

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: P849113

Luminaire Tested: **GLAN-SB6A-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26047 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

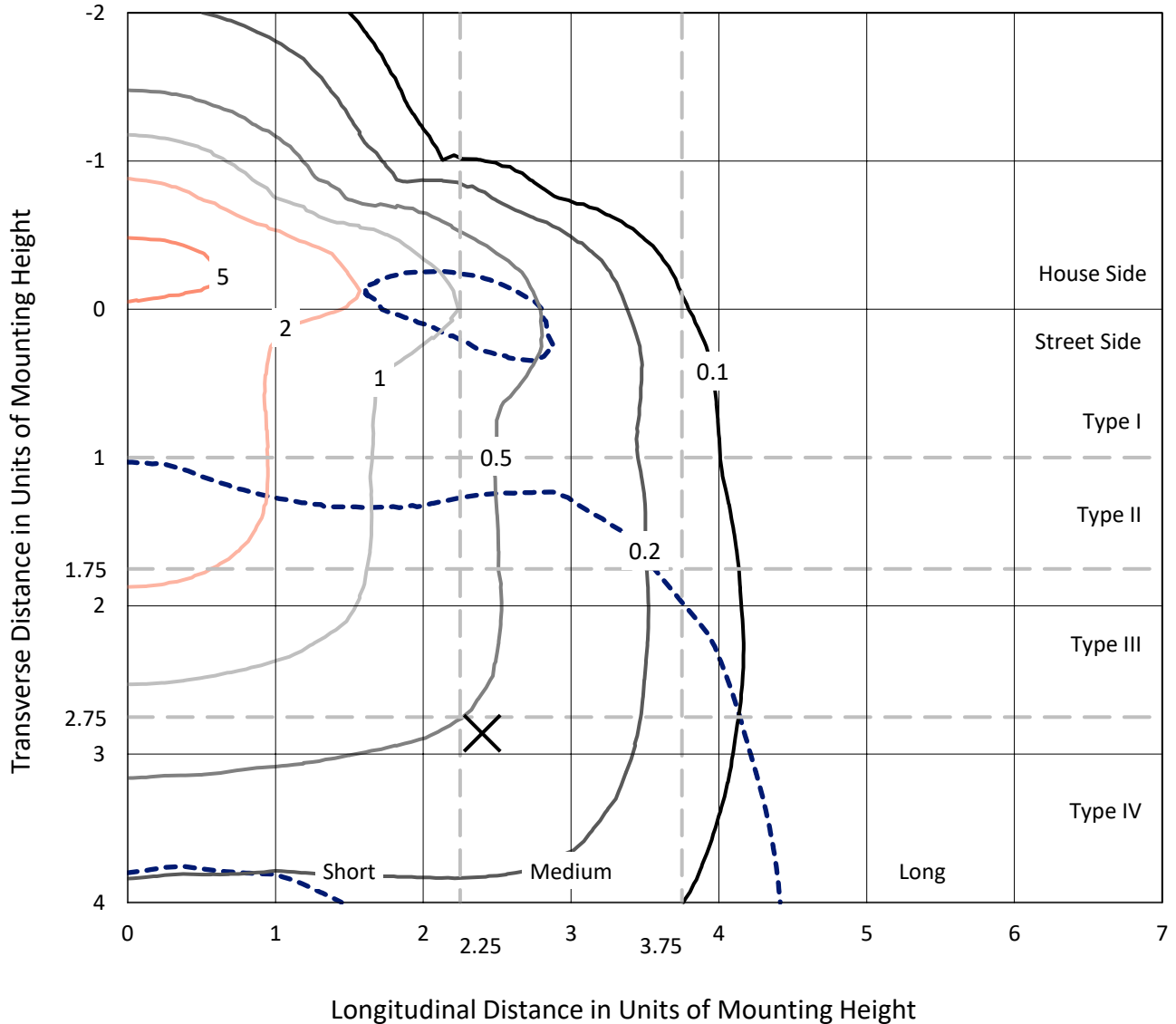
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

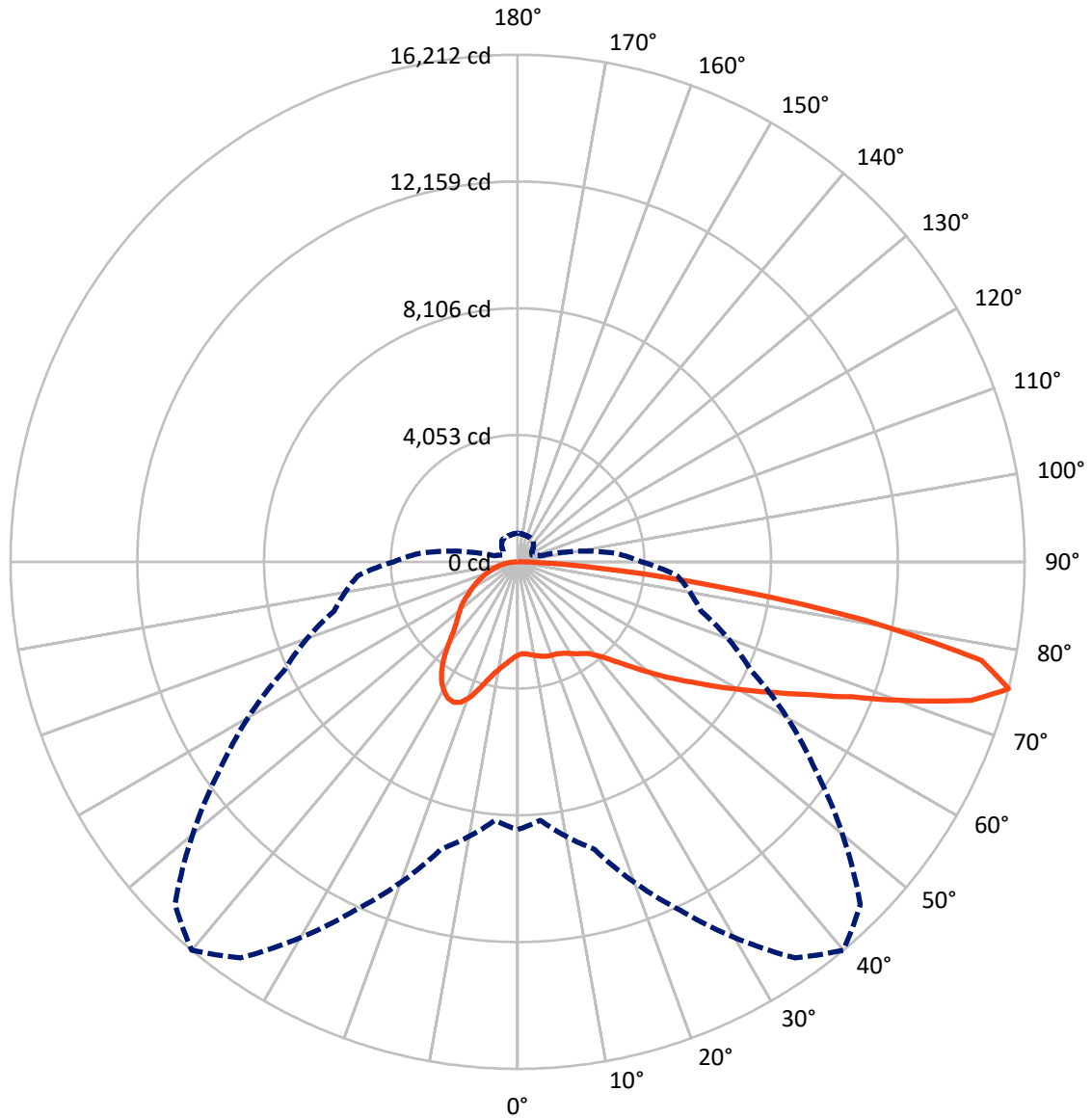
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8070.2	0.0	8070.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17976.8	0.0	17976.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	26047.0	0.0	26047.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.3	1.1
10°-20°	998.2	3.8
20°-30°	1822.7	7.0
30°-40°	2585.0	9.9
40°-50°	3490.6	13.4
50°-60°	4695.7	18.0
60°-70°	5960.0	22.9
70°-80°	5409.0	20.8
80°-90°	788.5	3.0
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°	26047.0	100.0
0°-180°	26047.0	100.0

**Coefficient of Utilization**

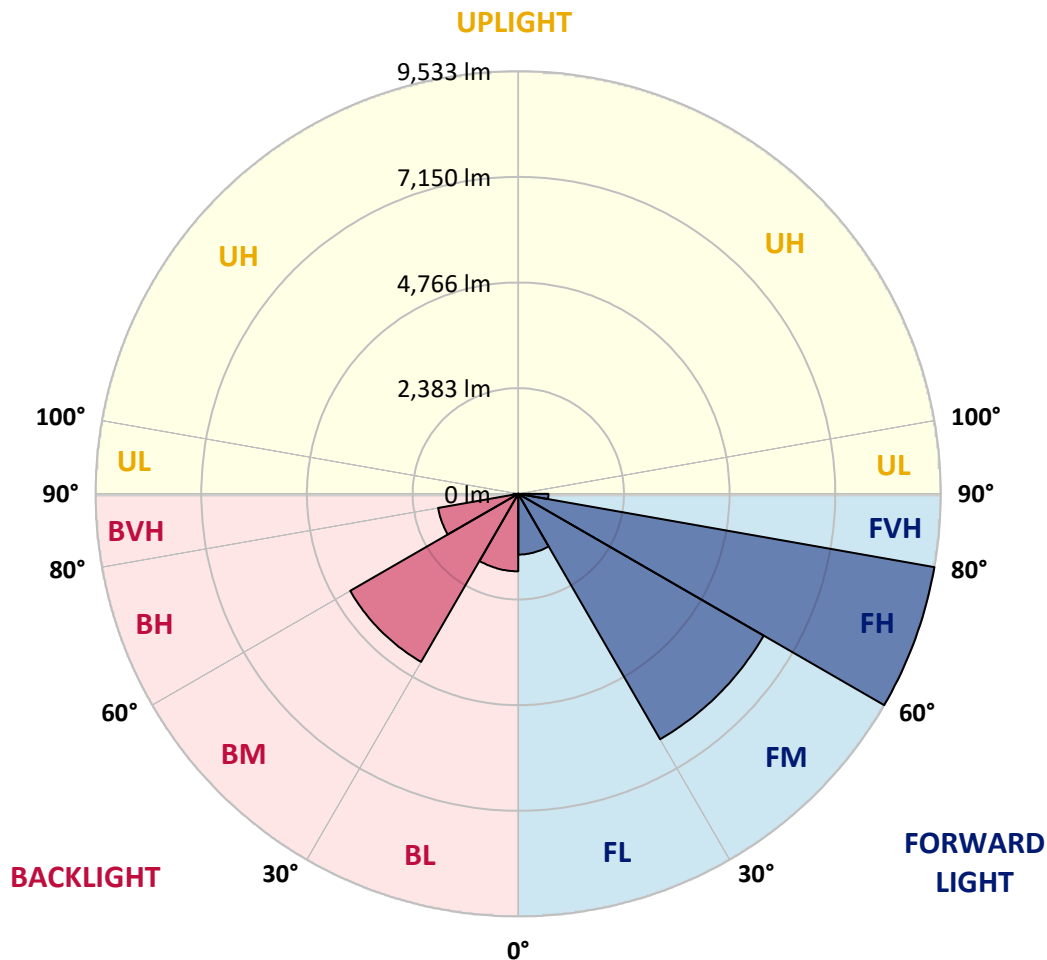


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.1	5.3			
FM (30°-60°)	6394.0	24.5			
FH (60°-80°)	9532.8	36.6			G4/12000
FVH (80°-90°)	679.9	2.6			G4/750
BL (0°-30°)	1748.1	6.7	B3/2500		
BM (30°-60°)	4377.4	16.8	B3/5000		
BH (60°-80°)	1836.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	108.6	0.4			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5
2.5°	2932.9	2949.5	2945.4	2939.8	2939.8	2941.2	2939.8	2949.5	2959.2	2968.8
5°	2963.3	2979.9	2971.6	2964.7	2959.2	2957.8	2953.6	2952.3	2957.8	2970.2
