

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: P853058

Luminaire Tested: **GLAN-SB8B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853058  
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-SB8B-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA 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: 22202 lumens  
Efficiency: N/A  
Efficacy: 75.8 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

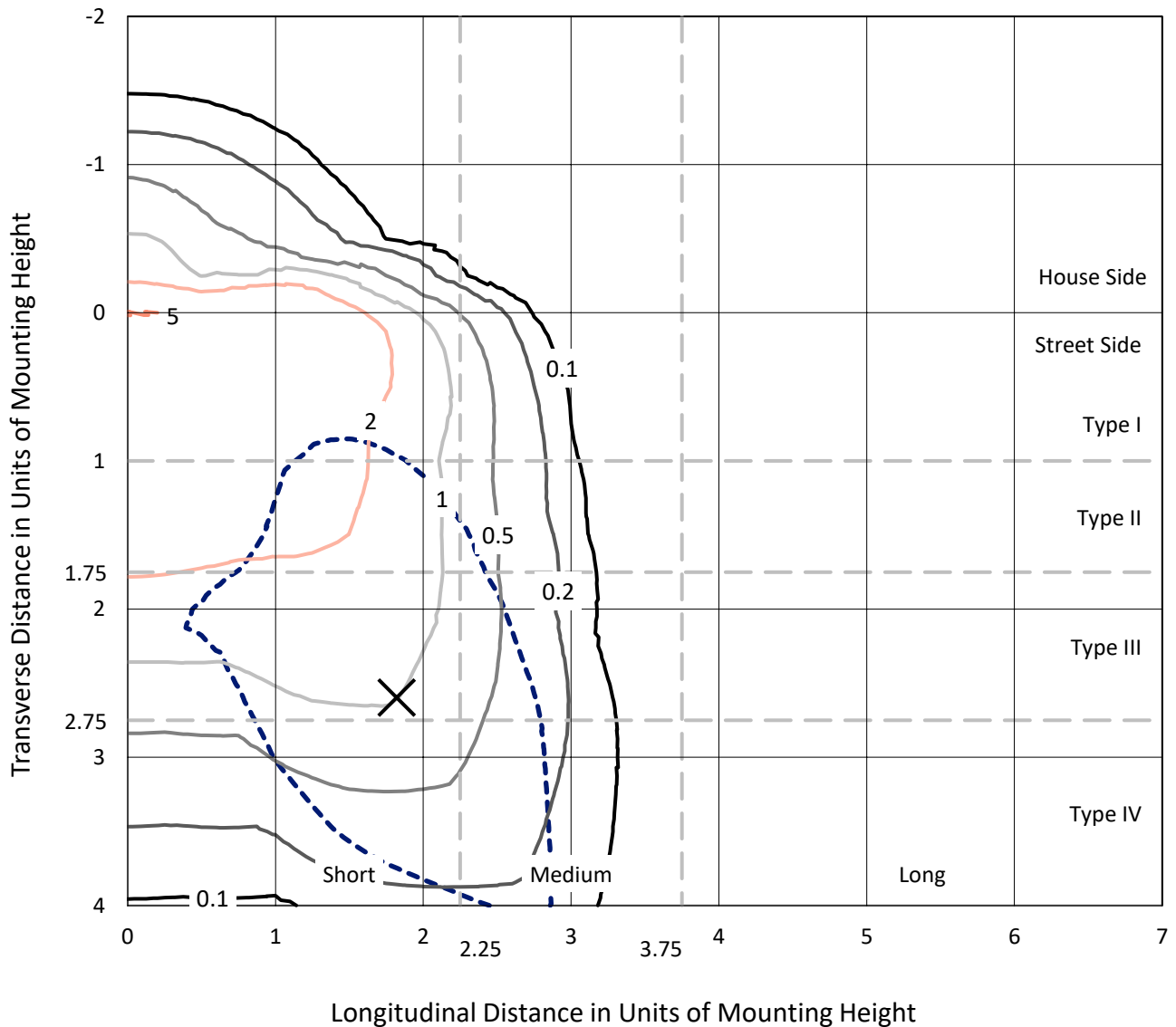
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

