

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: P846307

Luminaire Tested: **GLAN-SB1D-840-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846307  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-840-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7100 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

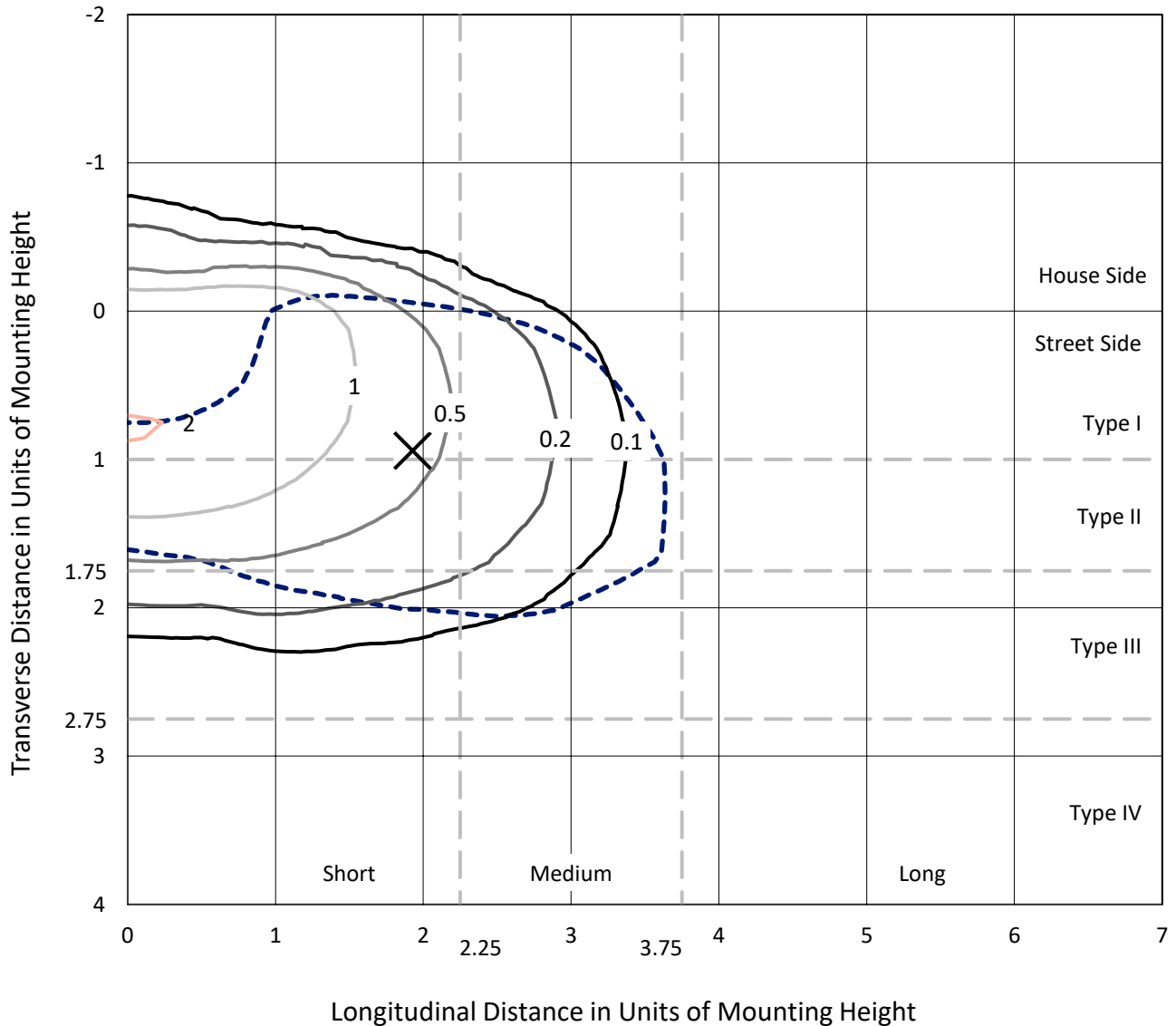
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

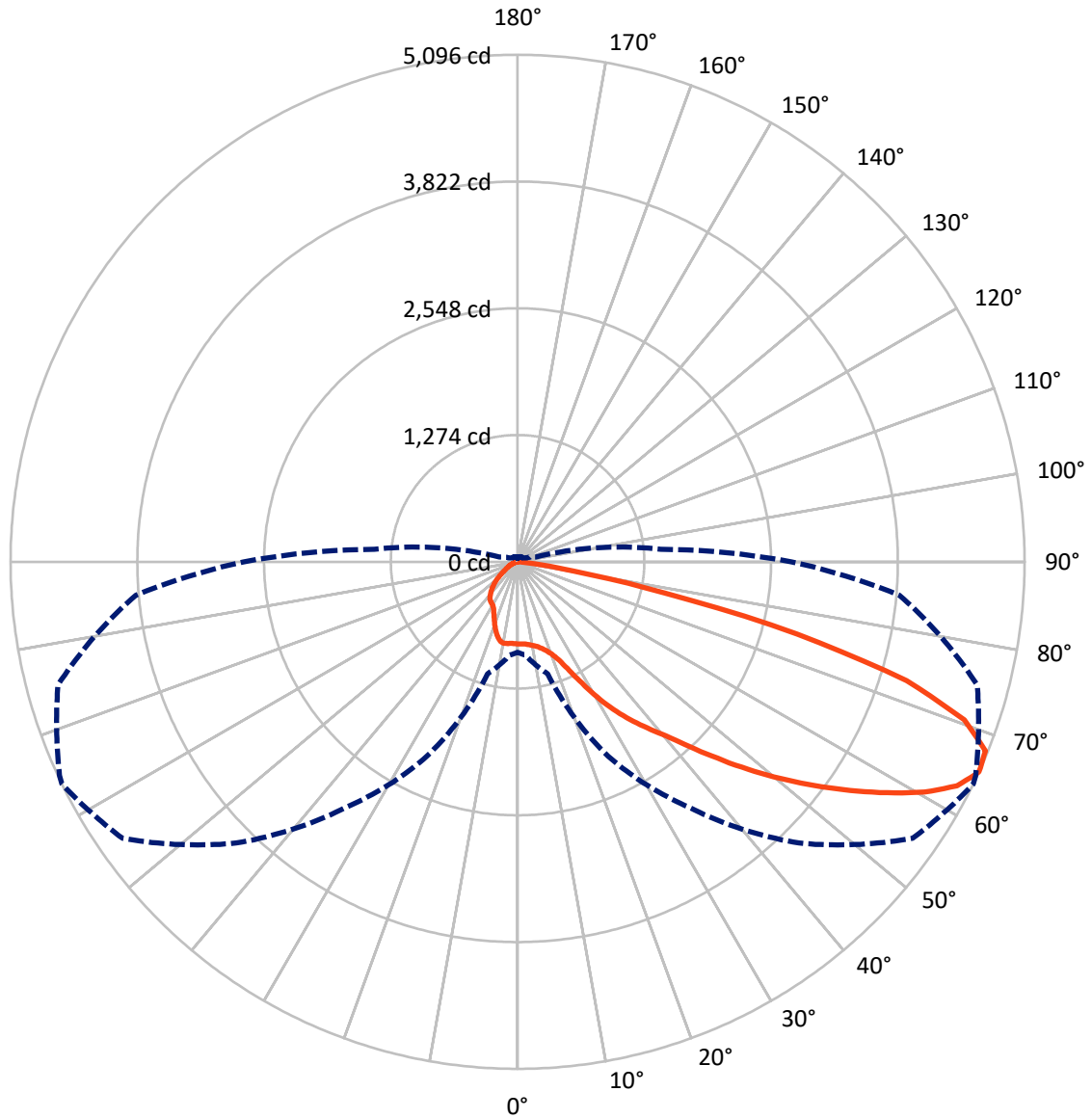
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	949.5	0.0	949.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	6150.5	0.0	6150.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	7100.0	0.0	7100.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.2	1.1
10°-20°	206.6	2.9
20°-30°	391.6	5.5
30°-40°	792.4	11.2
40°-50°	1349.8	19.0
50°-60°	1835.6	25.9
60°-70°	1723.7	24.3
70°-80°	690.6	9.7
80°-90°	33.5	0.5
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°	7100.0	100.0
0°-180°	7100.0	100.0

**Coefficient of Utilization**



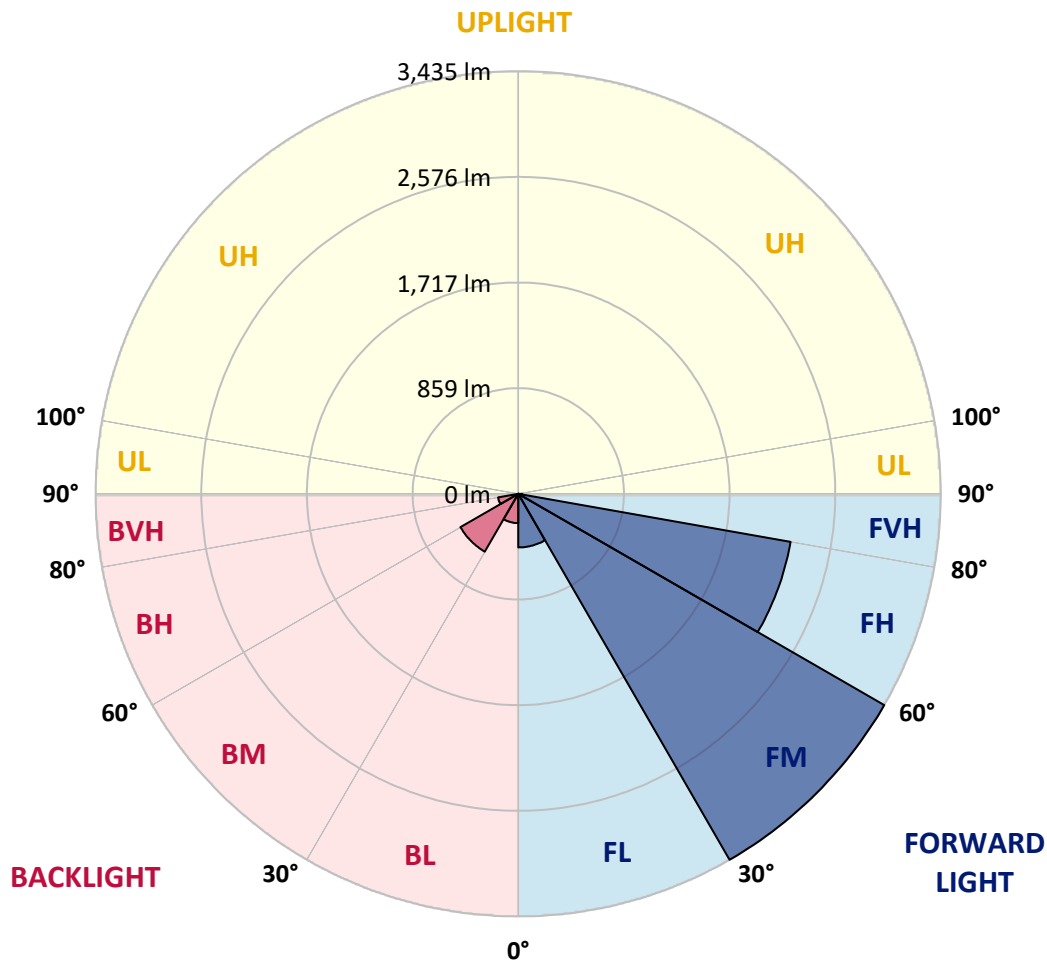
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.0	6.1			
FM (30°-60°)	3435.0	48.4			
FH (60°-80°)	2247.7	31.7			G2/5000
FVH (80°-90°)	31.8	0.4			G1/100
BL (0°-30°)	238.4	3.4	B1/500		
BM (30°-60°)	542.8	7.6	B1/1000		
