

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: P850455

Luminaire Tested: **GLAN-SB8A-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850455  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20712 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

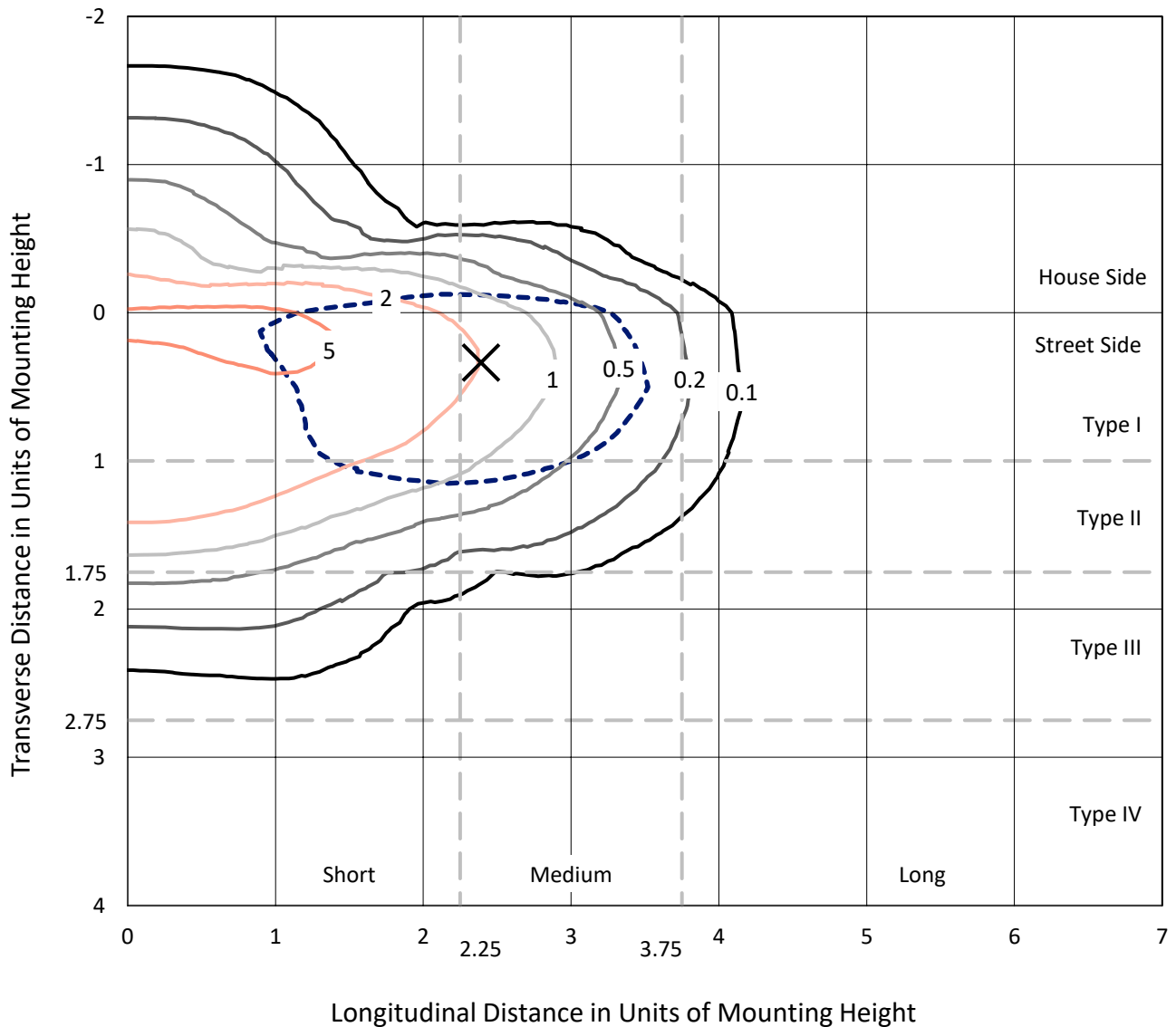
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

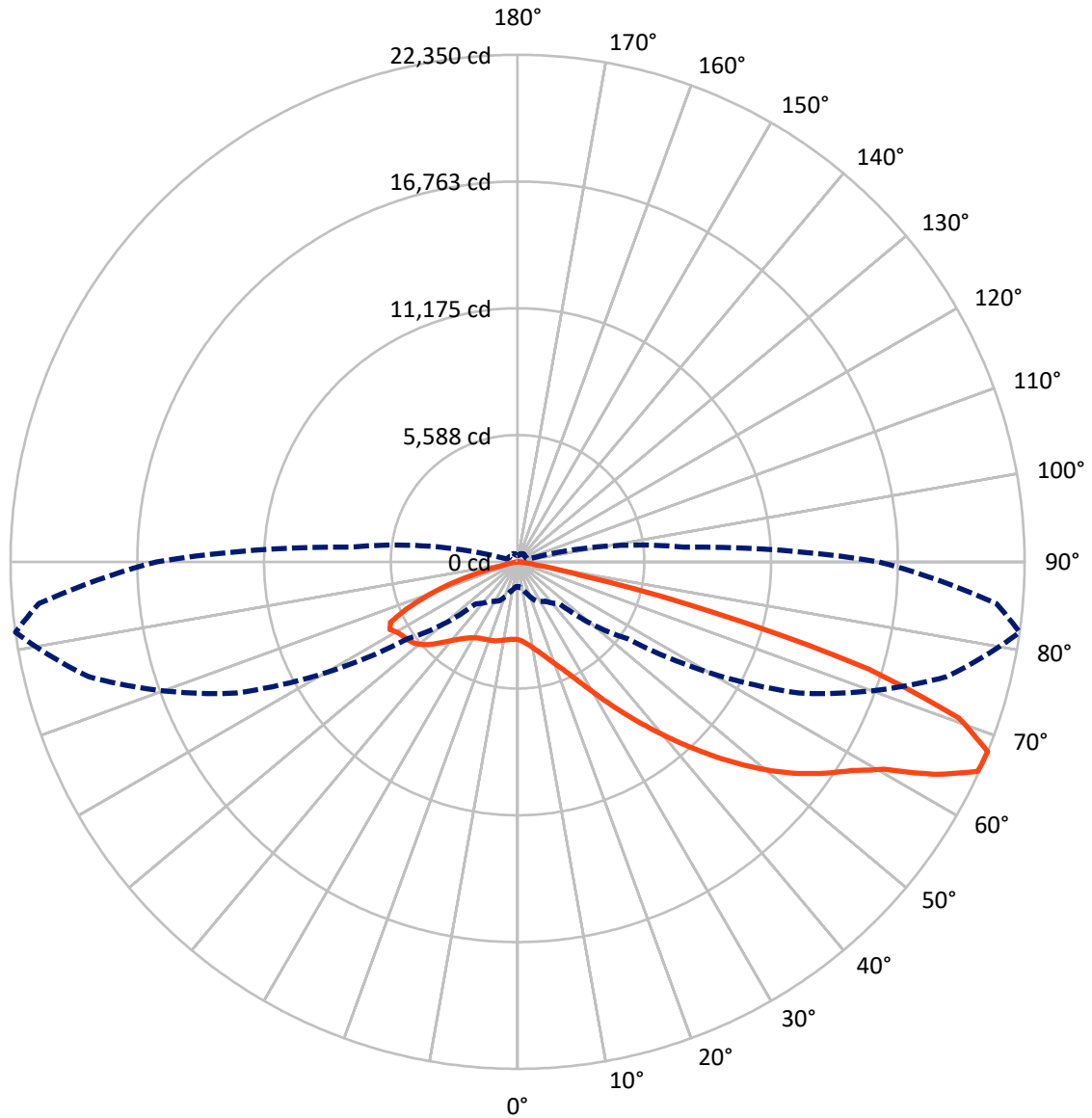
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3751.8	0.0	3751.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	16960.2	0.0	16960.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	20712.0	0.0	20712.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.7	1.5
10°-20°	794.4	3.8
20°-30°	1272.4	6.1
30°-40°	2249.9	10.9
40°-50°	3942.1	19.0
50°-60°	5257.7	25.4
60°-70°	4894.6	23.6
70°-80°	1878.6	9.1
80°-90°	116.7	0.6
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°	20712.0	100.0
0°-180°	20712.0	100.0

**Coefficient of Utilization**

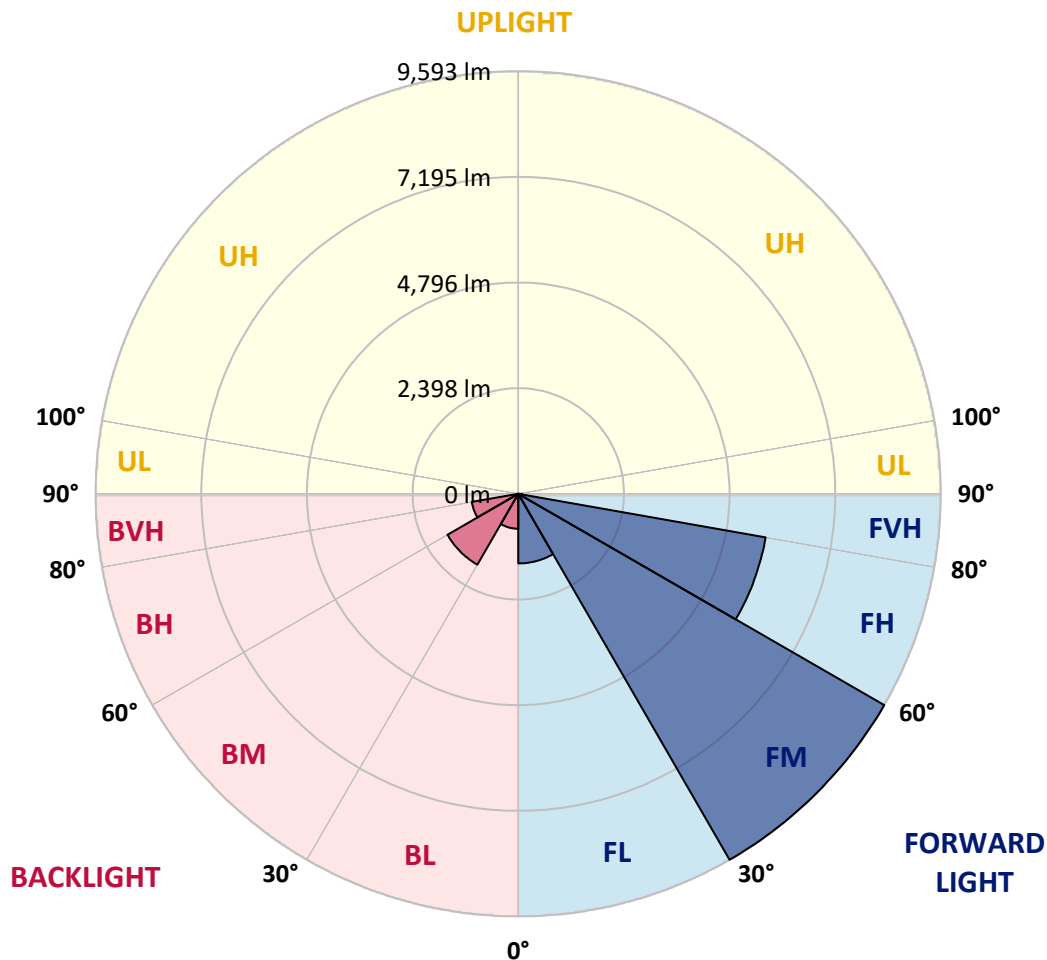


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1580.1	7.6			
FM (30°-60°)	9593.0	46.3			
FH (60°-80°)	5702.3	27.5			G3/7500
FVH (80°-90°)	84.8	0.4			G1/100
BL (0°-30°)	792.4	3.8	B2/1000		
BM (30°-60°)	1856.7	9.0	B2/2500		
BH (60°-80°)	1070.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	31.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3
2.5°	3626.6	3647.5	3635.6	3629.6	3619.2	3604.3	3592.3	3555.0	3516.3	3490.9
