

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: P851416

Luminaire Tested: **GLAN-SB9B-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851416  
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-SB9B-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 43636 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

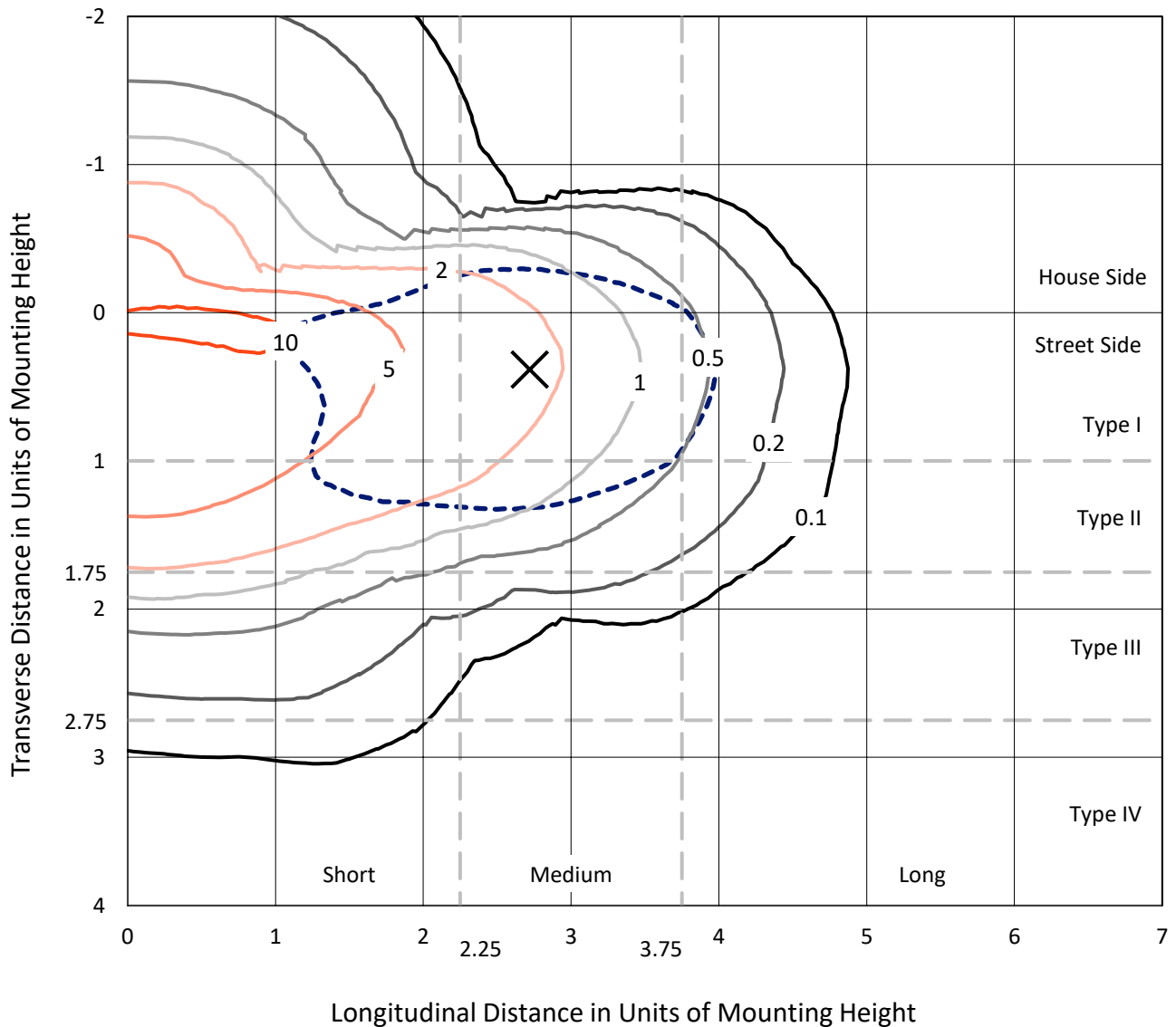
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

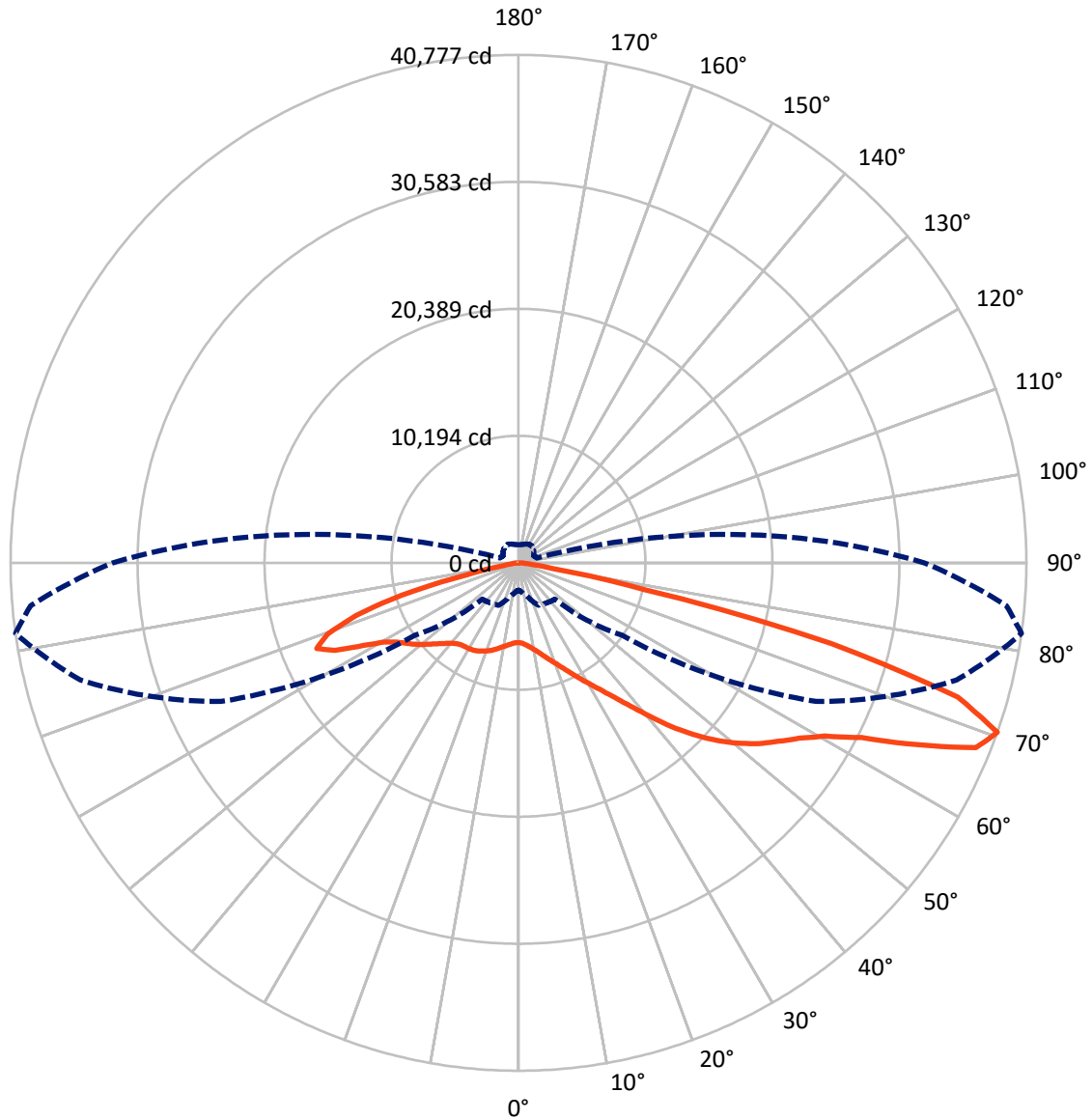
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	10757.3	0.0	10757.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	32878.7	0.0	32878.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	43636.0	0.0	43636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	604.0	1.4
10°-20°	1735.5	4.0
20°-30°	2903.2	6.7
30°-40°	4535.6	10.4
40°-50°	7223.5	16.6
50°-60°	10052.4	23.0
60°-70°	10515.2	24.1
70°-80°	5495.8	12.6
80°-90°	570.7	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°	43636.0	100.0
0°-180°	43636.0	100.0

**Coefficient of Utilization**

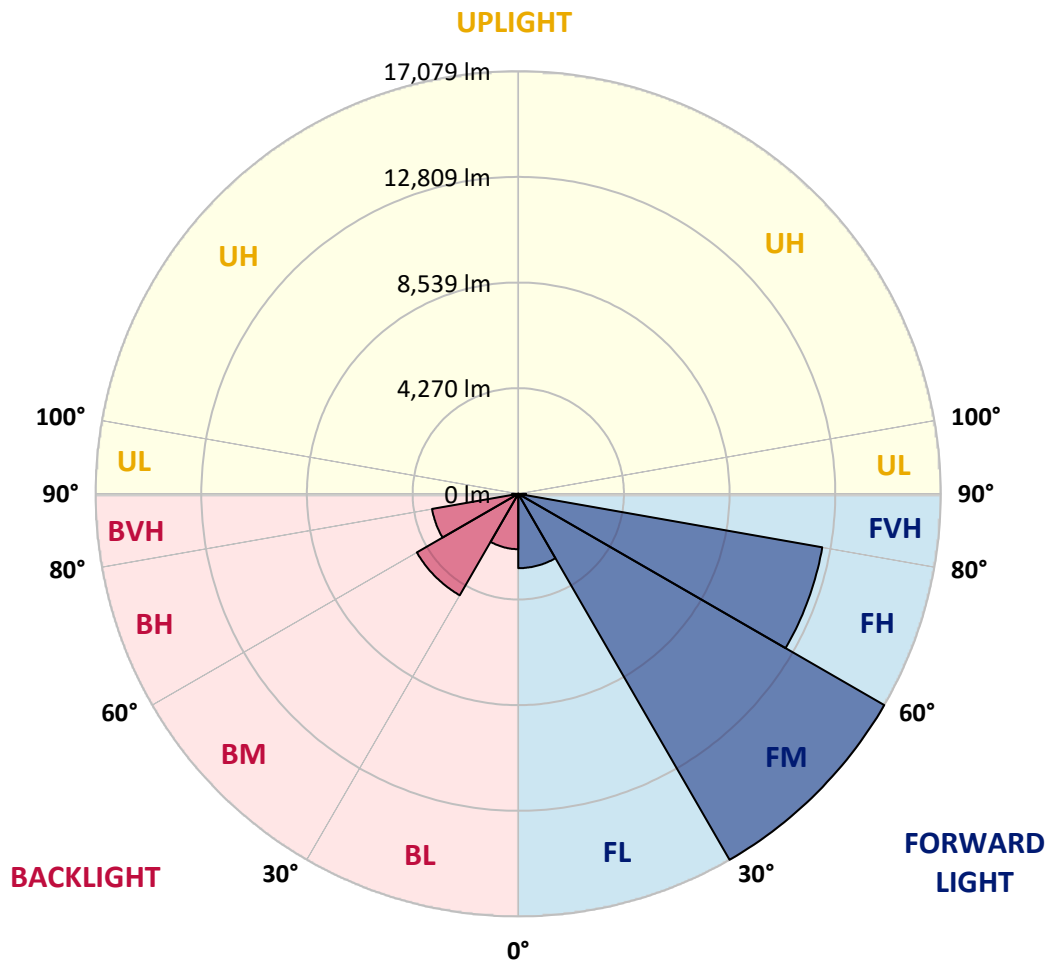


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3004.8	6.9			
FM (30°-60°)	17078.7	39.1			
FH (60°-80°)	12475.7	28.6			G5
FVH (80°-90°)	319.5	0.7			G3/500
BL (0°-30°)	2237.9	5.1	B3/2500		
BM (30°-60°)	4732.8	10.8	B3/5000		
BH (60°-80°)	3535.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	251.2	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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6
