

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: P853151

Luminaire Tested: **GLAN-SB9A-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853151  
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-SB9A-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32198 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

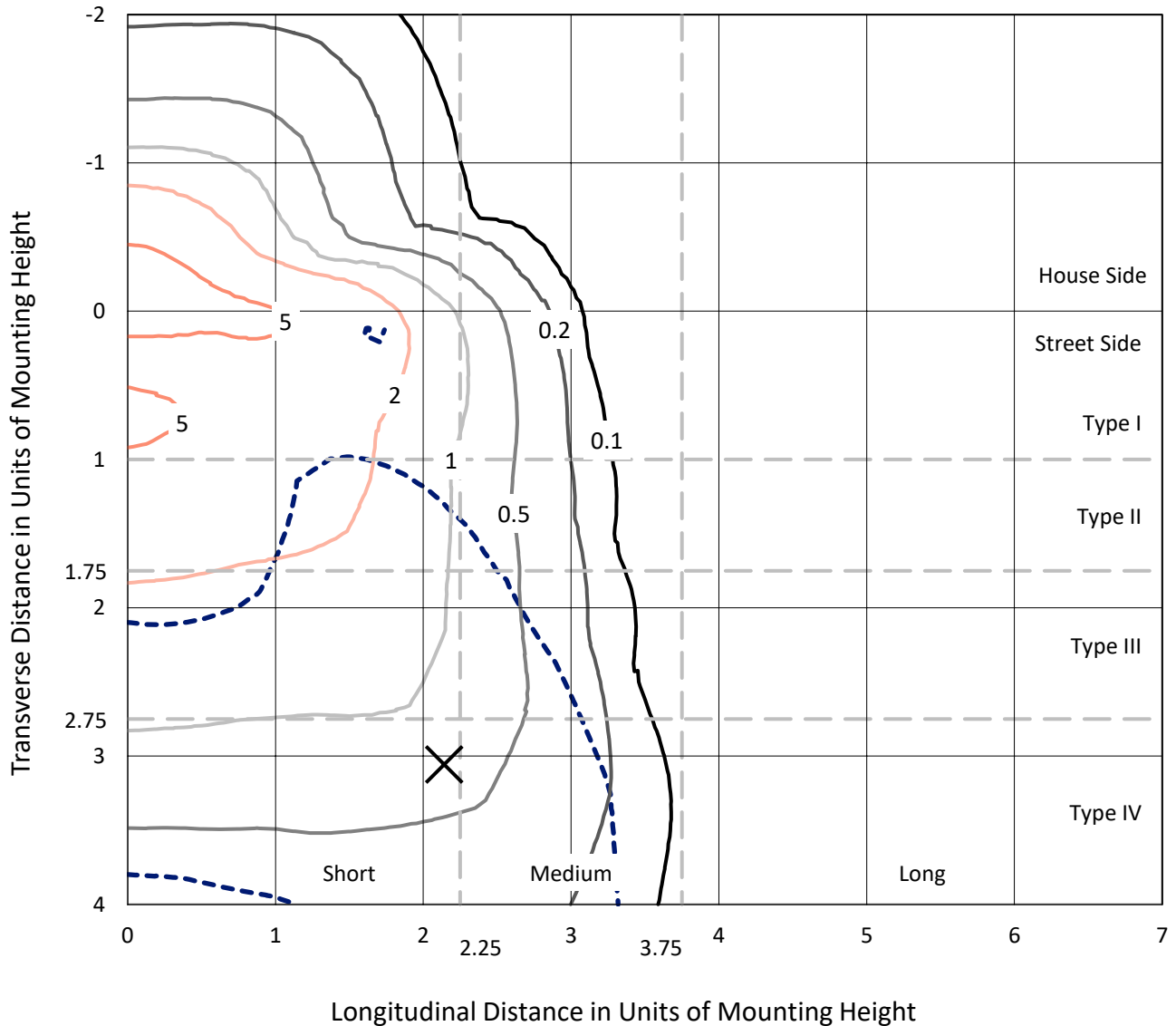
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

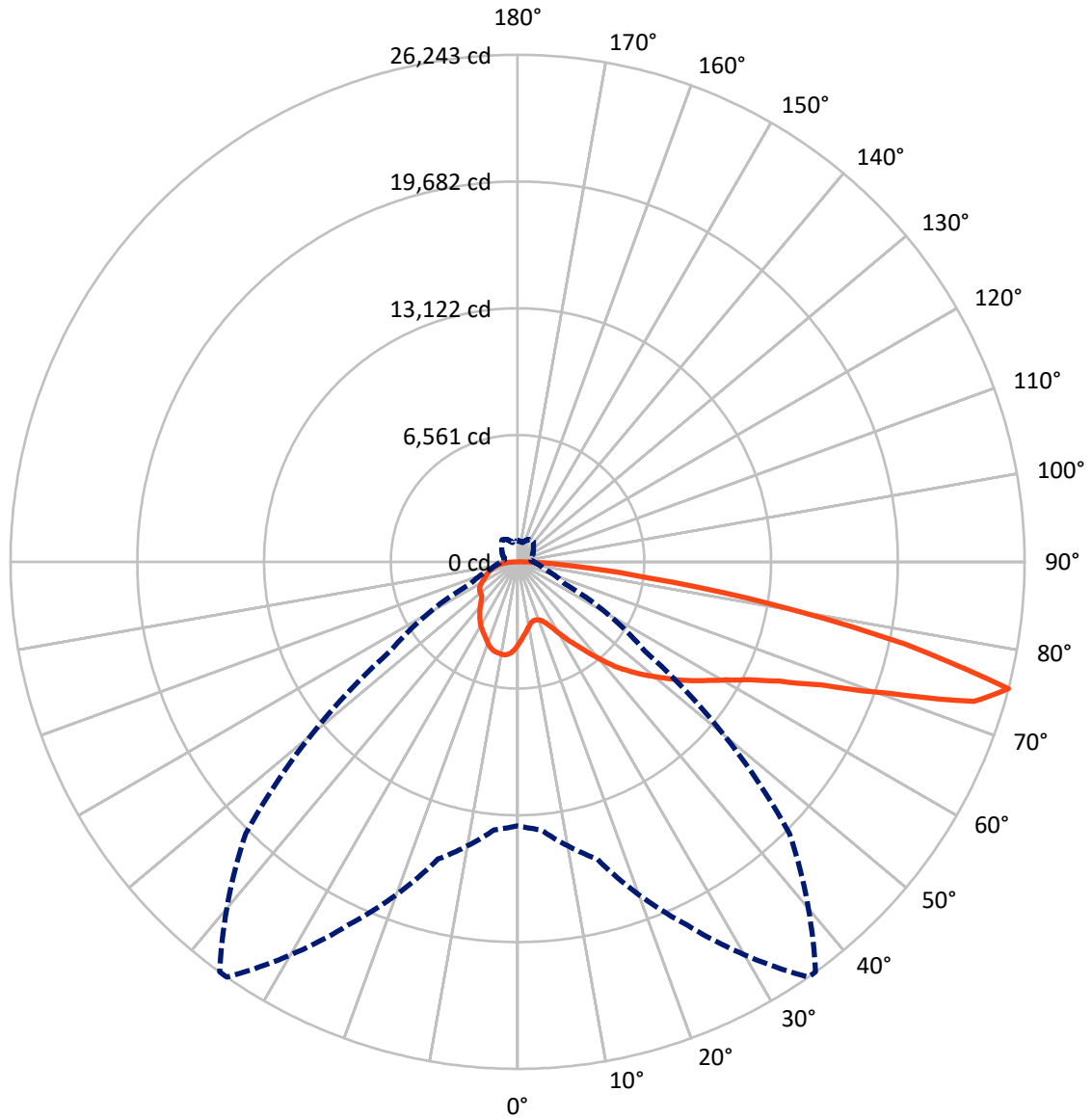
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	7662.3	0.0	7662.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	24535.7	0.0	24535.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	32198.0	0.0	32198.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.2	1.3
10°-20°	1171.8	3.6
20°-30°	1967.7	6.1
30°-40°	3058.1	9.5
40°-50°	4539.0	14.1
50°-60°	6266.3	19.5
60°-70°	7602.5	23.6
70°-80°	6282.9	19.5
80°-90°	903.7	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°	32198.0	100.0
0°-180°	32198.0	100.0

**Coefficient of Utilization**

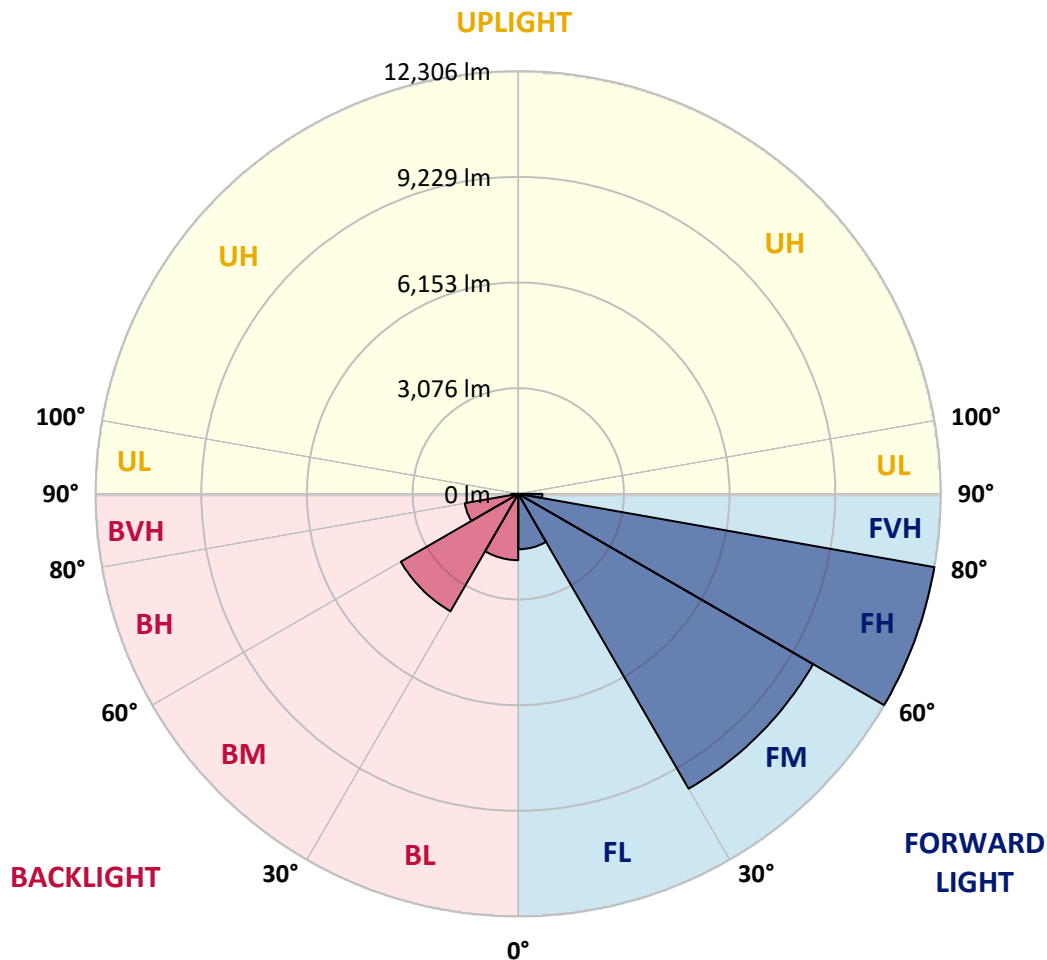


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.7	5.0			
FM (30°-60°)	9915.2	30.8			
FH (60°-80°)	12305.6	38.2			G5
FVH (80°-90°)	700.2	2.2			G4/750
BL (0°-30°)	1931.0	6.0	B3/2500		
BM (30°-60°)	3948.1	12.3	B3/5000		
BH (60°-80°)	1579.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	203.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6
2.5°	3956.4	3980.8	3991.2	3986.0	4012.1	4008.6	4045.2	4090.4	4153.1	4214.0