7.5°	3022.7	3039.3	3026.9	3014.4	3003.4	2997.9	2992.3	2984.0	2979.9	2986.8
10°	3089.0	3105.6	3090.4	3068.3	3050.3	3043.4	3037.9	3029.6	3024.1	3028.2
12.5°	3155.3	3171.9	3151.2	3120.8	3097.3	3093.2	3086.3	3083.5	3082.1	3080.7
15°	3217.5	3231.3	3205.1	3169.2	3144.3	3137.4	3130.5	3134.6	3141.5	3149.8
17.5°	3265.9	3279.7	3241.0	3194.0	3170.5	3167.8	3163.6	3177.4	3196.8	3217.5
20°	3310.1	3323.9	3274.1	3210.6	3183.0	3183.0	3184.4	3213.4	3241.0	3271.4
22.5°	3372.2	3383.3	3322.5	3235.5	3195.4	3198.2	3209.2	3238.2	3272.8	3314.2
25°	3464.8	3473.1	3398.5	3282.4	3236.8	3245.1	3254.8	3268.6	3301.8	3350.1
27.5°	3614.0	3620.9	3522.8	3365.3	3296.3	3310.1	3323.9	3314.2	3329.4	3370.9
30°	3824.0	3828.1	3703.8	3495.2	3397.1	3404.0	3406.8	3366.7	3337.7	3370.9
32.5°	4072.7	4071.3	3923.5	3652.7	3511.8	3504.9	3481.4	3402.6	3334.9	3363.9
35°	4458.1	4442.9	4252.3	3873.7	3641.6	3598.8	3543.5	3442.7	3348.8	3357.0
37.5°	5096.3	5049.4	4785.5	4235.7	3835.0	3725.9	3644.4	3507.6	3379.1	3354.3
40°	5816.1	5756.7	5466.6	4731.6	4125.2	3949.7	3818.5	3600.2	3428.9	3366.7
42.5°	6669.9	6585.6	6273.4	5316.0	4492.6	4238.4	4040.9	3717.6	3502.1	3406.8
45°	7718.4	7606.5	7164.4	5975.0	4955.4	4617.0	4353.1	3895.8	3614.0	3484.1
47.5°	8778.0	8805.7	8177.1	6729.3	5510.8	5083.9	4744.1	4163.8	3777.0	3608.5
50°	9904.0	9923.3	9184.2	7565.1	6140.8	5611.6	5183.4	4463.6	4003.6	3785.3
52.5°	10782.6	10785.4	10098.7	8439.6	6797.0	6191.9	5657.2	4806.2	4266.1	4020.2