2.5°	6550.4	6587.4	6575.9	6564.3	6564.3	6548.1	6545.8	6522.6	6504.1	6474.0
5°	6633.8	6673.1	6668.5	6677.8	6707.9	6714.8	6721.7	6707.9	6670.8	6633.8
7.5°	6559.7	6603.7	6617.6	6673.1	6765.7	6849.1	6911.6	6937.1	6902.4	6849.1
10°	6309.6	6358.2	6406.8	6538.8	6703.2	6900.0	7066.7	7166.3	7159.4	7108.4
12.5°	5802.5	5853.5	5957.6	6214.7	6515.7	6863.0	7173.3	7381.6	7453.4	7416.4
15°	5397.3	5441.3	5520.0	5784.0	6175.3	6703.2	7212.6	7617.8	7800.7	7779.9
17.5°	5385.7	5404.3	5452.9	5577.9	5878.9	6453.2	7170.9	7849.4	8199.0	8196.7
20°	5589.5	5596.4	5624.2	5649.7	5821.0	6263.3	7064.4	8041.6	8645.9	8645.9
22.5°	5872.0	5867.3	5895.1	5872.0	5955.3	6247.1	6997.3	8210.6	9143.7	9180.8
25°	6295.7	6272.5	6265.6	6212.3	6228.6	6397.6	7071.4	8402.8	9734.1	9810.6
27.5°	6860.7	6823.6	6798.2	6675.4	6633.8	6707.9	7298.3	8634.3	10391.7	10523.7
30°	7597.0	7529.8	7492.8	7279.8	7129.3	7140.8	7641.0	8942.3	11079.4	11292.4
32.5°	8601.9	8497.7	8398.1	8048.5	7773.0	7682.7	8083.2	9368.3	11825.0	12165.4
35°	9727.2	9643.8	9537.3	8997.8	8574.1	8365.7	8680.6	9963.4	12697.9	13237.4
37.5°	10810.8	10739.0	10790.0	10062.9	9516.5	9213.2	9463.2	10762.2	13774.6	14571.1
40°	11931.5	11875.9	11882.9	11188.2	10551.5	10211.1	10412.6	11764.8	15008.7	16157.2
42.5°	13149.4	13107.8	12968.8	12352.9	11637.4	11320.2	11505.5	12922.5	16333.2	17963.2
45°	14513.2	14487.8	14358.1	13651.9	12832.2	12475.6	12725.7	14200.6	17664.6	19662.8
47.5°	15691.8	15712.6	15696.4	15101.4	14251.6	13728.3	14027.0	15534.3	18903.3	21260.4
50°	16259.1	16367.9	16527.7	16342.4	15814.5	15282.0	15339.8	16821.7	20084.2	22758.5
