

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: P852869

Luminaire Tested: **GLAN-SB7A-730-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852869  
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-SB7A-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30458 lumens  
Efficiency: N/A  
Efficacy: 153.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

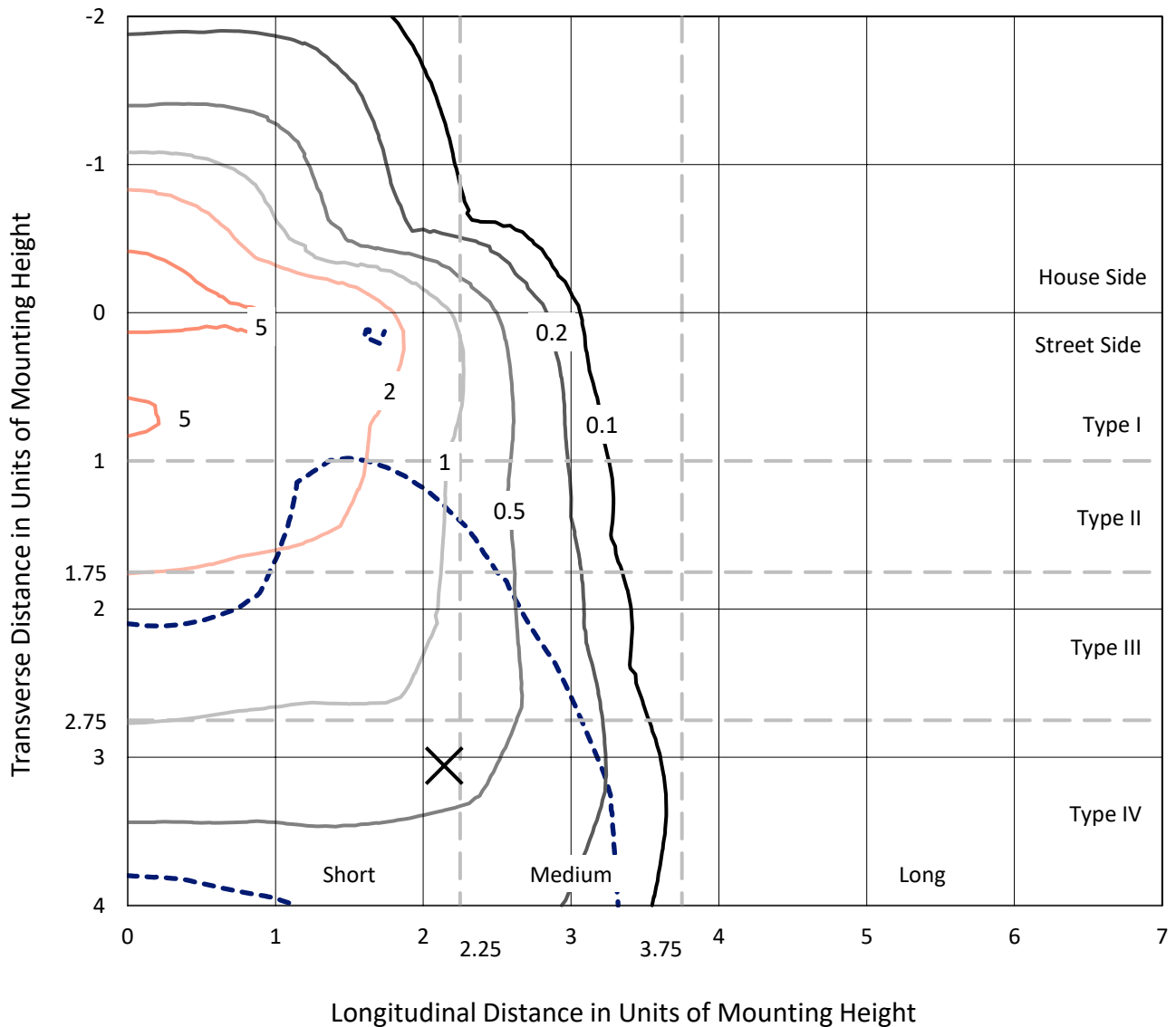
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

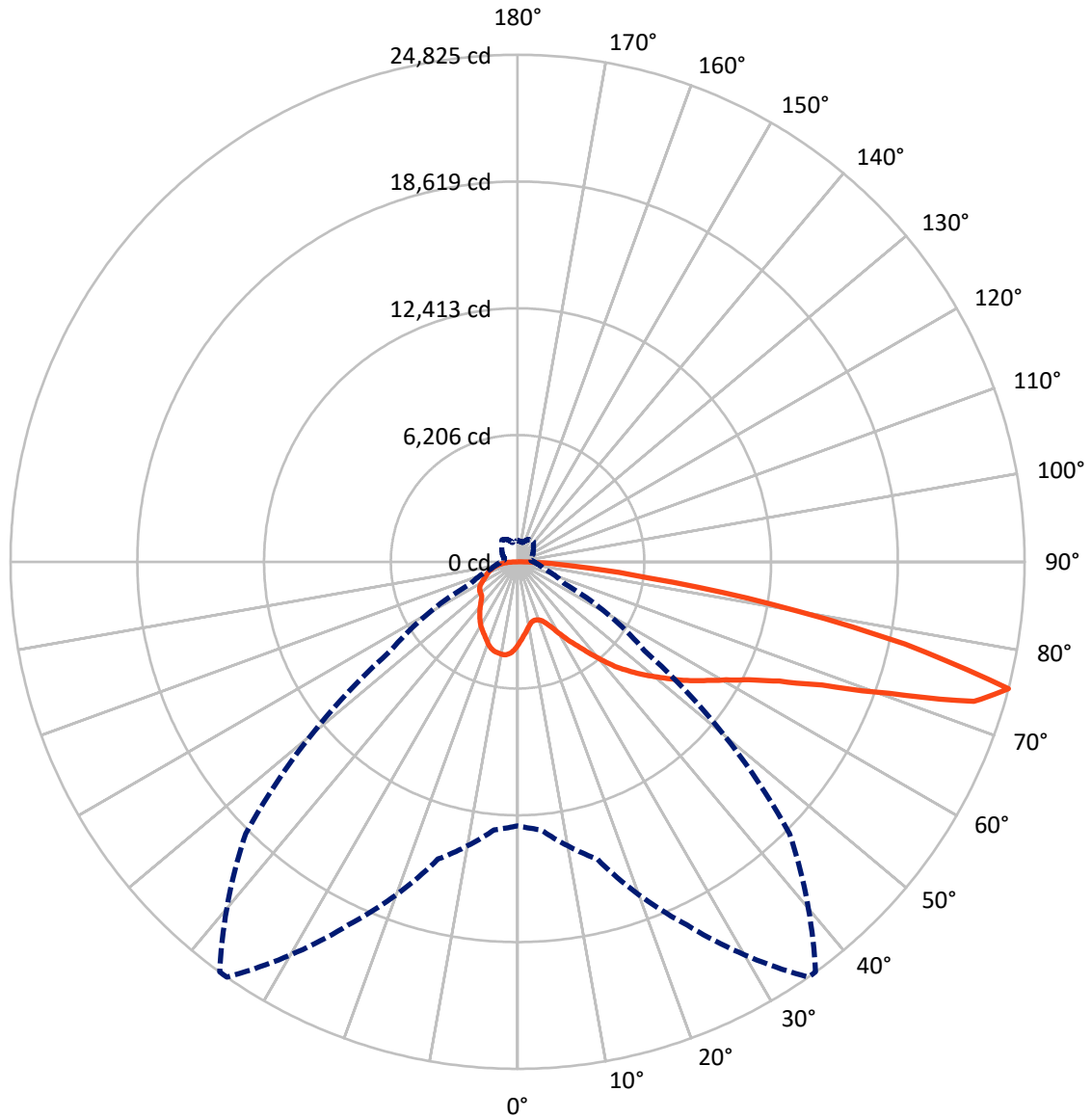
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	7248.2	0.0	7248.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	23209.8	0.0	23209.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	30458.0	0.0	30458.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.3	1.3
10°-20°	1108.4	3.6
20°-30°	1861.3	6.1
30°-40°	2892.8	9.5
40°-50°	4293.7	14.1
50°-60°	5927.7	19.5
60°-70°	7191.6	23.6
70°-80°	5943.3	19.5
80°-90°	854.8	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°	30458.0	100.0
0°-180°	30458.0	100.0

**Coefficient of Utilization**

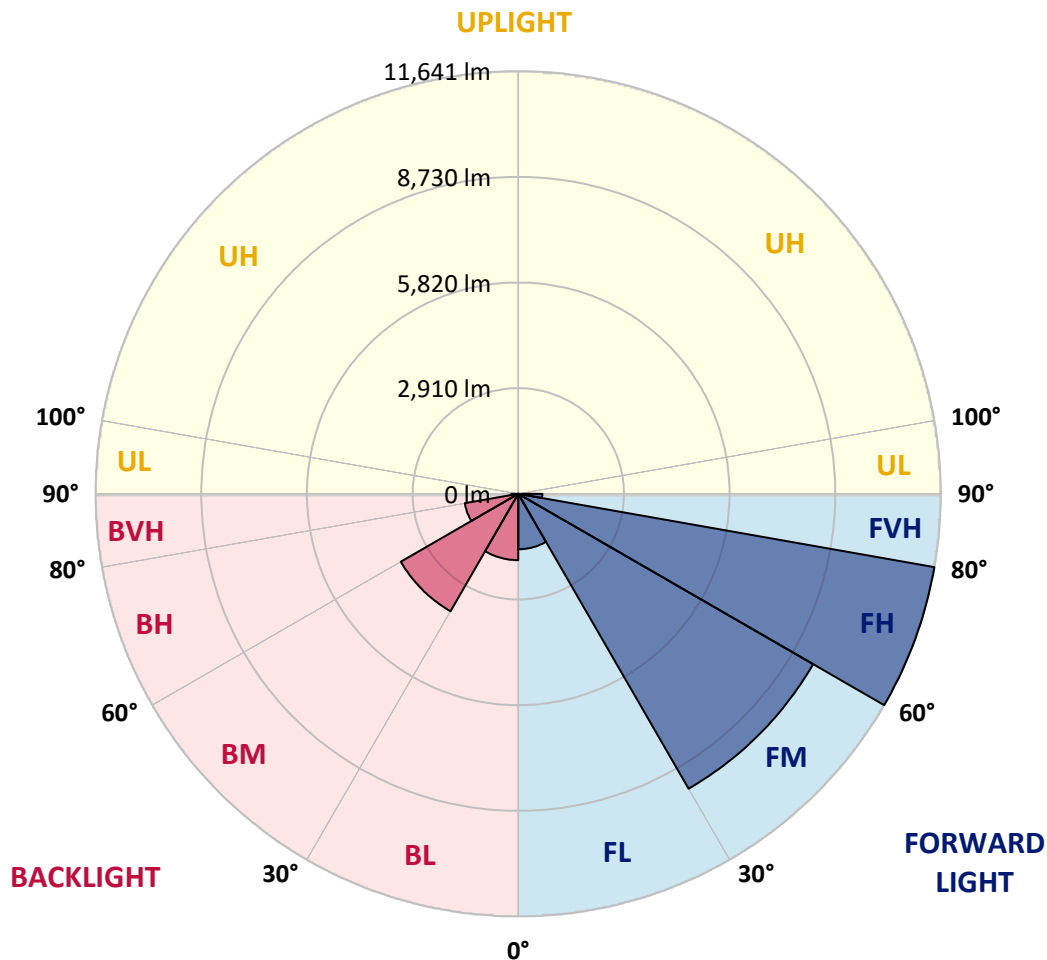


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1527.4	5.0			
FM (30°-60°)	9379.4	30.8			
FH (60°-80°)	11640.6	38.2			G4/12000
FVH (80°-90°)	662.3	2.2			G4/750
BL (0°-30°)	1826.7	6.0	B3/2500		
BM (30°-60°)	3734.7	12.3	B3/5000		
BH (60°-80°)	1494.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	192.5	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-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7
