

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: P849966

Luminaire Tested: **GLAN-SB7B-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849966  
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-SB7B-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38329 lumens  
Efficiency: N/A  
Efficacy: 149.3 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

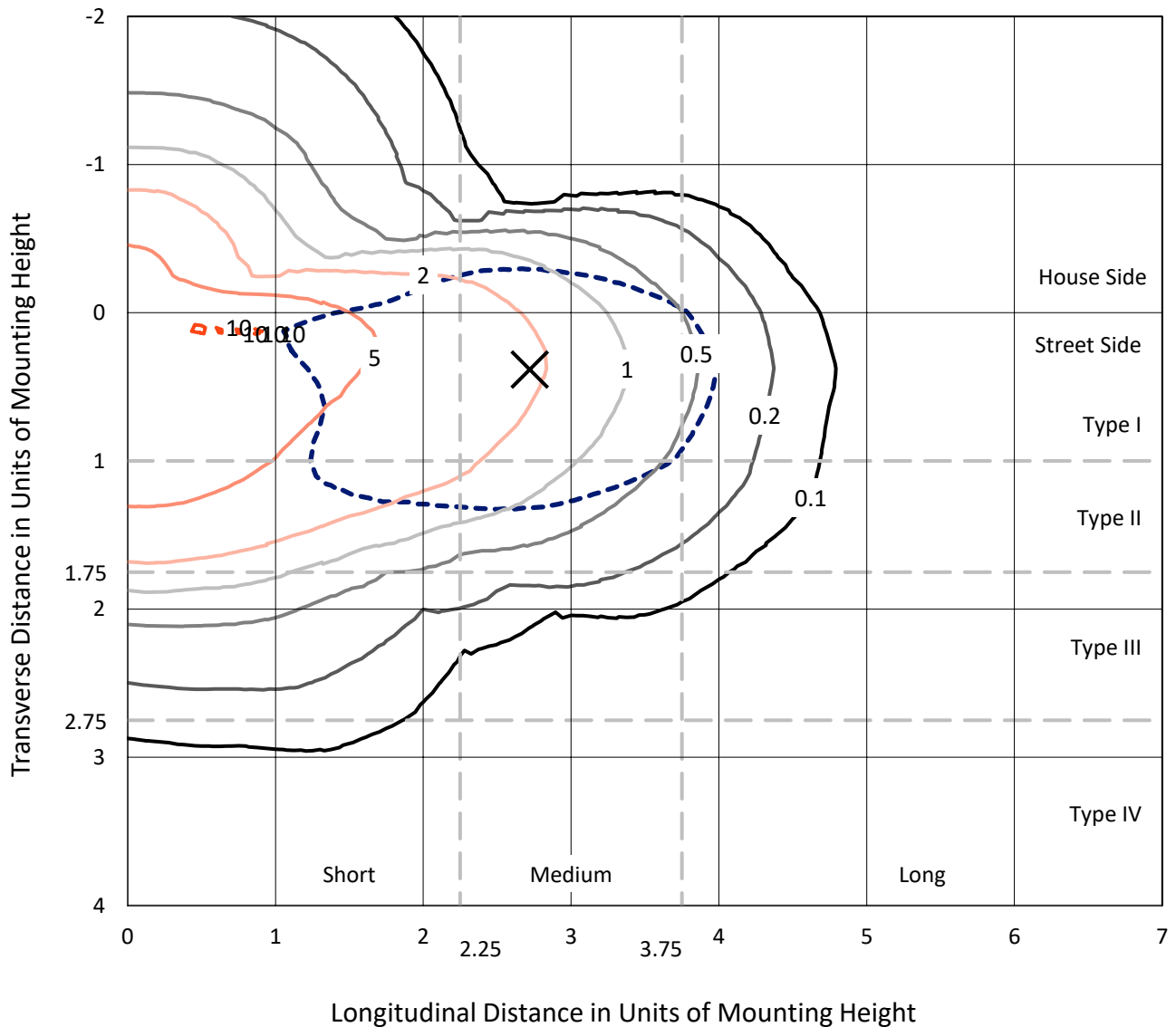
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

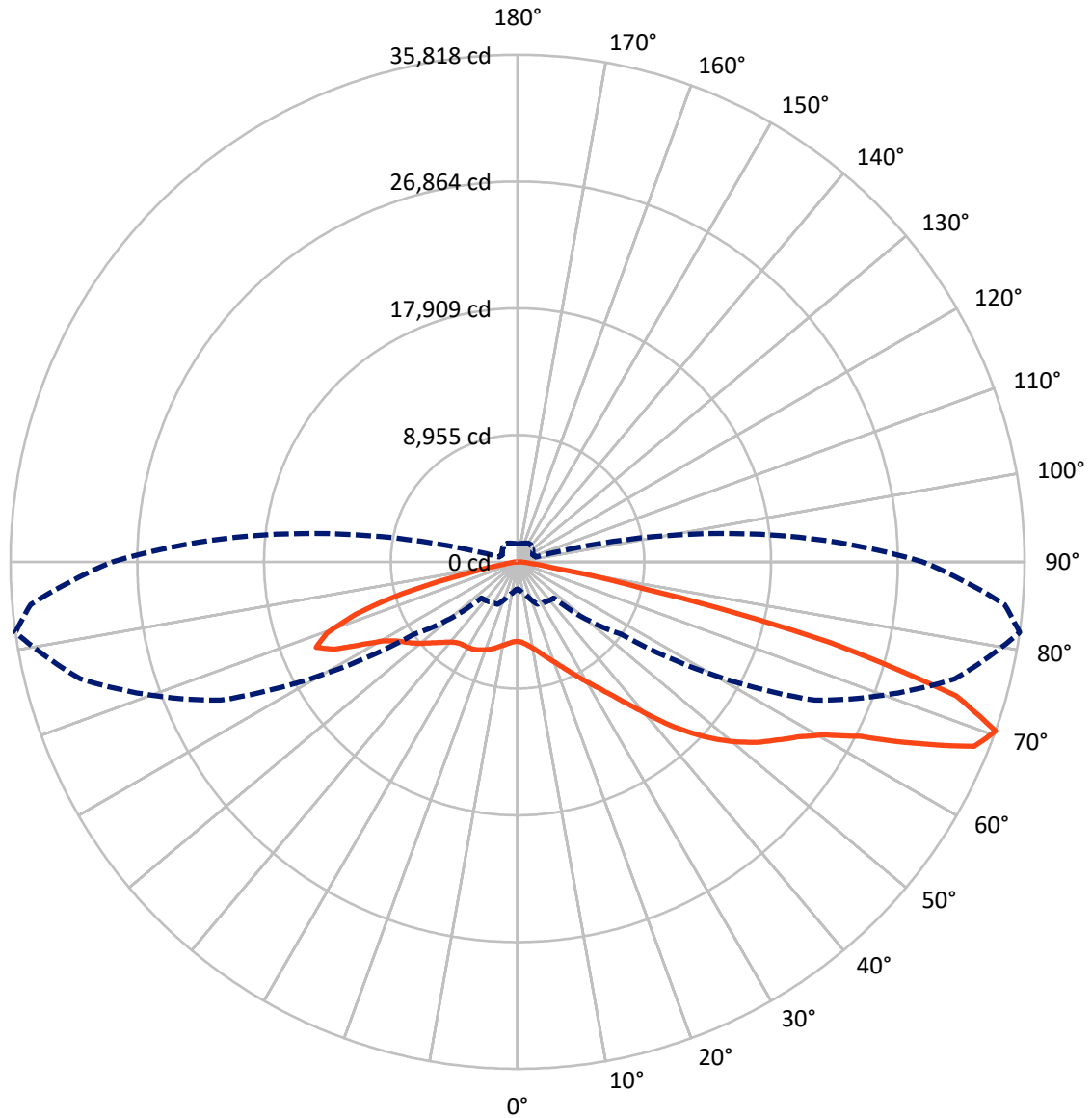
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	9449.0	0.0	9449.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	28880.0	0.0	28880.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	38329.0	0.0	38329.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.6	1.4
10°-20°	1524.4	4.0
20°-30°	2550.2	6.7
30°-40°	3984.0	10.4
40°-50°	6345.0	16.6
50°-60°	8829.8	23.0
60°-70°	9236.4	24.1
70°-80°	4827.4	12.6
80°-90°	501.3	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°	38329.0	100.0
0°-180°	38329.0	100.0

**Coefficient of Utilization**

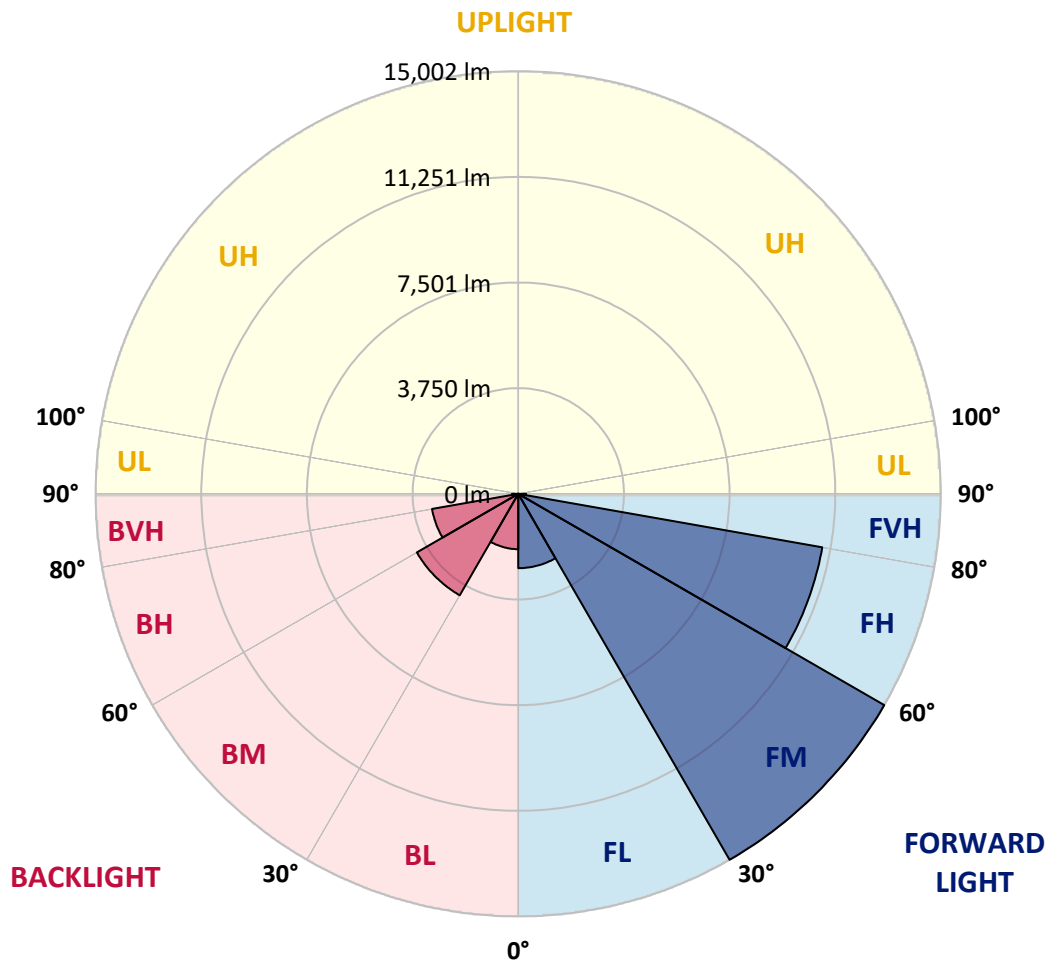


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2639.4	6.9			
FM (30°-60°)	15001.6	39.1			
FH (60°-80°)	10958.4	28.6			G4/12000
FVH (80°-90°)	280.6	0.7			G3/500
BL (0°-30°)	1965.7	5.1	B3/2500		
BM (30°-60°)	4157.2	10.8	B3/5000		
BH (60°-80°)	3105.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	220.7	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°	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5