5°	3699.7	3720.6	3719.1	3725.0	3732.5	3737.0	3734.0	3692.2	3637.1	3593.8
7.5°	3637.1	3660.9	3680.3	3710.1	3762.3	3817.5	3844.3	3835.4	3778.7	3719.1
10°	3459.6	3485.0	3531.2	3601.3	3711.6	3830.9	3930.8	3977.1	3941.3	3875.7
12.5°	3134.5	3159.9	3250.8	3402.9	3587.9	3795.1	3986.0	4109.8	4118.7	4053.1
15°	2769.2	2794.5	2891.5	3082.3	3364.2	3696.7	4015.8	4250.0	4329.0	4272.3
17.5°	2542.5	2564.9	2638.0	2791.5	3085.3	3499.9	4005.4	4399.1	4579.5	4534.8
20°	2473.9	2493.3	2527.6	2635.0	2879.5	3295.6	3936.8	4539.2	4849.4	4824.1
22.5°	2547.0	2564.9	2575.3	2623.0	2776.6	3161.4	3850.3	4682.4	5162.6	5165.6
25°	2715.5	2733.4	2721.5	2751.3	2818.4	3119.6	3817.5	4850.9	5556.3	5589.1
27.5°	2992.9	2994.4	2966.0	2964.5	2975.0	3182.2	3851.8	5031.3	6052.8	6114.0
30°	3549.1	3526.7	3417.9	3300.1	3246.4	3370.1	3947.2	5244.6	6638.9	6747.7
32.5°	4406.5	4373.7	4173.9	3892.1	3608.7	3672.9	4118.7	5487.7	7277.1	7474.0
35°	5337.0	5328.1	5119.3	4700.3	4205.2	4103.8	4397.6	5806.8	7973.5	8286.7
37.5°	6201.9	6197.5	6078.2	5584.6	4982.1	4704.8	4844.9	6224.3	8719.1	9172.4
40°	6992.3	7005.7	6886.4	6445.0	5838.1	5475.7	5453.4	6740.3	9548.2	10137.3
42.5°	7675.3	7690.2	7569.4	7242.8	6683.6	6328.7	6200.5	7372.5	10358.0	11173.6
45°	8139.0	8231.5	8213.6	7952.6	7551.5	7183.2	7098.2	8165.9	11281.0	12272.7
47.5°	8270.3	8355.3	8489.5	8525.3	8280.7	7918.3	8019.7	9121.7	12214.5	13373.2
50°	7946.7	8025.7	8304.6	8675.9	8845.9	8734.0	8916.0	10146.2	13170.4	14470.7