2.5°	3742.6	3765.6	3775.5	3770.6	3795.3	3792.0	3826.6	3869.4	3928.7	3986.3
5°	3454.5	3479.2	3500.6	3520.3	3568.1	3582.9	3637.2	3719.5	3828.2	3938.5
7.5°	3186.1	3207.5	3240.4	3276.6	3357.3	3372.1	3462.7	3591.1	3742.6	3904.0
10°	2967.1	2988.5	3023.1	3064.2	3164.7	3182.8	3298.0	3469.3	3666.9	3871.0
12.5°	2873.2	2879.8	2899.6	2940.7	3028.0	3039.5	3166.3	3362.2	3592.8	3846.3
15°	2868.3	2881.5	2883.1	2904.5	2977.0	2981.9	3098.8	3293.1	3546.7	3841.4
17.5°	2917.7	2927.6	2912.7	2925.9	2986.8	2995.1	3087.3	3260.2	3531.8	3862.8
20°	3049.4	3057.6	3013.2	2995.1	3039.5	3046.1	3136.7	3281.6	3546.7	3907.3
22.5°	3329.3	3334.3	3225.6	3151.5	3154.8	3158.1	3237.1	3368.8	3604.3	3987.9
25°	3765.6	3762.4	3589.5	3446.2	3363.9	3345.8	3398.5	3510.4	3701.4	4095.0
27.5°	4276.1	4251.4	4078.5	3864.4	3685.0	3658.6	3647.1	3694.8	3839.7	4236.6
30°	4852.4	4829.3	4643.3	4363.3	4114.7	4071.9	3963.2	3938.5	4045.6	4429.2
32.5°	5484.6	5469.8	5247.5	4908.4	4575.7	4526.4	4343.6	4277.7	4361.7	4720.6
35°	6014.8	6001.7	5817.2	5468.2	5061.5	5000.6	4814.5	4740.4	4783.2	5094.4
37.5°	6494.0	6487.4	6329.3	6054.3	5634.5	5560.4	5351.3	5326.6	5318.3	5586.7
40°	6938.5	6922.1	6757.4	6612.5	6301.3	6233.8	6049.4	6028.0	5965.4	6192.7
42.5°	7430.9	7388.0	7149.3	7081.8	6997.8	6941.8	6831.5	6834.8	6696.5	6876.0
45°	7832.6	7807.9	7562.6	7523.1	7613.6	7590.6	7686.1	7710.8	7442.4	7592.2
47.5°	8264.0	8241.0	8033.5	8005.5	8250.8	8257.4	8595.0	8603.2	8170.2	8336.5
50°	8795.8	8762.9	8557.1	8591.7	8866.6	8891.3	9508.8	9452.8	8840.3	9092.2