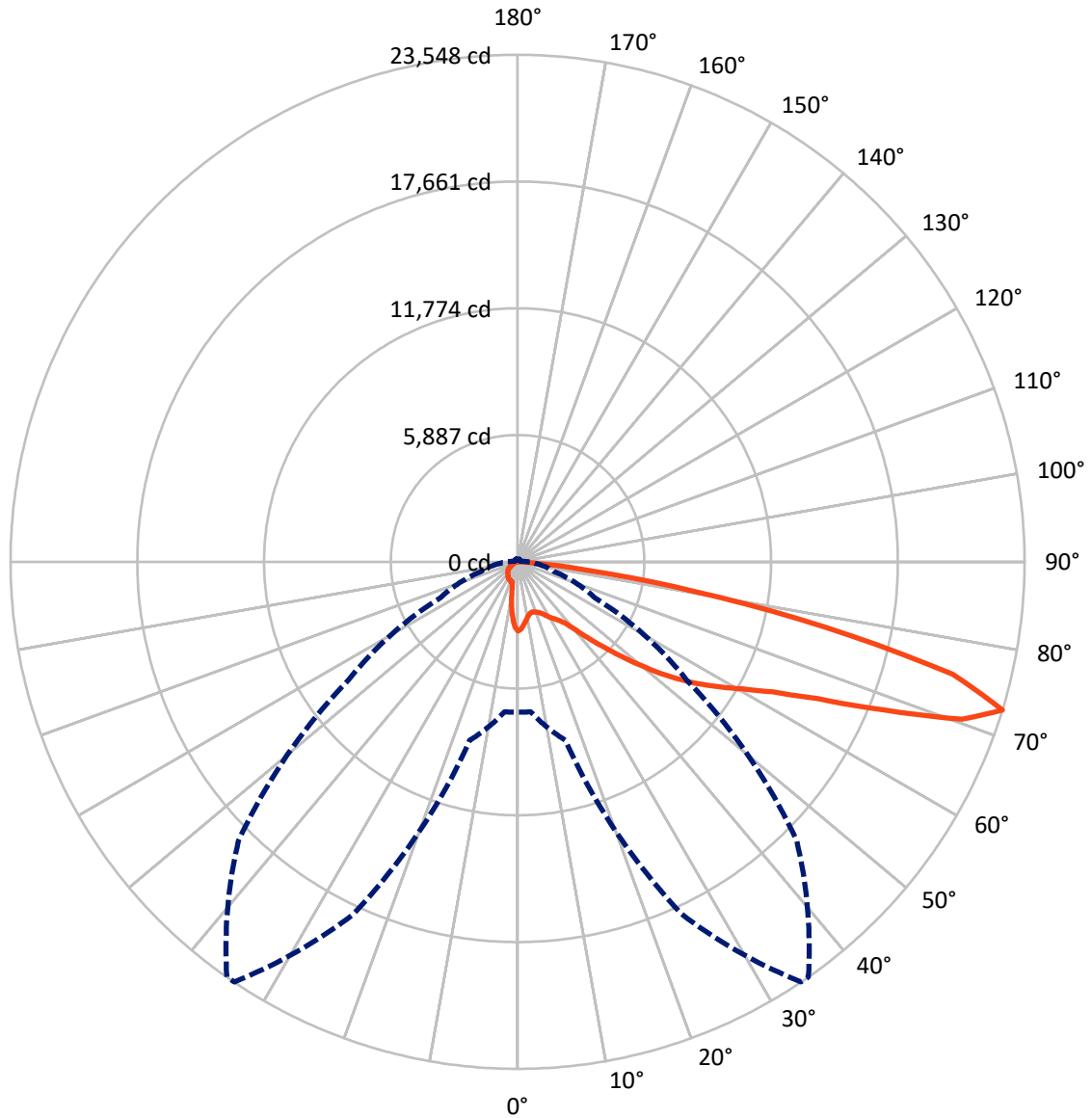
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2498.7	0.0	2498.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	19703.3	0.0	19703.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	22202.0	0.0	22202.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.4	1.2
10°-20°	618.6	2.8
20°-30°	1004.9	4.5
30°-40°	1676.6	7.6
40°-50°	3172.2	14.3
50°-60°	5040.6	22.7
60°-70°	6235.5	28.1
70°-80°	3876.0	17.5
80°-90°	313.2	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°	22202.0	100.0
0°-180°	22202.0	100.0

