

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: P850575

Luminaire Tested: **GLAN-SB8A-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850575  
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-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 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: 17057 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

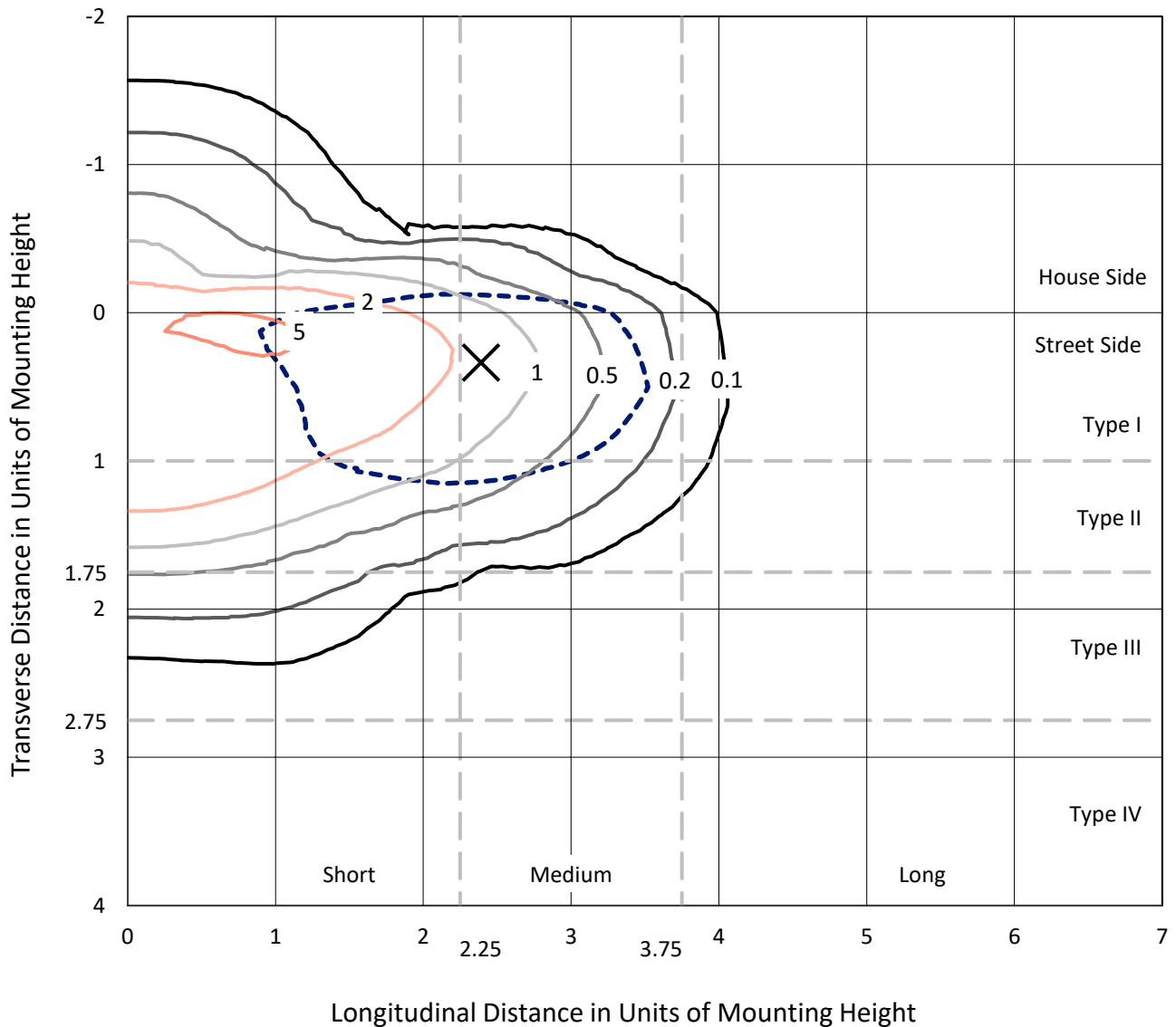
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

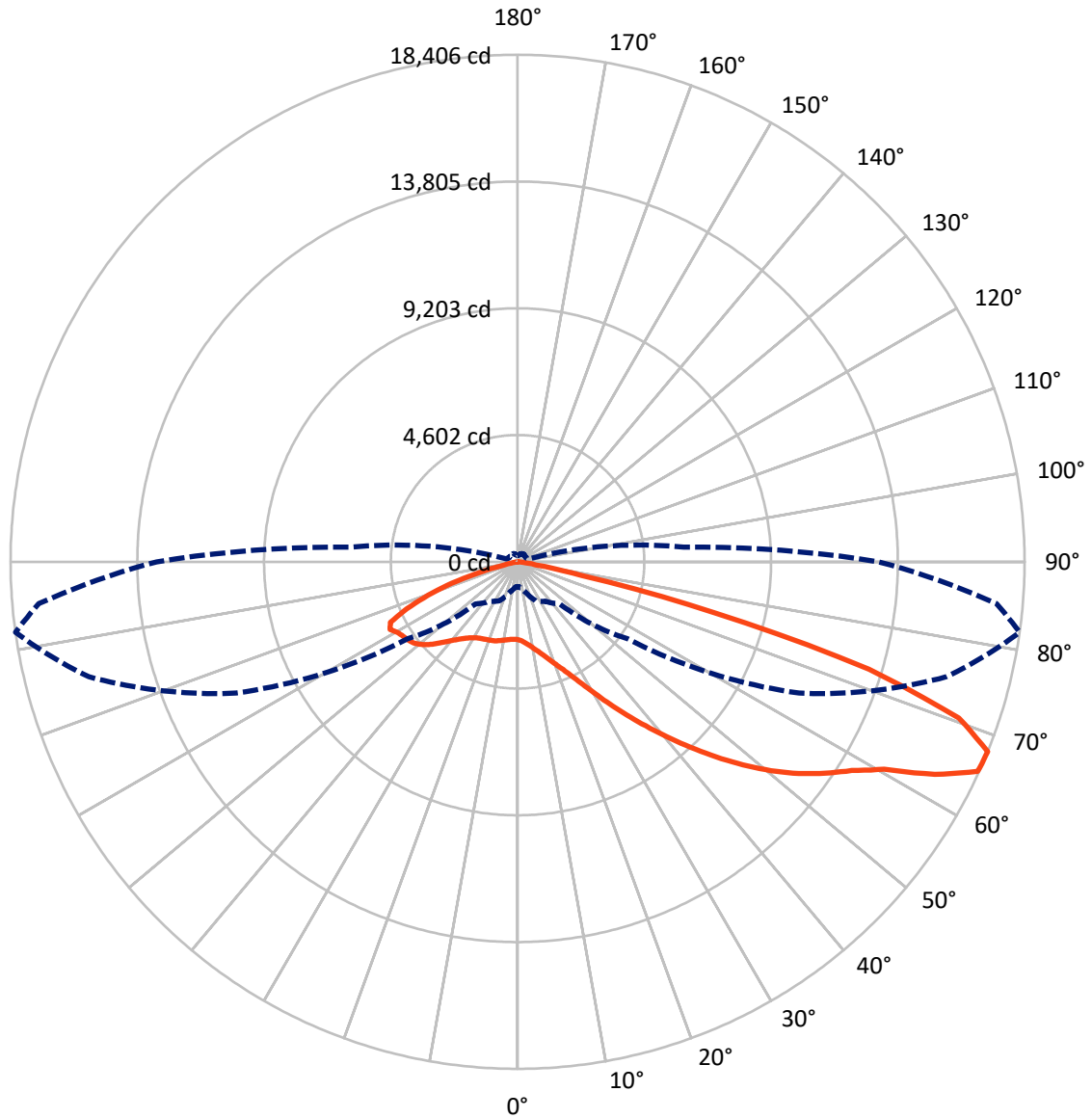
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	3089.7	0.0	3089.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	13967.3	0.0	13967.3
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	17057.0	0.0	17057.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.8	1.5
10°-20°	654.2	3.8
20°-30°	1047.8	6.1
30°-40°	1852.9	10.9
40°-50°	3246.4	19.0
50°-60°	4329.9	25.4
60°-70°	4030.9	23.6
70°-80°	1547.0	9.1
80°-90°	96.1	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°	17057.0	100.0
0°-180°	17057.0	100.0

**Coefficient of Utilization**

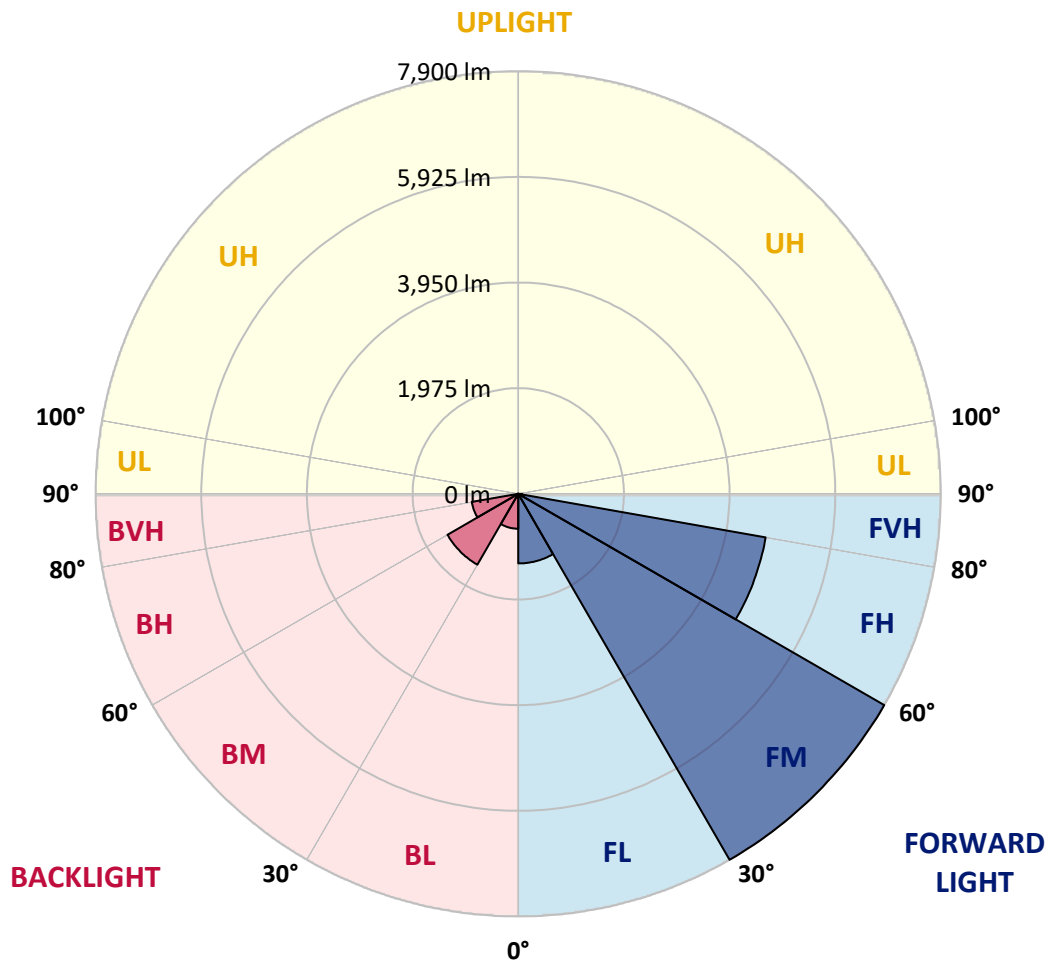


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.3	7.6			
FM (30°-60°)	7900.1	46.3			
FH (60°-80°)	4696.0	27.5			G2/5000
FVH (80°-90°)	69.9	0.4			G1/100
BL (0°-30°)	652.5	3.8	B2/1000		
BM (30°-60°)	1529.1	9.0	B2/2500		
BH (60°-80°)	881.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	26.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8
