

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: P852868

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

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852868  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
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-HSS  
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 WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23332 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

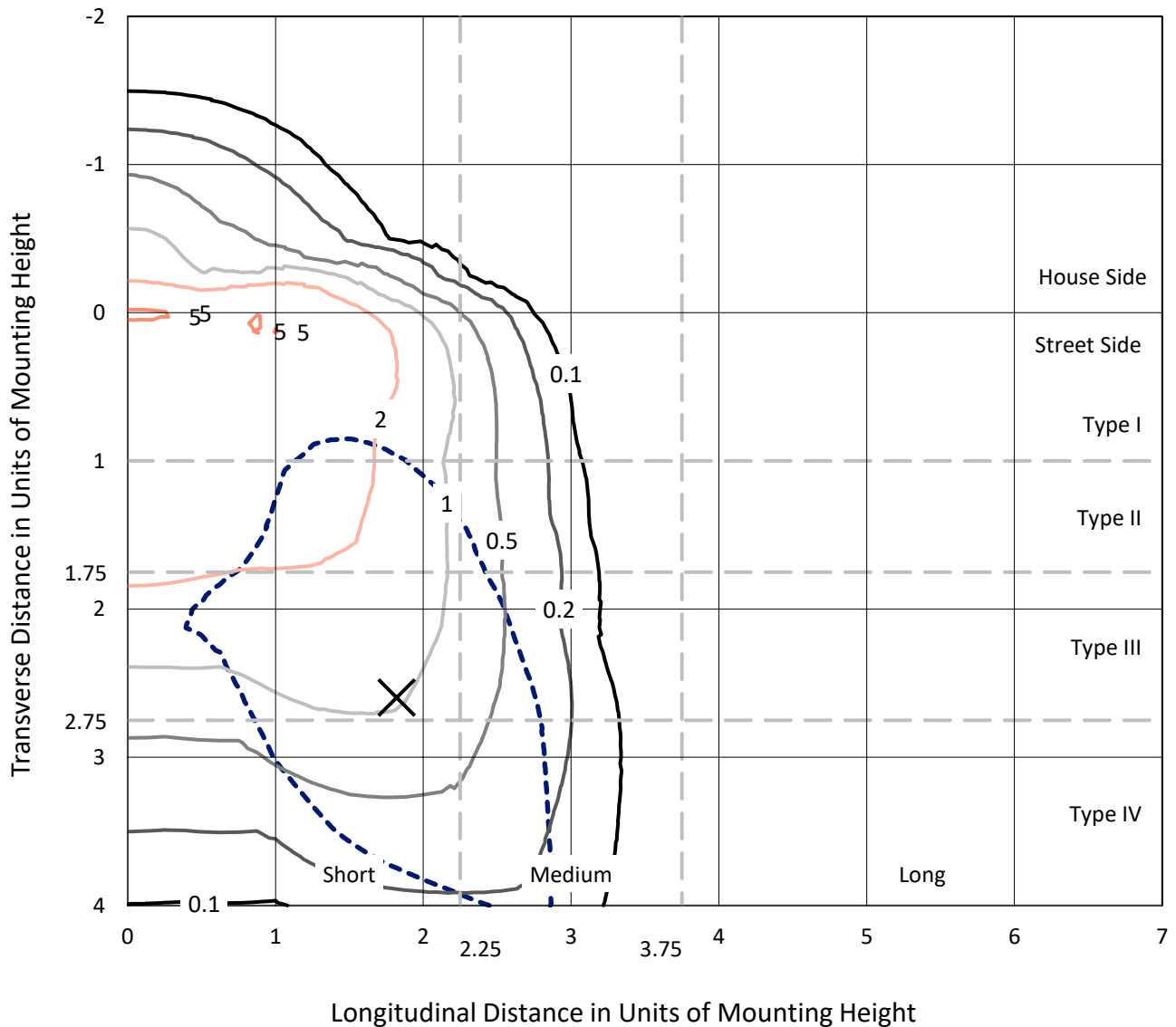
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

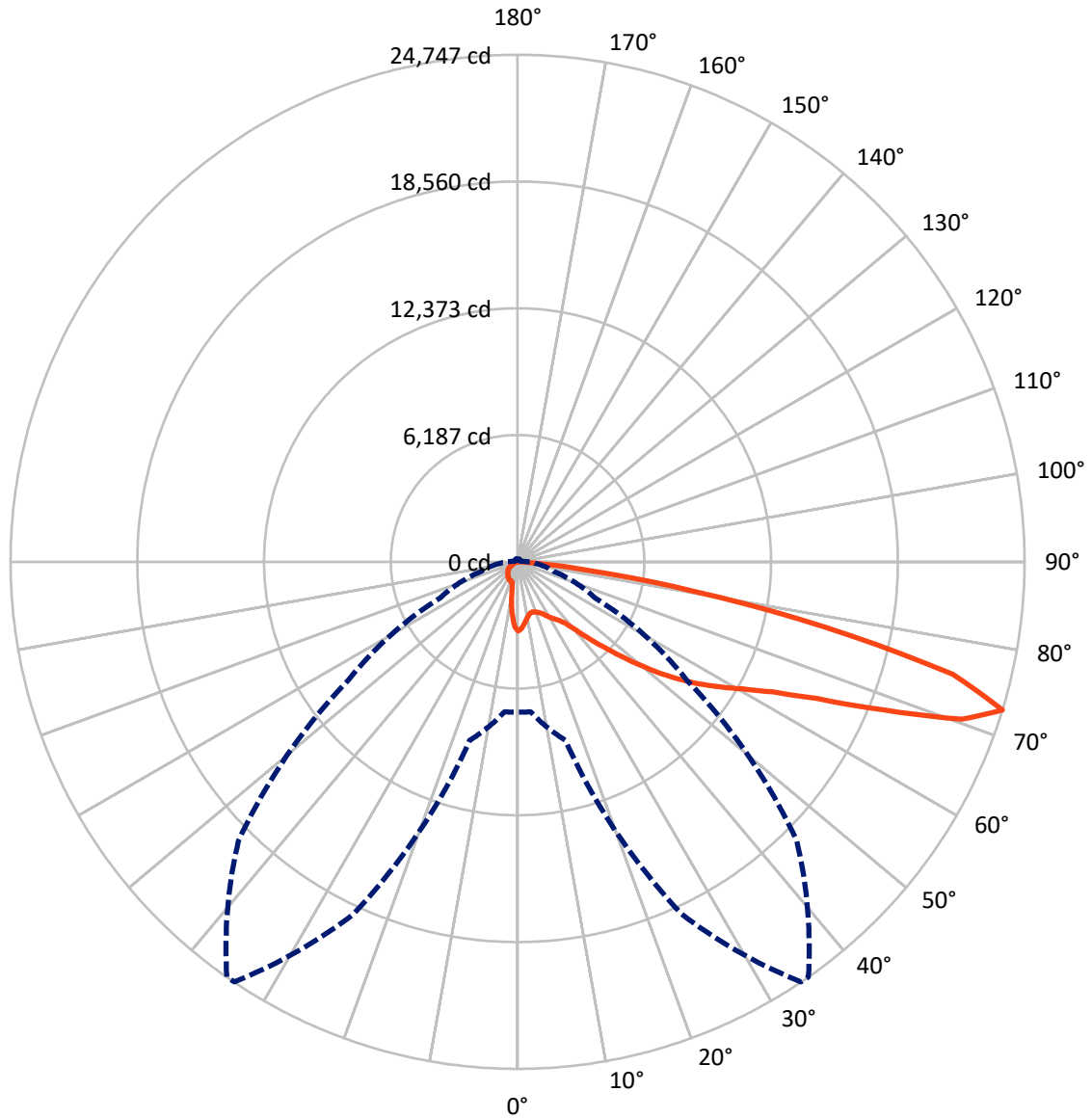
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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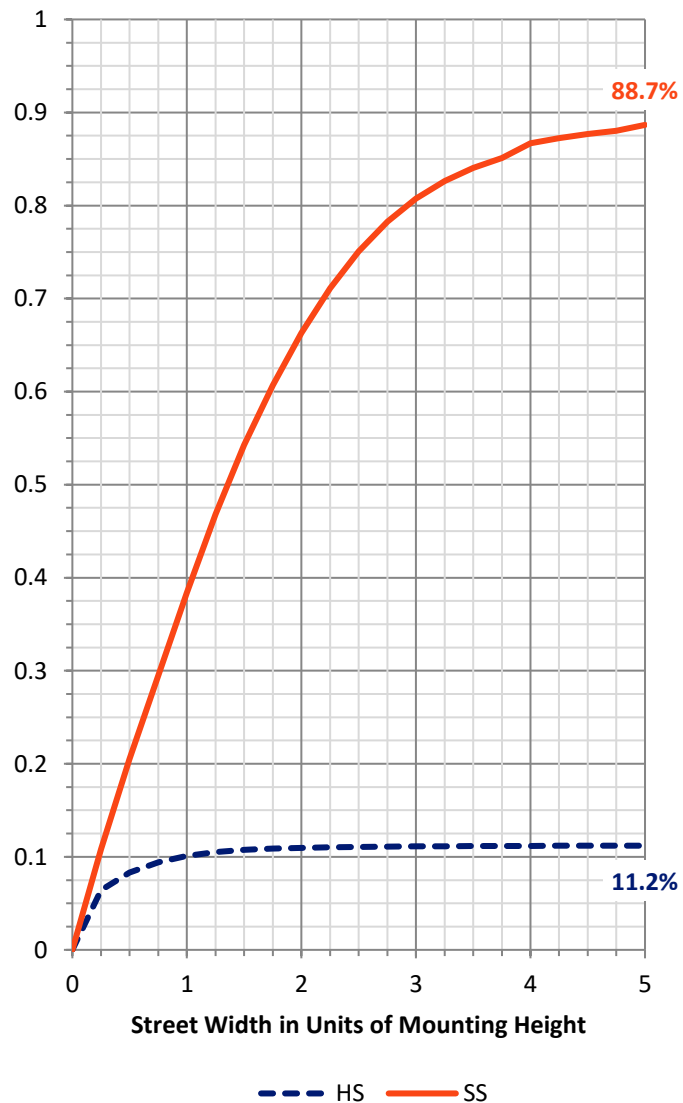
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2625.9	0.0	2625.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	20706.1	0.0	20706.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	23332.0	0.0	23332.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.9	1.2
10°-20°	650.1	2.8
20°-30°	1056.0	4.5
30°-40°	1761.9	7.6
40°-50°	3333.6	14.3
50°-60°	5297.1	22.7
60°-70°	6552.9	28.1
70°-80°	4073.3	17.5
80°-90°	329.2	1.4
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°	23332.0	100.0