52.5°	7308.4	7389.0	7740.9	8328.4	9021.8	9373.8	9815.2	11155.8	14096.4	15510.1
55°	6385.4	6470.4	6922.2	7587.3	8686.3	9637.7	10565.2	12163.8	14944.9	16445.1
57.5°	5129.8	5192.4	5662.1	6592.6	7842.3	9375.2	11118.5	13264.3	15744.2	17363.7
60°	3343.3	3398.5	3944.3	4982.1	6443.5	8498.4	11228.8	14491.6	16806.0	18558.1
62.5°	2223.4	2260.7	2584.3	3346.3	4537.8	6814.8	10583.1	15471.3	18362.8	20636.9
65°	1525.5	1562.8	1886.4	2417.3	2931.7	4507.9	8726.6	15341.6	19773.5	22287.6
67.5°	1088.6	1119.9	1394.3	1895.3	2122.0	2618.6	5915.6	13683.4	19570.7	22350.3
70°	779.9	797.8	1024.5	1476.3	1686.6	1573.2	3289.6	10465.3	17135.5	20638.4
72.5°	545.8	551.7	711.3	1124.4	1358.5	1148.2	1565.8	6977.4	12960.1	16199.0
75°	369.8	377.3	478.7	824.6	1090.1	876.8	829.1	3741.4	7608.2	8966.7
77.5°	226.7	229.6	308.7	563.7	815.7	668.1	533.9	1585.2	2943.7	2890.0
80°	128.2	128.2	196.8	350.4	556.2	431.0	374.3	674.0	932.0	818.7
82.5°	71.6	73.1	143.2	217.7	368.3	255.0	205.8	311.7	402.6	356.4
85°	29.8	32.8	88.0	102.9	176.0	126.8	83.5	131.2	149.1	132.7
87.5°	3.0	4.5	26.8	19.4	20.9	25.4	11.9	25.4	20.9	20.9
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°
3431.3	0°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3
3482.0	2.5°	3453.6	3431.3	3374.6	3309.0	3222.5	3180.8	3124.1	3085.3	3052.5	3055.5
3568.5	5°	3520.8	3464.1	3337.3	3179.3	2982.4	2842.2	2693.1	2590.2	2506.7	2488.8