2.5°	2986.6	3003.8	2994.0	2989.1	2980.5	2968.2	2958.4	2927.7	2895.8	2874.9
5°	3046.8	3064.0	3062.8	3067.7	3073.8	3077.5	3075.1	3040.7	2995.2	2959.6
7.5°	2995.2	3014.9	3030.9	3055.4	3098.4	3143.8	3165.9	3158.6	3111.9	3062.8
10°	2849.1	2870.0	2908.0	2965.8	3056.6	3154.9	3237.2	3275.2	3245.8	3191.7
12.5°	2581.4	2602.3	2677.2	2802.4	2954.7	3125.4	3282.6	3384.5	3391.9	3337.9
15°	2280.5	2301.4	2381.2	2538.4	2770.5	3044.4	3307.2	3500.0	3565.1	3518.4
17.5°	2093.8	2112.3	2172.4	2298.9	2540.9	2882.3	3298.6	3622.8	3771.4	3734.5
20°	2037.4	2053.3	2081.6	2170.0	2371.4	2714.0	3242.1	3738.2	3993.7	3972.8
22.5°	2097.5	2112.3	2120.9	2160.2	2286.6	2603.5	3170.9	3856.1	4251.5	4254.0
25°	2236.3	2251.0	2241.2	2265.8	2321.0	2569.1	3143.8	3994.9	4575.8	4602.8
27.5°	2464.7	2465.9	2442.6	2441.4	2450.0	2620.7	3172.1	4143.5	4984.7	5035.0
30°	2922.8	2904.4	2814.7	2717.7	2673.5	2775.4	3250.7	4319.1	5467.3	5557.0
32.5°	3628.9	3601.9	3437.3	3205.2	2971.9	3024.7	3391.9	4519.3	5992.9	6155.0
35°	4395.2	4387.9	4215.9	3870.8	3463.1	3379.6	3621.6	4782.1	6566.4	6824.3
37.5°	5107.5	5103.8	5005.6	4599.1	4103.0	3874.5	3990.0	5125.9	7180.5	7553.8
40°	5758.4	5769.4	5671.2	5307.7	4807.9	4509.4	4491.0	5550.8	7863.3	8348.4
42.5°	6320.8	6333.1	6233.6	5964.7	5504.2	5211.9	5106.3	6071.5	8530.1	9201.9
45°	6702.8	6778.9	6764.2	6549.2	6218.9	5915.6	5845.6	6724.9	9290.3	10106.9
47.5°	6810.8	6880.8	6991.3	7020.8	6819.4	6521.0	6604.5	7512.0	10059.0	11013.2