BH (60°-80°)	166.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	825.8	825.8	825.8	825.8	825.8	825.8	825.8	825.8	825.8	825.8
2.5°	822.9	828.7	827.2	825.8	825.3	826.3	826.8	826.3	826.3	826.3
5°	807.2	812.0	812.0	815.3	820.1	825.8	830.1	831.0	832.0	833.4
7.5°	777.3	781.1	783.9	794.9	806.8	822.0	834.8	841.5	842.5	847.7
10°	756.8	761.5	766.3	777.7	794.9	817.7	839.6	855.8	858.2	870.5
12.5°	755.8	760.6	766.8	779.2	799.1	823.4	850.1	873.4	877.7	895.8
15°	765.8	771.5	777.3	792.5	813.9	843.4	872.0	901.0	905.3	931.0
17.5°	786.3	793.9	798.2	813.4	836.3	869.1	906.7	940.0	943.8	973.8
20°	826.8	835.8	837.2	849.6	872.0	907.2	951.9	993.3	998.1	1032.4
22.5°	910.5	923.4	912.0	918.1	938.1	973.4	1021.9	1074.3	1080.9	1120.0
25°	1058.1	1076.2	1046.7	1036.2	1044.7	1081.4	1142.3	1208.5	1216.1	1247.5
27.5°	1347.9	1324.6	1279.9	1236.1	1210.4	1231.3	1299.9	1381.7	1391.3	1421.7
30°	1666.4	1645.9	1585.4	1488.4	1427.4	1424.1	1487.4	1578.8	1589.7	1618.8
32.5°	1985.3	1965.7	1900.1	1780.6	1674.9	1622.6	1666.4	1767.7	1773.5	1792.0
35°	2298.9	2278.9	2213.2	2090.9	1961.0	1842.0	1833.4	1947.7	1949.6	1969.1
37.5°	2614.5	2597.8	2527.9	2407.9	2279.9	2115.7	2036.2	2118.1	2120.4	2139.5
40°	2839.6	2846.8	2798.7	2705.9	2595.9	2416.5	2263.7	2299.4	2285.1	2317.0
42.5°	3032.9	3047.1	3005.3	2958.6	2894.8	2736.8	2545.5	2539.3	2516.4	2533.6
45°	3199.9	3211.8	3174.2	3163.3	3161.9	3051.0	2853.4	2816.3	2784.4	2781.1