0°-180°	23332.0	100.0

**Coefficient of Utilization**



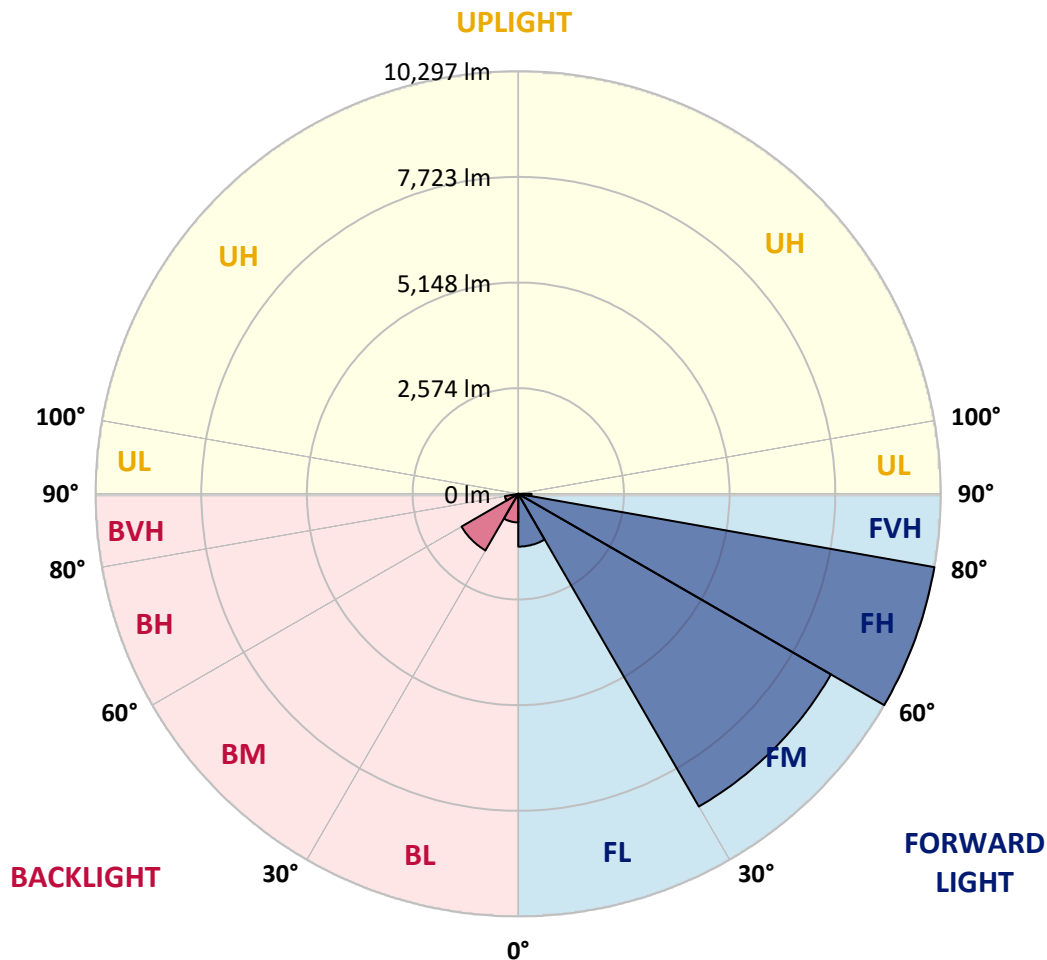
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1286.2	5.5			
FM (30°-60°)	8798.5	37.7			
FH (60°-80°)	10296.7	44.1			G4/12000
FVH (80°-90°)	324.7	1.4			G3/500
BL (0°-30°)	697.8	3.0	B2/1000		
BM (30°-60°)	1594.2	6.8	B2/2500		
BH (60°-80°)	329.5	1.4	B1/500		G1/500
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6
2.5°	3231.1	3258.5	3263.6	3272.2	3272.2	3282.4	3299.5	3323.5	3362.8	3383.3
5°	2978.1	2998.6	3024.3	3044.8	3084.1	3089.2	3155.9	3220.9	3311.5	3379.9
7.5°	2723.4	2747.3	2781.5	2831.1	2882.4	2897.8	2998.6	3108.1	3251.7	3379.9
10°	2543.9	2545.6	2576.4	2625.9	2708.0	2726.8	2849.9	3005.5	3185.0	3359.4
12.5°	2443.0	2455.0	2468.7	2506.3	2584.9	2596.9	2728.5	2911.4	3118.3	3347.4
15°	2443.0	2451.6	2460.1	2478.9	2542.2	2552.4	2668.7	2851.6	3084.1	3352.5
17.5°	2468.7	2482.3	2475.5	2497.7	2564.4	2571.2	2673.8	2834.5	3082.4	3385.0
20°	2530.2	2540.5	2526.8	2540.5	2607.1	2620.8	2726.8	2867.0	3111.5	3441.4
22.5°	2627.7	2632.8	2600.3	2610.6	2678.9	2696.0	2819.1	2959.3	3181.6	3532.0
25°	2750.7	2761.0	2711.4	2723.4	2788.4	2808.9	2950.8	3097.8	3292.7	3656.8