5°	3651.8	3677.9	3700.5	3721.4	3771.9	3787.6	3845.0	3932.0	4046.9	4163.5
7.5°	3368.1	3390.7	3425.5	3463.8	3549.1	3564.8	3660.5	3796.3	3956.4	4127.0
10°	3136.6	3159.2	3195.8	3239.3	3345.5	3364.6	3486.4	3667.5	3876.3	4092.2
12.5°	3037.4	3044.3	3065.2	3108.7	3201.0	3213.2	3347.2	3554.3	3798.0	4066.1
15°	3032.1	3046.1	3047.8	3070.4	3147.0	3152.2	3275.8	3481.2	3749.3	4060.8
17.5°	3084.4	3094.8	3079.1	3093.1	3157.5	3166.2	3263.6	3446.4	3733.6	4083.5
20°	3223.6	3232.3	3185.3	3166.2	3213.2	3220.1	3315.9	3469.0	3749.3	4130.5
22.5°	3519.5	3524.7	3409.9	3331.5	3335.0	3338.5	3422.0	3561.3	3810.2	4215.8
25°	3980.8	3977.3	3794.5	3643.1	3556.1	3536.9	3592.6	3711.0	3912.9	4328.9
27.5°	4520.4	4494.3	4311.5	4085.2	3895.5	3867.6	3855.4	3905.9	4059.1	4478.6
30°	5129.6	5105.2	4908.5	4612.6	4349.8	4304.5	4189.6	4163.5	4276.7	4682.2
32.5°	5798.0	5782.3	5547.3	5188.8	4837.2	4784.9	4591.7	4522.1	4610.9	4990.3
35°	6358.4	6344.5	6149.6	5780.6	5350.6	5286.2	5089.5	5011.2	5056.5	5385.4
37.5°	6865.0	6858.0	6690.9	6400.2	5956.4	5878.0	5657.0	5630.9	5622.2	5905.9
40°	7334.9	7317.5	7143.5	6990.3	6661.3	6589.9	6395.0	6372.4	6306.2	6546.4
42.5°	7855.4	7810.1	7557.7	7486.4	7397.6	7338.4	7221.8	7225.3	7079.1	7268.8
45°	8280.1	8254.0	7994.6	7952.8	8048.6	8024.2	8125.2	8151.3	7867.6	8025.9
47.5°	8736.1	8711.7	8492.4	8462.8	8722.2	8729.2	9086.0	9094.7	8636.9	8812.7
50°	9298.3	9263.5	9045.9	9082.5	9373.2	9399.3	10052.0	9992.8	9345.3	9611.6
52.5°	9669.1	9690.0	9643.0	9702.2	10099.0	10123.4	11002.4	10851.0	10046.8	10400.1