52.5°	9146.6	9166.3	9121.9	9177.8	9553.3	9576.3	10407.8	10264.6	9503.9	9838.1
55°	9405.1	9444.6	9582.9	9711.3	10277.7	10300.8	11255.8	11036.8	10053.8	10529.7
57.5°	9737.7	9681.7	9940.2	10190.5	10966.0	11026.9	12080.7	11781.0	10541.2	11125.7
60°	10215.2	10175.7	10376.5	10747.0	11736.6	11833.7	12953.4	12451.2	10898.5	11598.3
62.5°	11183.3	11084.5	11115.8	11443.5	12708.0	12836.5	13938.0	13035.7	11076.3	11782.7
65°	12630.7	12461.1	12303.0	12530.2	14076.3	14203.1	15049.4	13495.1	11010.4	11425.4
67.5°	14453.4	14285.4	14091.1	14305.2	16091.7	16192.1	16421.0	13753.6	10491.8	10048.9
70°	15956.7	15894.1	16126.3	17007.2	19310.7	19314.0	18179.5	13539.5	9070.8	7124.6
72.5°	15757.4	15719.6	16943.0	19666.3	23367.8	23280.5	19844.2	11919.3	6110.3	3214.1
75°	12927.0	13172.4	15067.5	19618.6	24825.0	24813.4	18825.0	7577.4	2527.4	1332.1
77.5°	6932.0	7320.5	9782.1	14484.7	19379.8	19671.3	13234.9	2650.9	1085.1	852.9
80°	2260.7	2599.9	3899.0	7374.9	12592.8	12538.4	5672.3	1040.6	742.6	604.3
82.5°	959.9	999.5	1742.0	3482.4	6462.7	6362.3	1806.3	597.7	522.0	413.3
85°	375.4	419.9	768.9	1610.3	2799.1	2738.2	652.0	296.4	334.2	270.0
87.5°	123.5	149.8	275.0	551.6	871.0	839.7	159.7	102.1	144.9	123.5
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°
4058.7	0°	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7	4058.7
4070.3	2.5°	4093.3	4119.7	4150.9	4197.0	4236.6	4269.5	4304.1	4325.5	4333.7	4358.4
4076.8	5°	4122.9	4180.6	4258.0	4333.7	4407.8	4452.3	4491.8	4511.5	4529.6	4542.8