27.5°	2892.6	2897.8	2855.0	2853.3	2937.1	2966.2	3109.8	3268.8	3441.4	3814.1
30°	3055.1	3070.4	3029.4	3022.6	3128.6	3152.5	3294.4	3479.0	3660.3	4050.0
32.5°	3183.3	3195.2	3171.3	3188.4	3296.1	3314.9	3518.4	3776.5	4003.9	4385.1
35°	3367.9	3374.8	3320.0	3350.8	3473.9	3521.8	3824.4	4193.6	4436.4	4805.7
37.5°	4036.4	4036.4	3803.9	3651.7	3769.7	3812.4	4243.2	4718.5	4969.8	5369.9
40°	4961.3	4945.9	4605.7	4294.5	4279.1	4362.9	4839.9	5380.1	5658.8	6046.9
42.5°	5947.7	5923.8	5460.5	5152.7	5101.4	5130.5	5528.8	6195.6	6479.4	6872.6
45°	6823.0	6816.2	6392.2	5978.5	5886.2	5978.5	6388.8	7149.5	7353.0	7766.7
47.5°	7556.4	7556.4	7247.0	6976.9	6929.0	6983.7	7553.0	8207.8	8189.0	8719.0
50°	8401.0	8394.1	8100.1	7983.8	8033.4	8110.3	8893.3	9322.4	9054.0	9654.1
52.5°	8992.5	9033.5	8932.7	8913.9	9166.9	9300.2	10254.2	10413.2	9828.5	10541.4
55°	9460.9	9508.8	9625.0	9756.7	10243.9	10418.3	11572.3	11447.5	10476.4	11310.7
57.5°	10124.3	10055.9	10235.4	10495.2	11283.4	11493.6	12849.4	12423.7	10997.9	11934.7
60°	10929.5	10939.7	10970.5	11298.7	12321.1	12591.2	14107.6	13346.8	11332.9	12317.7
62.5°	11897.1	11912.5	11975.7	12480.1	13714.4	13969.1	15447.9	14102.5	11486.8	12210.0
65°	11830.4	11895.4	12601.5	14326.4	15832.6	16083.9	17012.2	14632.5	11254.3	11225.2