47.5°	3261.3	3284.2	3300.4	3337.0	3408.4	3361.8	3171.8	3114.3	3078.6	3052.4
50°	3284.7	3308.9	3364.1	3470.8	3639.7	3659.7	3488.8	3424.1	3380.3	3332.7
52.5°	3253.2	3296.6	3370.8	3550.2	3795.4	3898.7	3793.0	3736.3	3686.4	3608.8
55°	3068.1	3111.4	3263.2	3549.3	3872.9	4066.2	4080.5	4055.2	3999.1	3876.8
57.5°	2677.8	2742.0	2982.4	3428.4	3871.5	4210.4	4362.2	4380.3	4317.5	4142.3
60°	2137.1	2224.2	2517.4	3160.4	3752.1	4288.5	4609.3	4699.7	4633.1	4404.1
62.5°	1491.2	1592.1	1869.6	2740.6	3478.8	4232.3	4789.7	4956.7	4906.3	4638.3
65°	909.6	941.9	1165.6	2156.6	3014.3	3997.2	4845.3	5095.7	5079.0	4781.6
67.5°	605.9	633.0	697.3	1478.8	2339.9	3527.4	4712.1	5071.4	5076.2	4758.2
70°	365.1	388.4	430.3	860.1	1516.4	2792.0	4299.4	4762.1	4789.7	4446.5
72.5°	150.4	166.1	204.2	389.8	785.3	1772.0	3423.6	4088.6	4152.8	3738.7
75°	85.2	93.3	119.9	195.6	340.8	825.8	2073.8	2902.5	2997.2	2576.9
77.5°	56.6	60.4	77.6	126.6	191.8	281.8	886.3	1512.1	1693.0	1407.4
80°	38.1	41.4	53.3	84.7	124.7	120.9	282.2	560.2	689.2	483.6
82.5°	25.7	26.2	38.1	55.7	79.0	58.5	83.3	174.2	218.9	139.9
85°	14.8	14.3	28.1	32.4	35.2	24.3	25.2	52.4	68.5	59.0
87.5°	1.9	2.9	10.9	8.6	4.8	5.2	5.2	9.0	13.3	14.3
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°
825.8	0°	825.8	825.8	825.8	825.8	825.8	825.8	825.8	825.8	825.8	825.8