4095.0	7.5°	4172.3	4246.4	4368.3	4467.1	4529.6	4565.9	4592.2	4585.6	4592.2	4595.5
4114.7	10°	4215.2	4318.9	4463.8	4557.6	4605.4	4607.0	4600.4	4577.4	4565.9	4567.5
4144.4	12.5°	4266.2	4381.5	4537.9	4616.9	4630.1	4593.9	4565.9	4526.4	4511.5	4504.9
4188.8	15°	4335.4	4467.1	4618.6	4648.2	4615.3	4569.2	4521.4	4457.2	4424.3	4397.9
4264.6	17.5°	4419.3	4564.2	4681.1	4659.7	4588.9	4513.2	4435.8	4338.6	4271.1	4243.1
4368.3	20°	4536.2	4666.3	4728.9	4635.0	4528.0	4412.7	4281.0	4162.5	4099.9	4071.9
4500.0	22.5°	4677.8	4803.0	4775.0	4592.2	4440.7	4256.3	4091.7	4004.4	3973.1	3953.4
4669.6	25°	4847.4	4954.5	4807.9	4529.6	4297.5	4048.9	3922.1	3894.1	3879.3	3864.4
4877.1	27.5°	5068.1	5125.7	4832.6	4437.4	4073.6	3828.2	3782.1	3787.1	3782.1	3757.4
5165.2	30°	5359.5	5348.0	4855.7	4287.6	3816.7	3629.0	3632.3	3653.7	3657.0	3640.5
5567.0	32.5°	5743.2	5626.2	4867.2	4093.3	3571.4	3454.5	3457.7	3480.8	3497.3	3469.3
6092.2	35°	6207.5	5950.6	4849.1	3849.6	3382.0	3288.2	3263.5	3270.0	3275.0	3248.6
6729.4	37.5°	6749.2	6314.5	4768.4	3579.6	3225.6	3125.1	3072.5	3028.0	3001.7	2977.0
7450.6	40°	7343.6	6711.3	4620.2	3316.1	3051.0	2952.3	2873.2	2789.2	2700.3	2667.4
8214.6	42.5°	7966.0	7119.7	4440.7	3064.2	2850.2	2769.5	2685.5	2563.7	2430.3	2362.8
9008.3	45°	8611.4	7537.9	4264.6	2815.6	2644.4	2609.8	2512.6	2366.1	2221.2	2135.6
9803.5	47.5°	9243.7	7933.1	4006.0	2565.3	2451.7	2489.6	2413.8	2278.8	2117.5	1982.4
10592.2	50°	9848.0	8303.5	3582.9	2311.7	2295.3	2453.4	2380.9	2186.6	2002.2	1829.3