50°	6544.3	6609.4	6839.1	7144.9	7284.9	7192.8	7342.6	8355.7	10846.2	11917.1
52.5°	6018.7	6085.0	6374.9	6858.7	7429.8	7719.6	8083.1	9187.1	11608.9	12773.1
55°	5258.6	5328.6	5700.7	6248.4	7153.5	7937.0	8700.8	10017.3	12307.6	13543.1
57.5°	4224.5	4276.1	4662.9	5429.3	6458.4	7720.8	9156.4	10923.6	12965.9	14299.5
60°	2753.3	2798.8	3248.2	4103.0	5306.5	6998.7	9247.3	11934.3	13840.2	15283.2
62.5°	1831.0	1861.7	2128.2	2755.8	3737.0	5612.2	8715.5	12741.1	15122.3	16995.1
65°	1256.3	1287.0	1553.5	1990.7	2414.4	3712.4	7186.6	12634.3	16284.1	18354.6
67.5°	896.5	922.3	1148.2	1560.9	1747.5	2156.5	4871.7	11268.7	16117.1	18406.2
70°	642.3	657.0	843.7	1215.8	1388.9	1295.6	2709.1	8618.5	14111.6	16996.4
72.5°	449.5	454.4	585.8	926.0	1118.8	945.6	1289.5	5746.1	10673.1	13340.4
75°	304.6	310.7	394.2	679.1	897.7	722.1	682.8	3081.2	6265.6	7384.3
77.5°	186.7	189.1	254.2	464.2	671.7	550.2	439.6	1305.4	2424.2	2380.0
80°	105.6	105.6	162.1	288.6	458.1	354.9	308.2	555.1	767.5	674.2
82.5°	58.9	60.2	117.9	179.3	303.3	210.0	169.5	256.7	331.6	293.5
85°	24.6	27.0	72.5	84.7	144.9	104.4	68.8	108.1	122.8	109.3
87.5°	2.5	3.7	22.1	16.0	17.2	20.9	9.8	20.9	17.2	17.2
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°
2825.8	0°	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8	2825.8
2867.5	2.5°	2844.2	2825.8	2779.1	2725.1	2653.8	2619.5	2572.8	2540.9	2513.8	2516.3
2938.7	5°	2899.5	2852.8	2748.4	2618.2	2456.1	2340.7	2217.9	2133.1	2064.4	2049.6