3687.8	7.5°	3613.2	3523.7	3301.5	3016.7	2684.2	2432.2	2207.0	2062.3	1959.5	1926.6
3832.4	10°	3732.5	3602.8	3255.3	2812.4	2333.7	2013.1	1771.6	1658.2	1588.1	1564.3
4002.4	12.5°	3871.2	3693.7	3194.2	2563.4	1972.9	1664.2	1510.6	1453.9	1431.6	1424.1
4211.2	15°	4045.7	3807.1	3101.7	2268.1	1667.2	1450.9	1385.3	1377.9	1380.9	1377.9
4461.7	17.5°	4252.9	3930.8	2951.1	1963.9	1461.4	1342.1	1318.2	1324.2	1331.7	1330.2
4742.1	20°	4479.6	4053.1	2758.7	1694.0	1321.2	1264.5	1251.1	1257.1	1263.1	1260.1
5065.6	22.5°	4737.6	4184.3	2545.5	1483.8	1227.3	1193.0	1178.1	1179.5	1179.5	1173.6
5475.7	25°	5046.3	4329.0	2321.8	1334.6	1155.7	1128.8	1111.0	1105.0	1096.0	1078.1
5973.8	27.5°	5414.6	4482.6	2107.1	1230.2	1099.0	1073.7	1052.8	1037.9	1015.5	985.7
6571.8	30°	5829.1	4669.0	1925.2	1164.6	1054.3	1028.9	1005.1	982.7	949.9	912.6
7259.2	32.5°	6316.8	4868.8	1792.4	1121.4	1014.0	987.2	958.8	932.0	896.2	858.9
8031.7	35°	6898.3	5110.4	1714.9	1091.6	982.7	946.9	915.6	885.8	858.9	826.1
8871.2	37.5°	7529.1	5366.9	1691.0	1076.7	961.8	906.7	870.9	850.0	847.0	827.6
9779.4	40°	8219.6	5671.1	1708.9	1067.7	939.5	867.9	829.1	824.6	832.1	797.8
10750.1	42.5°	8950.3	6032.0	1738.8	1057.3	908.1	829.1	791.8	791.8	785.9	738.1
11776.1	45°	9740.6	6448.0	1768.6	1031.9	870.9	790.3	762.0	751.6	726.2	680.0
12808.0	47.5°	10536.9	6871.5	1790.9	985.7	826.1	757.5	732.2	708.3	671.0	629.3
13820.5	50°	11292.9	7251.8	1767.1	917.1	775.4	726.2	699.4	666.6	626.3	598.0