55°	9942.4	9984.1	10130.3	10266.1	10864.9	10889.3	11898.8	11667.3	10628.2	11131.2
57.5°	10294.0	10234.8	10508.1	10772.6	11592.5	11656.9	12770.8	12454.1	11143.4	11761.3
60°	10798.7	10757.0	10969.3	11361.0	12407.1	12509.8	13693.4	13162.5	11521.1	12260.9
62.5°	11822.2	11717.8	11750.9	12097.2	13434.0	13569.8	14734.3	13780.4	11709.1	12455.8
65°	13352.2	13172.9	13005.8	13246.0	14880.5	15014.5	15909.2	14266.0	11639.5	12078.1
67.5°	15279.1	15101.5	14896.1	15122.4	17011.0	17117.1	17359.1	14539.3	11091.2	10622.9
70°	16868.2	16802.1	17047.5	17978.8	20413.9	20417.3	19218.1	14313.0	9589.0	7531.6
72.5°	16657.6	16617.6	17910.9	20789.8	24702.7	24610.5	20977.8	12600.3	6459.4	3397.7
75°	13665.5	13924.9	15928.3	20739.4	26243.2	26231.0	19900.4	8010.3	2671.8	1408.2
77.5°	7328.0	7738.7	10341.0	15312.1	20487.0	20795.1	13991.0	2802.4	1147.1	901.6
80°	2389.9	2748.4	4121.8	7796.2	13312.2	13254.7	5996.4	1100.1	785.0	638.8
82.5°	1014.8	1056.5	1841.6	3681.4	6831.9	6725.7	1909.4	631.8	551.8	436.9
85°	396.9	443.9	812.9	1702.3	2959.0	2894.6	689.3	313.3	353.3	285.5
87.5°	130.5	158.4	290.7	583.1	920.8	887.7	168.8	107.9	153.2	130.5
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°
4290.6	0°	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6	4290.6
4302.8	2.5°	4327.2	4355.0	4388.1	4436.8	4478.6	4513.4	4550.0	4572.6	4581.3	4607.4
4309.7	5°	4358.5	4419.4	4501.2	4581.3	4659.6	4706.6	4748.4	4769.3	4788.4	4802.3
4328.9	7.5°	4410.7	4489.0	4617.8	4722.3	4788.4	4826.7	4854.6	4847.6	4854.6	4858.0