3037.0	7.5°	2975.6	2901.9	2718.9	2484.4	2210.5	2003.0	1817.5	1698.4	1613.7	1586.7
3156.1	10°	3073.8	2967.0	2680.9	2316.1	1921.9	1657.9	1458.9	1365.6	1307.9	1288.2
3296.1	12.5°	3188.0	3041.9	2630.5	2111.0	1624.7	1370.5	1244.0	1197.4	1178.9	1172.8
3468.0	15°	3331.7	3135.2	2554.4	1867.9	1373.0	1194.9	1140.9	1134.7	1137.2	1134.7
3674.4	17.5°	3502.4	3237.2	2430.3	1617.4	1203.5	1105.3	1085.6	1090.5	1096.7	1095.4
3905.2	20°	3689.1	3337.9	2271.9	1395.1	1088.1	1041.4	1030.3	1035.3	1040.2	1037.7
4171.7	22.5°	3901.5	3445.9	2096.3	1221.9	1010.7	982.4	970.2	971.4	971.4	966.5
4509.4	25°	4155.8	3565.1	1912.1	1099.1	951.7	929.6	914.9	910.0	902.6	887.9
4919.6	27.5°	4459.1	3691.6	1735.2	1013.2	905.1	884.2	867.0	854.7	836.3	811.7
5412.1	30°	4800.5	3845.1	1585.4	959.1	868.2	847.4	827.7	809.3	782.3	751.6
5978.2	32.5°	5202.1	4009.6	1476.1	923.5	835.1	813.0	789.6	767.5	738.1	707.4
6614.3	35°	5681.0	4208.6	1412.3	898.9	809.3	779.8	754.0	729.5	707.4	680.3
7305.7	37.5°	6200.5	4419.8	1392.6	886.7	792.1	746.7	717.2	700.0	697.5	681.6
8053.6	40°	6769.1	4670.3	1407.4	879.3	773.7	714.7	682.8	679.1	685.3	657.0
8853.1	42.5°	7370.8	4967.5	1431.9	870.7	747.9	682.8	652.1	652.1	647.2	607.9
9698.0	45°	8021.7	5310.1	1456.5	849.8	717.2	650.9	627.5	618.9	598.1	560.0
10547.8	47.5°	8677.5	5658.9	1474.9	811.7	680.3	623.9	603.0	583.3	552.6	518.2
11381.7	50°	9300.1	5972.1	1455.3	755.3	638.6	598.1	576.0	548.9	515.8	492.5
12171.3	52.5°	9856.4	6243.5	1371.7	688.9	594.4	571.0	551.4	523.2	496.1	471.6