2.5°	5753.7	5786.3	5776.1	5765.9	5765.9	5751.7	5749.7	5729.3	5713.1	5686.6
5°	5827.0	5861.5	5857.5	5865.6	5892.0	5898.1	5904.2	5892.0	5859.5	5827.0
7.5°	5761.9	5800.5	5812.7	5861.5	5942.9	6016.1	6071.0	6093.4	6062.9	6016.1
10°	5542.2	5584.9	5627.6	5743.6	5888.0	6060.9	6207.3	6294.7	6288.6	6243.9
12.5°	5096.8	5141.6	5233.1	5458.8	5723.2	6028.3	6300.8	6483.9	6546.9	6514.4
15°	4740.9	4779.5	4848.7	5080.5	5424.3	5888.0	6335.4	6691.3	6852.0	6833.7
17.5°	4730.7	4747.0	4789.7	4899.5	5163.9	5668.3	6298.8	6894.7	7201.8	7199.8
20°	4909.7	4915.8	4940.2	4962.6	5113.1	5501.5	6205.3	7063.5	7594.4	7594.4
22.5°	5157.8	5153.8	5178.2	5157.8	5231.0	5487.3	6146.3	7212.0	8031.6	8064.2
25°	5530.0	5509.7	5503.6	5456.8	5471.0	5619.5	6211.4	7380.8	8550.3	8617.4
27.5°	6026.3	5993.7	5971.4	5863.6	5827.0	5892.0	6410.7	7584.2	9127.9	9243.8
30°	6673.0	6614.1	6581.5	6394.4	6262.2	6272.4	6711.7	7854.7	9731.9	9919.1
32.5°	7555.7	7464.2	7376.8	7069.6	6827.6	6748.3	7100.1	8228.9	10386.8	10685.8
35°	8544.2	8471.0	8377.4	7903.5	7531.3	7348.3	7624.9	8751.6	11153.6	11627.5
37.5°	9496.0	9433.0	9477.7	8839.1	8359.1	8092.7	8312.3	9453.3	12099.3	12799.0
40°	10480.4	10431.6	10437.7	9827.5	9268.2	8969.3	9146.2	10334.0	13183.4	14192.2
42.5°	11550.2	11513.6	11391.6	10850.6	10222.1	9943.5	10106.2	11350.9	14346.7	15778.6
45°	12748.1	12725.8	12611.9	11991.5	11271.6	10958.4	11178.0	12473.6	15516.2	17271.4
47.5°	13783.4	13801.7	13787.4	13264.7	12518.3	12058.7	12321.0	13645.1	16604.3	18674.8
50°	14281.7	14377.2	14517.6	14354.9	13891.2	13423.4	13474.2	14775.9	17641.6	19990.7