4349.8	10°	4456.0	4565.6	4718.8	4818.0	4868.5	4870.2	4863.3	4838.9	4826.7	4828.4
4381.1	12.5°	4509.9	4631.8	4797.1	4880.7	4894.6	4856.3	4826.7	4784.9	4769.3	4762.3
4428.1	15°	4583.0	4722.3	4882.4	4913.7	4878.9	4830.2	4779.7	4711.8	4677.0	4649.2
4508.2	17.5°	4671.8	4825.0	4948.6	4925.9	4851.1	4771.0	4689.2	4586.5	4515.1	4485.5
4617.8	20°	4795.4	4932.9	4999.0	4899.8	4786.7	4664.8	4525.6	4400.3	4334.1	4304.5
4757.1	22.5°	4945.1	5077.4	5047.8	4854.6	4694.4	4499.5	4325.4	4233.2	4200.1	4179.2
4936.4	25°	5124.4	5237.5	5082.6	4788.4	4543.0	4280.2	4146.1	4116.5	4100.9	4085.2
5155.7	27.5°	5357.6	5418.5	5108.7	4690.9	4306.3	4046.9	3998.2	4003.4	3998.2	3972.1
5460.3	30°	5665.7	5653.5	5133.1	4532.5	4034.7	3836.3	3839.8	3862.4	3865.9	3848.5
5885.0	32.5°	6071.2	5947.7	5145.2	4327.2	3775.4	3651.8	3655.3	3679.6	3697.1	3667.5
6440.3	35°	6562.1	6290.6	5126.1	4069.5	3575.2	3476.0	3449.9	3456.8	3462.1	3434.2
7113.9	37.5°	7134.8	6675.2	5040.8	3784.1	3409.9	3303.7	3248.0	3201.0	3173.1	3147.0
7876.3	40°	7763.1	7094.7	4884.1	3505.6	3225.3	3120.9	3037.4	2948.6	2854.6	2819.8
8683.9	42.5°	8421.1	7526.4	4694.4	3239.3	3013.0	2927.7	2838.9	2710.1	2569.1	2497.8
9522.9	45°	9103.4	7968.5	4508.2	2976.4	2795.4	2758.9	2656.2	2501.3	2348.1	2257.6
10363.6	47.5°	9771.8	8386.3	4234.9	2711.9	2591.8	2631.8	2551.7	2409.0	2238.4	2095.7
11197.3	50°	10410.6	8777.9	3787.6	2443.8	2426.4	2593.5	2516.9	2311.5	2116.6	1933.8
12015.4	52.5°	11044.2	9094.7	3214.9	2200.1	2337.6	2583.1	2471.7	2245.4	2006.9	1815.5