67.5°	10777.3	10883.3	12064.6	16531.8	19026.1	19306.5	18903.0	14736.8	10250.8	8729.2
70°	9396.0	9433.6	10854.3	18515.0	22724.0	23007.8	20595.6	13589.6	7778.7	4868.9
72.5°	7337.6	7346.2	9013.0	18974.9	24731.1	24746.5	19267.2	10088.4	4183.4	1870.3
75°	5241.6	5190.3	6036.6	15388.1	21758.1	21932.5	14444.4	4732.2	1598.5	883.9
77.5°	2810.6	2867.0	3415.8	9125.8	15030.8	15328.3	7881.3	1364.3	813.8	601.8
80°	868.5	916.3	1400.2	4178.3	8513.8	8693.3	2921.7	606.9	567.6	429.1
82.5°	273.5	283.8	653.1	1755.8	3533.7	3615.8	846.3	343.6	388.1	283.8
85°	78.6	80.4	290.6	654.8	873.6	890.7	237.6	133.3	222.2	176.1
87.5°	8.5	27.4	109.4	109.4	76.9	75.2	25.6	29.1	63.3	22.2
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°
3381.6	0°	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6	3381.6
3397.0	2.5°	3388.4	3390.1	3367.9	3330.3	3289.3	3255.1	3212.3	3178.1	3154.2	3147.4
3427.7	5°	3412.4	3400.4	3337.1	3222.6	3085.8	2967.9	2836.2	2731.9	2663.6	2634.5
3460.2	7.5°	3448.3	3414.1	3275.6	3049.9	2788.4	2555.9	2319.9	2137.0	2020.7	1962.6
3491.0	10°	3479.0	3410.7	3173.0	2800.3	2400.3	2048.1	1730.1	1509.6	1386.5	1328.4
3526.9	12.5°	3508.1	3408.9	3039.7	2504.6	1962.6	1531.8	1236.0	1126.6	1092.4	1080.5