55°	11332.4	11325.5	10739.8	9267.1	7551.3	6801.1	6182.2	5195.8	4586.6	4296.5
57.5°	11731.7	11711.0	11181.8	9978.6	8355.3	7520.9	6776.2	5637.9	4965.1	4625.3
60°	11883.6	11871.2	11481.6	10593.3	9200.8	8316.6	7461.5	6132.5	5394.7	5013.5
62.5°	11941.7	11965.2	11775.9	11188.8	10105.7	9198.0	8214.4	6723.7	5878.3	5452.8
65°	12146.1	12189.0	12150.3	11967.9	11128.0	10230.0	9213.2	7426.9	6406.0	5923.9
67.5°	12550.9	12593.7	12610.3	12900.4	12376.8	11516.2	10459.3	8302.8	7023.5	6412.9
70°	12541.2	12528.8	12821.7	13642.3	13940.7	13296.9	12139.2	9380.4	7759.9	6819.1
72.5°	11415.3	11315.8	12008.0	13634.0	15242.1	15156.4	14190.7	10770.2	8395.4	6868.8
75°	8563.9	8298.7	9521.3	12287.0	15459.0	16211.9	15494.9	11632.2	8244.8	6068.9
77.5°	3662.4	3395.7	4836.6	9095.8	13835.7	15155.0	14298.5	10148.5	6581.5	4013.3
80°	958.8	957.4	1461.6	4123.8	9409.4	11191.5	9818.3	6553.8	3760.4	1434.0
82.5°	396.5	386.8	537.4	1603.9	4597.6	6280.3	5125.4	2923.2	1358.0	388.2
85°	147.8	146.4	261.1	554.0	1621.9	2590.3	1874.7	747.4	338.5	189.3
87.5°	41.4	40.1	56.6	192.0	395.1	599.6	320.5	123.0	95.3	74.6
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°
2978.5	0°	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5	2978.5
2984.0	2.5°	2988.2	2995.1	3007.5	3017.2	3029.6	3043.4	3062.8	3075.2	3087.6	3095.9
2990.9	5°	3000.6	3015.8	3047.6	3079.4	3116.7	3151.2	3191.3	3220.3	3243.8	3250.7
3015.8	7.5°	3028.2	3053.1	3107.0	3160.9	3220.3	3276.9	3334.9	3384.7	3424.7	3439.9
