65°	3654.9	3876.9	4479.2	5490.5	6950.0	11133.1	19178.7	27614.9	28605.7	31247.2
67.5°	2655.8	2824.4	3338.3	4224.3	4528.5	6588.2	14882.5	27499.8	32398.3	35161.0
70°	1936.4	2055.6	2487.3	3338.3	3484.2	3665.1	9015.9	23376.3	32316.1	36201.2
72.5°	1434.8	1517.0	1806.9	2590.1	2820.3	2474.9	4462.7	16989.5	27769.1	32743.6
75°	1038.1	1099.7	1313.5	1981.6	2257.0	1885.0	2226.2	9928.5	19369.9	23033.0
77.5°	793.5	840.7	980.5	1451.3	1806.9	1414.3	1381.4	4567.5	9184.4	9229.6
80°	637.2	668.1	744.1	1021.6	1385.5	1058.6	900.4	1843.9	2902.5	2456.4
82.5°	468.7	520.1	629.0	717.4	990.8	729.7	548.8	931.2	1103.9	949.7
85°	267.2	302.2	380.3	513.9	633.1	446.1	314.5	413.2	513.9	421.4
87.5°	94.6	123.3	133.6	201.4	275.5	185.0	121.3	119.2	168.6	125.4
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°
5679.6	0°	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6	5679.6
5741.3	2.5°	5720.7	5710.5	5669.3	5613.8	5556.3	5500.8	5482.3	5443.2	5416.5	5402.1
5874.9	5°	5835.8	5803.0	5706.3	5583.0	5453.5	5313.7	5215.1	5124.6	5058.8	4997.2
6057.9	7.5°	6000.3	5942.7	5776.2	5560.4	5330.2	5097.9	4925.2	4793.7	4705.3	4647.7
6271.6	10°	6191.5	6103.1	5848.2	5525.5	5169.8	4836.8	4633.3	4520.3	4464.8	4433.9
6516.3	12.5°	6411.4	6286.0	5922.2	5445.3	4925.2	4544.9	4405.2	4372.3	4374.3	4376.4
6824.6	15°	6682.8	6508.0	5981.8	5270.6	4606.6	4320.9	4296.2	4349.6	4405.2	4431.9
7174.0	17.5°	6989.0	6742.4	5992.1	4982.8	4294.1	4177.0	4255.1	4370.2	4454.5	4491.5
7564.6	20°	7317.9	6980.8	5918.1	4575.8	4037.2	4059.8	4199.6	4347.6	4440.1	4487.4
8010.7	22.5°	7694.1	7235.7	5741.3	4148.2	3827.5	3932.4	4096.8	4240.7	4337.3	4384.6
8534.8	25°	8123.7	7521.4	5463.8	3788.5	3646.6	3788.5	3952.9	4072.1	4150.3	4193.4
9120.7	27.5°	8600.6	7819.5	5093.8	3502.7	3488.4	3640.5	3776.1	3868.6	3909.8	3942.6
9743.5	30°	9079.6	8090.8	4645.7	3286.9	3350.6	3494.5	3591.1	3632.2	3644.6	3650.7
10438.3	32.5°	9597.6	8325.2	4174.9	3108.1	3219.1	3352.7	3410.2	3428.7	3371.2	3332.1
11281.1	35°	10224.6	8576.0	3714.5	2966.2	3089.6	3204.7	3223.2	3206.7	3138.9	3058.7
12337.7	37.5°	10999.5	8888.4	3346.5	2865.5	2968.3	3044.3	3021.7	3017.6	3023.8	2929.2
13608.1	40°	11949.2	9295.4	3077.2	2787.4	2869.6	2886.1	2822.3	2857.3	2888.1	2744.2
15001.8	42.5°	13003.7	9786.7	2906.6	2733.9	2787.4	2748.3	2649.7	2688.7	2684.6	2495.5
16401.6	45°	14078.8	10321.2	2847.0	2694.9	2711.3	2633.2	2524.3	2534.6	2448.2	2277.6
17743.9	47.5°	15147.7	10894.7	2884.0	2662.0	2616.8	2528.4	2444.1	2398.9	2271.4	2144.0
19030.7	50°	16196.1	11497.0	3019.7	2596.2	2487.3	2435.9	2374.2	2294.0	2158.4	2049.4
20247.7	52.5°	17168.4	12103.4	3171.8	2487.3	2324.9	2355.7	2316.7	2224.2	2090.5	1979.5
21398.8	55°	18089.3	12709.8	3231.4	2337.2	2172.8	2285.8	2263.2	2092.6	1932.3	1841.8
22603.4	57.5°	19092.4	13439.5	3165.6	2146.0	2049.4	2205.7	2119.3	1930.2	1837.7	1769.9
24171.8	60°	20482.0	14584.5	3023.8	1909.7	1932.3	2086.4	1938.4	1860.3	1759.6	1683.5
26523.4	62.5°	22790.4	16720.2	2795.6	1675.3	1794.5	1909.7	1852.1	1774.0	1671.2	1597.2
30544.2	65°	26202.7	19688.5	2366.0	1492.4	1640.4	1737.0	1759.6	1681.5	1574.6	1496.5
34067.5	67.5°	29080.6	21550.9	1790.4	1340.3	1482.1	1597.2	1660.9	1584.9	1471.8	1395.8
34891.7	70°	28922.3	20198.3	1367.0	1190.2	1342.3	1459.5	1541.7	1482.1	1360.8	1288.9
31693.2	72.5°	25688.8	16897.0	1105.9	1038.1	1200.5	1315.6	1414.3	1369.0	1245.7	1175.8
23218.0	75°	18872.5	11994.4	883.9	883.9	1023.7	1165.5	1274.5	1245.7	1132.6	1083.3
9747.7	77.5°	7955.2	5032.1	692.7	733.8	851.0	1001.1	1136.7	1147.0	1048.4	1110.0
2577.7	80°	2115.2	1387.5	528.3	577.6	668.1	826.4	988.7	984.6	877.7	820.2
957.9	82.5°	805.8	546.8	376.2	407.0	483.1	633.1	783.2	807.9	701.0	606.4
376.2	85°	310.4	234.3	232.3	244.6	281.6	419.3	592.0	612.6	528.3	448.1
104.8	87.5°	80.2	69.9	86.3	82.2	129.5	224.1	339.2	351.5	322.7	187.1
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>
5679.6
5418.6
5021.8
4660.0
4442.2
4380.5
4429.8
4499.7
4499.7
4396.9
4205.8
3955.0
3665.1
3344.5
3062.8
2935.4
2748.3
2493.4
2283.8
2144.0
2041.2
1981.6
1833.6
1763.7
1679.4
1597.2
1500.6
1397.8
1295.0
1175.8
1068.9
1007.2
762.6
606.4
462.5
267.2
0.0

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