52.5°	15962.7	16168.8	16604.1	16900.5	17104.2	16993.1	16837.9	18099.9	21195.6	24110.8
55°	14858.2	15147.7	15870.1	16585.6	17625.2	18433.3	18637.0	19516.9	22279.2	25300.9
57.5°	12846.1	13316.1	13964.5	15411.6	17162.1	19130.2	20734.8	21482.7	23427.7	26572.1
60°	9396.1	10025.9	10831.7	12985.0	15541.3	18757.4	22520.0	24502.1	25060.1	28218.4
62.5°	6013.2	6402.2	7143.2	9171.5	12109.8	16847.2	23066.5	28276.3	27827.1	30918.2
65°	4116.9	4366.9	5045.4	6184.6	7828.5	12540.5	21603.1	31105.7	32221.8	35197.1
67.5°	2991.6	3181.4	3760.3	4758.2	5100.9	7421.0	16763.8	30976.1	36493.8	39605.7
70°	2181.2	2315.4	2801.7	3760.3	3924.7	4128.4	10155.6	26331.3	36401.2	40777.4
72.5°	1616.2	1708.8	2035.3	2917.5	3176.8	2787.8	5026.8	19137.2	31279.4	36882.8
75°	1169.3	1238.8	1479.6	2232.1	2542.4	2123.3	2507.6	11183.6	21818.5	25944.6
77.5°	893.8	947.0	1104.5	1634.7	2035.3	1593.0	1556.0	5144.9	10345.4	10396.4
80°	717.8	752.5	838.2	1150.8	1560.6	1192.5	1014.2	2077.0	3269.4	2767.0
82.5°	527.9	585.8	708.5	808.1	1116.0	822.0	618.2	1048.9	1243.4	1069.7
85°	301.0	340.4	428.4	578.9	713.2	502.5	354.3	465.4	578.9	474.7
87.5°	106.5	138.9	150.5	226.9	310.3	208.4	136.6	134.3	189.9	141.2
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°
6397.6	0°	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6	6397.6
6467.0	2.5°	6443.9	6432.3	6386.0	6323.5	6258.7	6196.1	6175.3	6131.3	6101.2	6085.0
6617.6	5°	6573.6	6536.5	6427.7	6288.8	6142.9	5985.4	5874.3	5772.4	5698.3	5628.9
6823.6	7.5°	6758.8	6694.0	6506.4	6263.3	6004.0	5742.3	5547.8	5399.6	5300.1	5235.2