826.8	2.5°	826.8	826.3	824.9	823.4	820.1	818.2	819.1	818.2	817.7	818.2
832.9	5°	832.9	831.5	827.7	822.9	816.3	808.2	803.0	795.3	788.2	783.9
849.6	7.5°	849.6	848.2	842.9	829.6	808.2	774.4	743.5	716.3	695.9	684.0
876.3	10°	876.3	873.9	865.8	836.3	780.1	706.3	644.9	594.0	560.7	545.0
907.7	12.5°	907.7	904.8	890.5	830.1	726.8	611.6	526.9	470.3	439.3	425.5
943.8	15°	944.8	941.0	912.9	800.6	649.2	506.9	429.3	387.0	367.0	354.6
990.0	17.5°	991.0	984.3	929.6	756.3	565.0	426.9	369.4	337.5	319.9	308.0
1050.5	20°	1050.9	1040.0	942.9	703.5	487.4	376.5	328.9	302.2	288.9	278.4
1136.1	22.5°	1134.7	1119.0	959.1	646.4	432.7	341.7	298.9	279.4	268.4	256.5
1255.6	25°	1238.5	1219.9	979.1	593.5	395.1	311.8	277.0	260.8	248.0	234.2
1412.2	27.5°	1383.6	1350.3	1002.9	550.2	362.7	286.1	257.0	238.9	224.2	212.8
1589.7	30°	1545.5	1490.7	1023.8	524.0	333.2	262.3	230.8	212.8	199.0	190.9
1749.2	32.5°	1698.7	1624.5	1037.6	512.6	306.5	235.1	202.3	182.8	172.3	169.9
1905.3	35°	1843.4	1745.4	1036.2	501.7	282.7	208.0	174.2	154.2	146.1	147.5
2073.3	37.5°	2010.0	1874.4	1026.2	484.5	263.2	183.2	149.9	132.3	125.2	125.7
2277.5	40°	2203.7	2023.3	1020.0	452.2	241.8	160.4	129.9	115.7	110.4	108.5
2492.6	42.5°	2410.3	2167.6	1021.0	415.5	215.1	139.9	116.1	104.2	99.5	98.0
2732.1	45°	2617.8	2305.1	1022.4	377.4	187.1	124.2	106.1	96.1	93.3	91.4