11366.1	52.5°	10447.3	8603.2	3041.2	2081.2	2211.3	2443.5	2338.1	2124.0	1898.5	1717.3
12093.9	55°	10956.1	8758.0	2519.2	1883.6	2089.5	2359.5	2287.1	2049.9	1751.9	1559.3
12592.8	57.5°	11245.9	8632.8	2084.5	1689.4	1921.5	2221.2	2199.8	1891.9	1577.4	1429.2
12689.9	60°	11120.8	8125.7	1728.9	1519.8	1761.8	2071.4	2048.3	1735.5	1444.0	1304.1
12169.6	62.5°	10430.9	7159.2	1447.3	1371.6	1616.9	1918.2	1896.8	1615.3	1341.9	1206.9
10788.2	65°	9041.2	5823.8	1228.3	1248.1	1470.4	1733.8	1765.1	1514.8	1261.3	1129.5
8346.3	67.5°	6895.7	4218.4	1057.1	1141.1	1327.1	1552.7	1643.3	1442.4	1193.7	1068.6
4829.3	70°	3930.3	2395.7	912.2	1037.3	1200.3	1384.7	1549.4	1384.7	1121.3	1017.6
1809.6	72.5°	1490.1	1099.9	788.7	933.6	1078.5	1243.1	1445.7	1294.2	1037.3	959.9
935.2	75°	795.3	670.1	663.6	811.7	938.5	1104.8	1315.6	1205.3	974.8	1014.3
647.1	77.5°	541.7	474.2	554.9	694.8	785.4	951.7	1177.3	1070.3	844.7	841.4
447.9	80°	375.4	335.9	451.2	559.8	607.6	800.2	1027.4	918.8	688.3	642.2
276.6	82.5°	225.6	219.0	337.5	418.2	429.7	617.5	851.3	770.6	563.1	490.7
164.7	85°	123.5	130.1	215.7	245.3	250.3	431.4	666.9	596.0	433.0	363.9
59.3	87.5°	34.6	44.5	79.0	97.1	120.2	223.9	396.8	354.0	217.3	151.5
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>
4058.7
4356.8
4546.1
4600.4
4570.8
4501.7
4406.2
4244.8
4068.6
3956.6
3864.4
3762.4
3648.7
3482.4
3266.7
2993.4
2682.2
2371.0
2129.0
1967.6
1814.5
1697.6
1542.8
1409.4
1284.3
1185.5
1108.1
1048.8
1004.4
946.8
1047.2
775.5
614.2
494.0
367.2
151.5
0.0

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