7064.4	10°	6974.1	6874.6	6587.4	6223.9	5823.4	5448.2	5219.0	5091.7	5029.2	4994.4
7340.0	12.5°	7221.9	7080.6	6670.8	6133.6	5547.8	5119.5	4962.0	4925.0	4927.3	4929.6
7687.3	15°	7527.5	7330.7	6738.0	5936.8	5188.9	4867.1	4839.3	4899.5	4962.0	4992.1
8080.9	17.5°	7872.5	7594.7	6749.5	5612.6	4837.0	4705.0	4793.0	4922.6	5017.6	5059.3
8520.8	20°	8243.0	7863.3	6666.2	5154.2	4547.5	4573.0	4730.5	4897.2	5001.4	5054.6
9023.3	22.5°	8666.7	8150.4	6467.0	4672.6	4311.4	4429.5	4614.7	4776.8	4885.6	4938.9
9613.7	25°	9150.7	8472.2	6154.5	4267.4	4107.6	4267.4	4452.6	4586.9	4674.9	4723.5
10273.6	27.5°	9687.8	8808.0	5737.7	3945.5	3929.3	4100.7	4253.5	4357.7	4404.0	4441.0
10975.2	30°	10227.3	9113.6	5232.9	3702.4	3774.2	3936.3	4045.1	4091.4	4105.3	4112.2
11757.8	32.5°	10810.8	9377.6	4702.7	3501.0	3626.0	3776.5	3841.3	3862.2	3797.3	3753.3
12707.2	35°	11517.0	9660.0	4184.0	3341.2	3480.1	3609.8	3630.6	3612.1	3535.7	3445.4
13897.3	37.5°	12390.0	10012.0	3769.5	3227.7	3343.5	3429.2	3403.7	3399.1	3406.0	3299.5
15328.3	40°	13459.7	10470.5	3466.2	3139.7	3232.4	3250.9	3179.1	3218.5	3253.2	3091.1
16898.1	42.5°	14647.5	11023.8	3274.0	3079.5	3139.7	3095.8	2984.6	3028.6	3024.0	2811.0
18475.0	45°	15858.5	11625.9	3206.9	3035.6	3054.1	2966.1	2843.4	2854.9	2757.7	2565.5
19986.9	47.5°	17062.5	12271.9	3248.6	2998.5	2947.6	2848.0	2753.1	2702.1	2558.6	2415.0
21436.4	50°	18243.4	12950.3	3401.4	2924.4	2801.7	2743.8	2674.3	2584.0	2431.2	2308.5
22807.2	52.5°	19338.6	13633.4	3572.7	2801.7	2618.8	2653.5	2609.5	2505.3	2354.8	2229.8