2974.8	47.5°	2813.0	2422.2	995.7	336.5	159.4	112.3	98.0	91.4	89.0	86.6
3218.5	50°	2994.8	2500.3	931.5	288.9	137.6	102.8	91.9	87.1	84.7	82.3
3439.3	52.5°	3136.2	2512.6	825.3	239.9	122.3	95.7	88.1	83.8	80.9	78.5
3617.8	55°	3199.0	2435.1	674.4	194.2	110.4	89.5	84.2	80.0	76.6	74.3
3758.2	57.5°	3182.8	2271.8	525.9	156.1	99.0	83.3	79.5	76.6	72.8	69.0
3872.0	60°	3103.3	2053.3	396.5	129.9	88.5	76.6	74.3	71.9	66.6	60.9
3915.8	62.5°	2965.8	1778.7	282.7	107.6	77.1	69.0	68.1	66.2	58.5	48.1
3851.1	65°	2755.4	1445.0	190.4	89.5	66.2	60.4	60.9	57.6	47.6	35.7
3614.0	67.5°	2447.9	1056.6	121.8	73.3	55.2	50.5	50.9	49.0	40.5	30.5
3164.7	70°	2056.2	699.7	79.5	55.7	44.3	39.0	41.9	42.4	34.3	24.8
2428.9	72.5°	1507.4	413.1	55.7	41.4	32.4	27.1	34.3	35.2	27.6	18.6
1461.2	75°	859.1	196.1	41.9	30.0	20.0	19.0	26.7	26.7	19.0	12.4
632.6	77.5°	360.8	81.9	29.5	19.5	11.4	10.9	18.1	16.7	9.5	5.7
154.2	80°	104.2	36.6	15.7	9.5	4.8	4.3	7.1	5.2	2.4	1.0
58.5	82.5°	40.9	16.2	6.2	3.8	1.9	1.9	1.0	0.0	0.0	0.0
33.3	85°	24.3	6.7	2.9	1.4	0.5	0.0	0.0	0.0	0.0	0.0
7.1	87.5°	6.2	1.4	1.0	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



180°
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825.8
820.1
784.9
684.4
543.6
424.1
355.1
307.0
276.5
254.6
232.7
210.4
189.4
171.3
147.5
127.6
108.0
97.6
91.4
86.6
82.3
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