52.5°	14021.3	14202.3	14584.7	14845.0	15024.0	14926.4	14790.1	15898.6	18617.8	21178.4
55°	13051.2	13305.4	13940.0	14568.4	15481.6	16191.4	16370.4	17143.3	19569.6	22223.8
57.5°	11283.8	11696.6	12266.1	13537.3	15074.9	16803.6	18213.1	18870.0	20578.4	23340.4
60°	8253.3	8806.5	9514.3	11405.8	13651.2	16476.2	19781.2	21522.1	22012.3	24786.5
62.5°	5281.9	5623.6	6274.4	8056.1	10637.0	14798.2	20261.2	24837.3	24442.7	27157.9
65°	3616.2	3835.8	4431.7	5432.4	6876.4	11015.3	18975.8	27322.7	28303.0	30916.5
67.5°	2627.7	2794.5	3303.0	4179.5	4480.6	6518.5	14725.0	27208.8	32055.4	34788.9
70°	1915.9	2033.8	2461.0	3303.0	3447.4	3626.3	8920.4	23128.9	31974.1	35818.0
72.5°	1419.6	1501.0	1787.7	2562.6	2790.4	2448.7	4415.5	16809.7	27475.2	32397.1
75°	1027.1	1088.1	1299.6	1960.6	2233.2	1865.0	2202.7	9823.5	19164.9	22789.2
77.5°	785.1	831.8	970.1	1435.9	1787.7	1399.3	1366.7	4519.2	9087.2	9132.0
80°	630.5	661.0	736.3	1010.8	1370.8	1047.4	890.8	1824.4	2871.8	2430.4
82.5°	463.7	514.6	622.4	709.8	980.3	722.0	543.0	921.3	1092.2	939.6
85°	264.4	299.0	376.3	508.5	626.4	441.3	311.2	408.8	508.5	416.9
87.5°	93.6	122.0	132.2	199.3	272.5	183.0	120.0	118.0	166.8	124.1
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°
5619.5	0°	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5	5619.5
5680.5	2.5°	5660.2	5650.0	5609.3	5554.4	5497.5	5442.6	5424.3	5385.6	5359.2	5344.9
5812.7	5°	5774.1	5741.5	5646.0	5523.9	5395.8	5257.5	5159.9	5070.4	5005.3	4944.3