24103.8	55°	20375.9	14316.4	3639.9	2632.7	2447.4	2574.8	2549.3	2357.1	2176.5	2074.6
25460.7	57.5°	21505.9	15138.4	3565.8	2417.3	2308.5	2484.5	2387.2	2174.2	2070.0	1993.6
27227.4	60°	23071.1	16428.1	3406.0	2151.1	2176.5	2350.2	2183.5	2095.5	1982.0	1896.4
29876.2	62.5°	25671.4	18833.9	3149.0	1887.1	2021.4	2151.1	2086.2	1998.2	1882.5	1799.1
34405.2	65°	29515.0	22177.4	2665.1	1681.0	1847.7	1956.6	1982.0	1894.0	1773.6	1685.6
38373.9	67.5°	32756.6	24275.2	2016.8	1509.7	1669.4	1799.1	1870.9	1785.2	1657.9	1572.2
39302.4	70°	32578.4	22751.6	1539.8	1340.6	1512.0	1644.0	1736.6	1669.4	1532.8	1451.8
35699.6	72.5°	28936.2	19033.0	1245.7	1169.3	1352.2	1481.9	1593.0	1542.1	1403.2	1324.4
26153.0	75°	21258.1	13510.6	995.6	995.6	1153.1	1312.9	1435.6	1403.2	1275.8	1220.2
10979.9	77.5°	8960.8	5668.2	780.3	826.6	958.6	1127.6	1280.4	1292.0	1180.9	1250.3
2903.6	80°	2382.6	1562.9	595.1	650.6	752.5	930.8	1113.7	1109.1	988.7	923.9
1079.0	82.5°	907.7	615.9	423.7	458.5	544.1	713.2	882.2	910.0	789.6	683.1
423.7	85°	349.6	264.0	261.6	275.5	317.2	472.4	666.8	690.0	595.1	504.8
118.1	87.5°	90.3	78.7	97.2	92.6	145.9	252.4	382.0	395.9	363.5	210.7
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>
6397.6
6103.5
5656.6
5249.1
5003.7
4934.2
4989.8
5068.5
5068.5
4952.7
4737.4
4454.9
4128.4
3767.2
3450.0
3306.5
3095.8
2808.6
2572.5
2415.0
2299.2
2232.1
2065.4
1986.7
1891.7
1799.1
1690.3
1574.5
1458.7
1324.4
1204.0
1134.6
859.0
683.1
521.0
301.0
0.0

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