3060.0	10°	3076.6	3109.8	3185.7	3261.7	3340.5	3427.5	3502.1	3573.9	3630.6	3654.1
3112.5	12.5°	3137.4	3178.8	3278.3	3383.3	3492.4	3612.6	3709.3	3797.7	3868.2	3900.0
3185.7	15°	3216.1	3270.0	3397.1	3538.0	3698.3	3865.4	3988.4	4086.5	4165.2	4203.9
3261.7	17.5°	3301.8	3373.6	3533.9	3746.6	3976.0	4195.6	4339.3	4411.1	4492.6	4529.9
3332.2	20°	3384.7	3473.1	3702.4	4011.9	4317.2	4550.7	4666.7	4686.0	4691.6	4695.7
3398.5	22.5°	3470.3	3589.1	3913.8	4346.2	4673.6	4835.2	4851.8	4768.9	4652.9	4599.0
3463.4	25°	3564.3	3721.8	4190.1	4715.1	4980.3	4999.6	4872.5	4670.8	4451.2	4350.3
3515.9	27.5°	3655.4	3875.1	4521.6	5067.3	5201.3	5031.4	4757.9	4471.9	4206.7	4100.3
3553.2	30°	3746.6	4050.6	4887.7	5375.4	5302.2	4952.7	4576.9	4257.8	3991.1	3879.2
3586.4	32.5°	3839.2	4255.0	5309.1	5597.8	5284.2	4785.5	4351.7	4017.4	3782.5	3665.1
3615.4	35°	3944.2	4506.4	5708.3	5719.4	5164.0	4539.6	4054.7	3730.0	3525.6	3431.6
3649.9	37.5°	4080.9	4825.6	6060.6	5749.8	4954.1	4179.0	3685.8	3390.2	3221.7	3178.8
3701.0	40°	4250.9	5209.6	6330.0	5701.4	4643.2	3741.1	3282.4	3046.2	2950.9	2960.5
3770.1	42.5°	4471.9	5639.3	6519.3	5577.1	4210.8	3289.3	2928.8	2823.8	2869.4	2908.1
3873.7	45°	4759.3	6085.5	6636.7	5365.7	3721.8	2906.7	2720.2	2745.0	2779.6	2783.7
4040.9	47.5°	5126.7	6537.2	6714.1	5046.6	3223.0	2637.3	2587.5	2593.1	2586.2	2557.2
4290.9	50°	5585.4	6976.6	6783.2	4623.9	2798.9	2468.7	2402.4	2383.1	2287.8	2193.8
4623.9	52.5°	6107.6	7380.0	6812.2	4098.9	2468.7	2327.8	2220.1	2098.5	1920.3	1891.3