3585.0	15°	3562.8	3414.1	2872.1	2166.1	1526.7	1157.4	1049.7	1048.0	1054.8	1051.4
3673.9	17.5°	3638.0	3419.2	2682.4	1807.0	1177.9	1020.6	1015.5	1030.9	1041.1	1036.0
3785.1	20°	3735.5	3439.7	2480.6	1451.5	1012.1	986.4	998.4	1012.1	1020.6	1012.1
3933.8	22.5°	3872.2	3475.6	2260.1	1165.9	959.1	965.9	976.2	991.6	1000.1	988.1
4123.6	25°	4039.8	3532.0	2043.0	1013.8	933.4	942.0	957.4	974.5	984.7	972.8
4362.9	27.5°	4256.9	3622.6	1842.9	979.6	907.8	912.9	935.2	960.8	974.5	959.1
4703.1	30°	4571.5	3771.4	1670.3	995.0	892.4	880.4	911.2	947.1	962.5	948.8
5166.4	32.5°	4988.6	3981.7	1564.3	1018.9	885.6	842.8	871.9	918.1	943.7	935.2
5771.6	35°	5535.7	4301.4	1523.3	1046.3	880.4	803.5	824.0	873.6	918.1	926.6
6534.1	37.5°	6199.0	4745.8	1535.2	1058.2	865.1	771.0	781.3	824.0	882.2	909.5
7392.3	40°	6952.9	5263.9	1603.6	1046.3	848.0	743.7	745.4	777.9	829.2	870.2
8315.5	42.5°	7730.8	5869.1	1730.1	1001.8	832.6	719.7	714.6	736.8	771.0	800.1
9237.0	45°	8471.1	6491.4	1854.9	940.3	813.8	695.8	683.8	692.4	699.2	711.2
10134.5	47.5°	9117.3	6929.0	1819.0	883.9	788.1	668.5	647.9	644.5	624.0	622.3
10936.3	50°	9563.5	7024.7	1615.6	827.4	750.5	637.7	605.2	584.7	548.8	531.7
11536.4	52.5°	9705.4	6646.9	1319.8	771.0	689.0	596.7	550.5	518.0	473.6	458.2