12784.8	55°	11582.0	9258.3	2663.1	1991.3	2208.8	2494.3	2417.7	2167.1	1852.0	1648.4
13312.2	57.5°	11888.4	9126.0	2203.6	1785.9	2031.3	2348.1	2325.5	2000.0	1667.5	1510.8
13414.9	60°	11756.1	8589.9	1827.6	1606.6	1862.5	2189.7	2165.3	1834.6	1526.5	1378.6
12864.8	62.5°	11026.8	7568.2	1530.0	1449.9	1709.3	2027.8	2005.2	1707.5	1418.6	1275.9
11404.5	65°	9557.7	6156.5	1298.5	1319.4	1554.4	1832.9	1865.9	1601.4	1333.3	1194.1
8823.1	67.5°	7289.7	4459.4	1117.5	1206.2	1402.9	1641.4	1737.1	1524.8	1261.9	1129.7
5105.2	70°	4154.8	2532.6	964.3	1096.6	1268.9	1463.9	1637.9	1463.9	1185.4	1075.7
1912.9	72.5°	1575.3	1162.7	833.8	986.9	1140.1	1314.2	1528.3	1368.1	1096.6	1014.8
988.7	75°	840.7	708.4	701.5	858.1	992.1	1167.9	1390.7	1274.1	1030.4	1072.2
684.1	77.5°	572.7	501.3	586.6	734.5	830.3	1006.1	1244.5	1131.4	892.9	889.5
473.4	80°	396.9	355.1	476.9	591.8	642.3	845.9	1086.1	971.3	727.6	678.8
292.4	82.5°	238.5	231.5	356.8	442.1	454.3	652.7	899.9	814.6	595.3	518.7
174.1	85°	130.5	137.5	228.0	259.4	264.6	456.0	704.9	630.1	457.8	384.7
62.7	87.5°	36.6	47.0	83.5	102.7	127.1	236.7	419.5	374.2	229.8	160.1
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>
4290.6
4605.7
4805.8
4863.3
4831.9
4758.8
4657.9
4487.3
4301.0
4182.7
4085.2
3977.3
3857.2
3681.4
3453.4
3164.4
2835.5
2506.5
2250.6
2080.0
1918.2
1794.6
1631.0
1490.0
1357.7
1253.2
1171.4
1108.8
1061.8
1000.9
<i>1107.0</i>
819.8
649.2
522.2
388.2
160.1
0.0

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