5042.5	55°	6687.8	7753.0	6737.6	3453.7	2191.1	2146.8	1983.8	1837.4	1818.1	1793.2
5593.7	57.5°	7381.3	8155.0	6585.6	2734.0	1906.5	1935.5	1776.6	1793.2	1758.6	1720.0
6302.4	60°	8139.8	8570.8	6319.0	2077.8	1612.2	1671.6	1722.7	1721.3	1711.7	1679.9
7049.8	62.5°	8822.2	8844.3	5794.0	1591.5	1353.9	1467.2	1606.7	1605.3	1597.0	1579.1
7830.3	65°	9228.4	8802.9	4918.1	1253.0	1141.1	1298.6	1449.2	1460.2	1461.6	1460.2
8417.5	67.5°	9156.6	8318.0	3716.2	997.4	965.7	1127.3	1293.1	1308.3	1319.3	1322.1
8492.1	70°	8344.2	7252.9	2423.1	795.7	809.6	976.7	1145.3	1160.5	1170.1	1181.2
7368.9	72.5°	6504.1	5332.6	1387.0	643.8	672.8	846.9	998.8	1016.8	1022.3	1043.0
5128.1	75°	3963.5	3136.0	748.8	507.0	552.6	723.9	853.8	874.5	884.2	909.0
2518.5	77.5°	1884.4	1358.0	426.9	395.1	444.8	591.3	721.1	744.6	718.4	732.2
694.9	80°	636.9	504.2	269.4	301.2	339.8	461.4	577.5	601.0	545.7	542.9
230.7	82.5°	222.4	204.5	171.3	200.3	219.7	330.2	436.6	466.9	406.2	404.8
103.6	85°	87.0	82.9	95.3	109.1	131.2	203.1	287.4	302.5	250.1	201.7
30.4	87.5°	18.0	19.3	23.5	24.9	40.1	70.5	103.6	127.1	100.8	85.7
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>
2978.5
3090.4
3253.4
3441.3
3655.4
3900.0
4201.1
4528.5
4706.8
4614.2
4365.5
4112.7
3891.7
3680.3
3452.4
3209.2
2993.7
2944.0
2811.3
2579.3
2206.3
1900.9
1797.3
1713.1
1668.8
1572.1
1460.2
1324.9
1186.7
1051.3
<i>911.8</i>
721.1
537.4
385.4
198.9
78.7
0.0

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