14779.4	52.5°	11968.5	7581.3	1665.7	836.6	721.7	693.4	669.6	635.3	602.4	572.6
15644.3	55°	12556.0	7848.2	1486.7	760.5	674.0	665.1	641.2	598.0	553.2	527.9
16501.7	57.5°	13119.7	8051.1	1263.1	697.9	630.8	633.8	598.0	559.2	517.5	490.6
17657.4	60°	13869.8	8322.5	1036.4	639.7	584.6	593.5	554.7	526.4	474.2	439.9
19639.3	62.5°	15068.7	8744.5	823.1	568.2	530.9	533.9	517.5	483.2	420.5	380.3
21108.1	65°	16020.1	8589.4	648.7	490.6	469.7	474.2	474.2	436.9	369.8	323.6
21187.1	67.5°	15912.7	7354.7	517.5	414.6	411.6	414.6	425.0	393.7	328.1	290.8
19573.6	70°	14658.6	5850.0	414.6	344.5	357.9	350.4	380.3	359.4	295.3	258.0
15174.6	72.5°	11961.0	4214.2	316.1	284.8	274.4	286.3	343.0	323.6	246.0	204.3
8037.6	75°	6989.3	2248.7	235.6	225.2	198.3	238.6	304.2	275.9	187.9	150.6
2463.5	77.5°	2275.6	784.4	173.0	165.5	147.6	192.4	259.5	232.6	153.6	119.3
721.7	80°	609.9	237.1	117.8	108.9	95.4	143.2	205.8	184.9	110.3	77.5
310.2	82.5°	244.6	99.9	68.6	61.1	52.2	98.4	162.5	149.1	82.0	49.2
96.9	85°	79.0	32.8	25.4	19.4	23.9	61.1	96.9	101.4	58.2	25.4
14.9	87.5°	10.4	4.5	4.5	6.0	4.5	10.4	29.8	28.3	16.4	3.0
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°
3431.3
3025.7
2448.6
1893.8
1546.4
1419.6
1376.4
1327.2
1258.6
1170.6
1075.2
982.7
909.6
860.4
823.1
826.1
799.3
738.1
678.5
627.8
593.5
569.6
524.9
487.6
435.4
377.3
319.1
284.8
253.5
199.8
146.1
114.8
76.1
49.2
19.4
0.0
0.0

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