5993.7	7.5°	5936.8	5879.8	5715.1	5501.5	5273.8	5043.9	4873.1	4742.9	4655.5	4598.5
6205.3	10°	6125.9	6038.5	5786.3	5467.0	5115.1	4785.6	4584.3	4472.4	4417.5	4387.0
6447.3	12.5°	6343.6	6219.5	5859.5	5387.7	4873.1	4496.8	4358.5	4326.0	4328.0	4330.1
6752.4	15°	6612.0	6439.1	5918.5	5214.8	4557.8	4275.1	4250.7	4303.6	4358.5	4385.0
7098.1	17.5°	6915.1	6671.0	5928.7	4930.0	4248.7	4132.8	4210.1	4324.0	4407.3	4443.9
7484.5	20°	7240.5	6906.9	5855.4	4527.3	3994.5	4016.8	4155.1	4301.6	4393.1	4439.9
7925.9	22.5°	7612.7	7159.1	5680.5	4104.3	3787.0	3890.7	4053.5	4195.8	4291.4	4338.2
8444.5	25°	8037.8	7441.8	5406.0	3748.4	3608.0	3748.4	3911.1	4029.0	4106.3	4149.0
9024.2	27.5°	8509.6	7736.7	5039.9	3465.7	3451.4	3601.9	3736.2	3827.7	3868.4	3900.9
9640.4	30°	8983.5	8005.2	4596.5	3252.1	3315.2	3457.5	3553.1	3593.8	3606.0	3612.1
10327.9	32.5°	9496.0	8237.1	4130.7	3075.2	3185.0	3317.2	3374.1	3392.5	3335.5	3296.9
11161.7	35°	10116.3	8485.2	3675.2	2934.8	3056.9	3170.8	3189.1	3172.8	3105.7	3026.4
12207.1	37.5°	10883.1	8794.3	3311.1	2835.2	2936.9	3012.1	2989.8	2985.7	2991.8	2898.2
13464.0	40°	11822.7	9197.0	3044.7	2757.9	2839.2	2855.5	2792.5	2827.0	2857.6	2715.2
14843.0	42.5°	12866.1	9683.1	2875.9	2705.0	2757.9	2719.2	2621.6	2660.3	2656.2	2469.1
16228.0	45°	13929.8	10211.9	2816.9	2666.4	2682.6	2605.4	2497.6	2507.7	2422.3	2253.5
17556.1	47.5°	14987.4	10779.4	2853.5	2633.8	2589.1	2501.6	2418.2	2373.5	2247.4	2121.3
18829.3	50°	16024.7	11375.3	2987.7	2568.7	2461.0	2410.1	2349.1	2269.8	2135.5	2027.7
20033.4	52.5°	16986.7	11975.3	3138.2	2461.0	2300.3	2330.8	2292.1	2200.6	2068.4	1958.6