11881.7	55°	9517.3	5906.7	1054.8	702.6	603.5	541.9	490.7	447.9	412.0	393.2
11919.3	57.5°	9057.5	4964.7	834.3	622.3	512.9	480.4	429.1	386.4	355.6	336.8
11502.2	60°	8295.0	3942.3	659.9	526.6	437.7	413.7	360.7	333.4	306.0	283.8
10425.1	62.5°	7137.6	2814.0	518.0	417.1	365.9	338.5	307.7	287.2	254.7	224.0
8488.2	65°	5569.9	1721.6	400.0	306.0	294.1	280.4	261.6	242.8	203.4	172.7
5537.4	67.5°	3513.2	815.5	285.5	230.8	232.5	225.7	217.1	201.7	172.7	145.3
2480.6	70°	1547.2	394.9	188.1	176.1	172.7	172.7	179.5	174.4	147.0	121.4
861.6	72.5°	526.6	212.0	140.2	133.3	124.8	123.1	150.4	145.3	118.0	94.0
429.1	75°	275.2	141.9	102.6	95.7	75.2	90.6	119.7	112.8	83.8	61.5
283.8	77.5°	179.5	100.9	70.1	61.5	42.7	59.8	88.9	78.6	49.6	30.8
186.3	80°	112.8	66.7	41.0	29.1	20.5	32.5	47.9	34.2	18.8	6.8
109.4	82.5°	59.8	34.2	15.4	10.3	8.5	10.3	12.0	8.5	3.4	0.0
56.4	85°	23.9	12.0	5.1	3.4	1.7	0.0	3.4	1.7	0.0	0.0
10.3	87.5°	8.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3381.6
3159.3
2644.8
1971.2
1330.1
1077.0
1049.7
1034.3
1010.4
986.4
971.1
959.1
947.1
935.2
926.6
916.3
883.9
812.1
718.0
620.6
533.4
456.5
393.2
333.4
278.7
218.8
167.5
141.9
116.3
88.9
56.4
27.4
5.1
0.0
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