12883.6	55°	10340.3	6463.3	1224.4	626.3	555.1	547.7	528.1	492.5	455.6	434.7
13589.7	57.5°	10804.5	6630.3	1040.2	574.7	519.5	521.9	492.5	460.5	426.1	404.0
14541.5	60°	11422.2	6853.8	853.5	526.8	481.4	488.8	456.8	433.5	390.5	362.3
16173.6	62.5°	12409.6	7201.3	677.9	467.9	437.2	439.6	426.1	397.9	346.3	313.2
17383.2	65°	13193.1	7073.6	534.2	404.0	386.8	390.5	390.5	359.8	304.6	266.5
17448.3	67.5°	13104.6	6056.8	426.1	341.4	338.9	341.4	350.0	324.2	270.2	239.5
16119.5	70°	12071.8	4817.7	341.4	283.7	294.7	288.6	313.2	296.0	243.2	212.5
12496.7	72.5°	9850.3	3470.5	260.3	234.6	226.0	235.8	282.5	266.5	202.6	168.2
6619.2	75°	5755.9	1851.9	194.0	185.4	163.3	196.5	250.5	227.2	154.7	124.0
2028.8	77.5°	1874.0	646.0	142.5	136.3	121.6	158.4	213.7	191.6	126.5	98.2
594.4	80°	502.3	195.3	97.0	89.6	78.6	117.9	169.5	152.3	90.9	63.9
255.4	82.5°	201.4	82.3	56.5	50.4	43.0	81.1	133.9	122.8	67.5	40.5
79.8	85°	65.1	27.0	20.9	16.0	19.6	50.4	79.8	83.5	47.9	20.9
12.3	87.5°	8.6	3.7	3.7	4.9	3.7	8.6	24.6	23.3	13.5	2.5
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



180°
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2825.8
2491.7
2016.5
1559.6
1273.5
1169.1
1133.5
1093.0
1036.5
964.0
885.4
809.3
749.1
708.6
677.9
680.3
658.2
607.9
558.8
517.0
488.8
469.1
432.3
401.6
358.6
310.7
262.8
234.6
208.8
164.6
120.3
94.6
62.6
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16.0
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