21172.3	55°	17897.8	12575.3	3197.2	2312.5	2149.8	2261.6	2239.3	2070.5	1911.8	1822.3
22364.1	57.5°	18890.3	13297.3	3132.1	2123.3	2027.7	2182.3	2096.9	1909.8	1818.3	1751.1
23916.0	60°	20265.2	14430.1	2991.8	1889.4	1911.8	2064.4	1917.9	1840.6	1741.0	1665.7
26242.7	62.5°	22549.2	16543.3	2766.0	1657.6	1775.5	1889.4	1832.5	1755.2	1653.5	1580.3
30220.9	65°	25925.4	19480.2	2341.0	1476.6	1623.0	1718.6	1741.0	1663.7	1557.9	1480.6
33706.9	67.5°	28772.8	21322.8	1771.5	1326.1	1466.4	1580.3	1643.3	1568.1	1456.2	1381.0
34522.5	70°	28616.2	19984.6	1352.5	1177.6	1328.1	1444.0	1525.4	1466.4	1346.4	1275.2
31357.8	72.5°	25416.9	16718.2	1094.2	1027.1	1187.8	1301.7	1399.3	1354.5	1232.5	1163.4
22972.3	75°	18672.7	11867.5	874.6	874.6	1012.9	1153.2	1261.0	1232.5	1120.6	1071.8
9644.5	77.5°	7871.0	4978.8	685.4	726.1	842.0	990.5	1124.7	1134.9	1037.3	1098.3
2550.4	80°	2092.8	1372.8	522.7	571.5	661.0	817.6	978.3	974.2	868.5	811.5
947.8	82.5°	797.3	541.0	372.2	402.7	478.0	626.4	774.9	799.3	693.5	600.0
372.2	85°	307.1	231.9	229.8	242.0	278.6	414.9	585.7	606.1	522.7	443.4
103.7	87.5°	79.3	69.2	85.4	81.4	128.1	221.7	335.6	347.8	319.3	185.1
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>
5619.5
5361.2
4968.7
4610.7
4395.1
4334.1
4382.9
4452.1
4452.1
4350.4
4161.2
3913.1
3626.3
3309.1
3030.4
2904.3
2719.2
2467.1
2259.6
2121.3
2019.6
1960.6
1814.2
1745.0
1661.7
1580.3
1484.7
1383.0
<i>1281.3</i>
1163.4
1057.6
996.6
754.6
600.0
457.6
264.4
0.0

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