**Coefficient of Utilization**



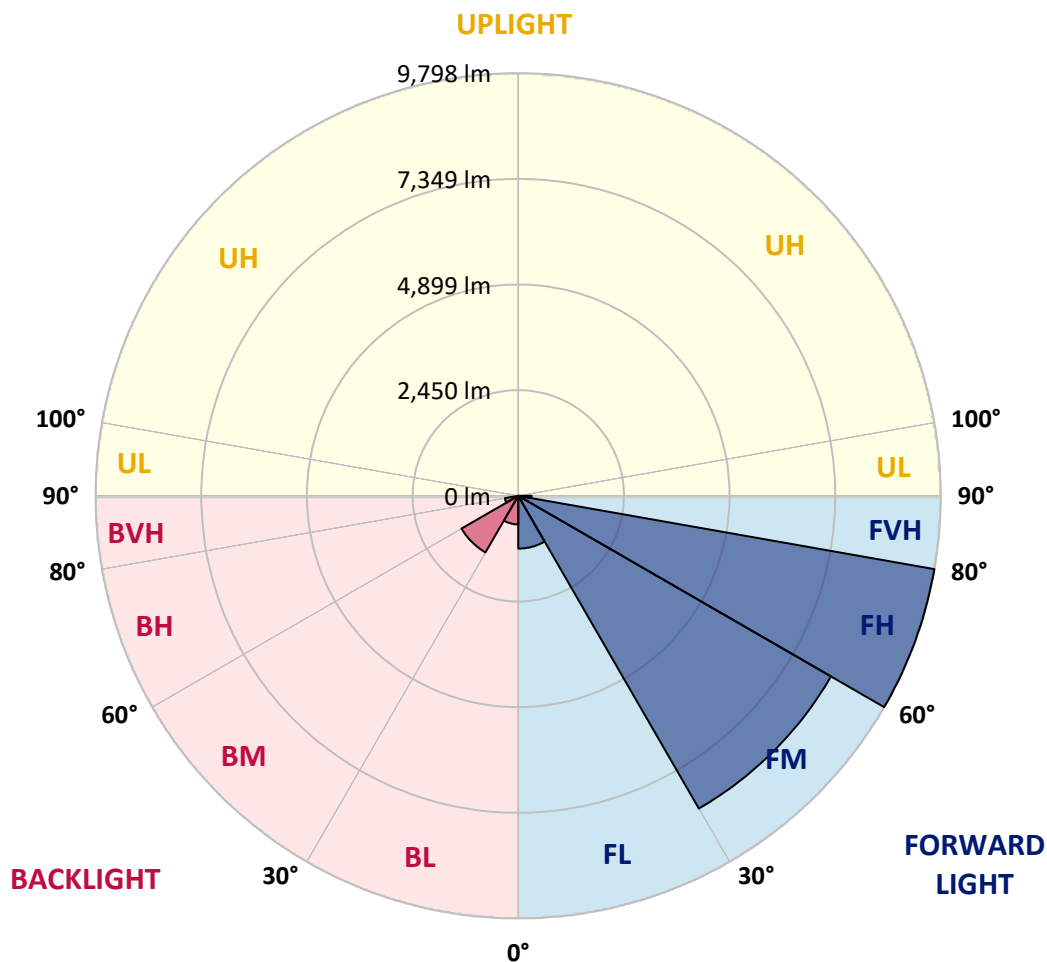
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.9	5.5			
FM (30°-60°)	8372.4	37.7			
FH (60°-80°)	9798.0	44.1			G4/12000
FVH (80°-90°)	309.0	1.4			G3/500
BL (0°-30°)	664.0	3.0	B2/1000		
BM (30°-60°)	1517.0	6.8	B2/2500		
BH (60°-80°)	313.6	1.4	B1/500		G1/500
BVH (80°-90°)	4.3	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°	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8
2.5°	3074.7	3100.7	3105.6	3113.7	3113.7	3123.5	3139.7	3162.5	3199.9	3219.4
5°	2833.9	2853.4	2877.8	2897.3	2934.8	2939.6	3003.1	3064.9	3151.1	3216.2
7.5°	2591.5	2614.3	2646.8	2694.0	2742.8	2757.4	2853.4	2957.5	3094.2	3216.2
10°	2420.7	2422.3	2451.6	2498.8	2576.9	2594.7	2711.9	2859.9	3030.7	3196.7
12.5°	2324.7	2336.1	2349.1	2384.9	2459.7	2471.1	2596.4	2770.4	2967.3	3185.3
15°	2324.7	2332.8	2341.0	2358.9	2419.1	2428.8	2539.4	2713.5	2934.8	3190.2
17.5°	2349.1	2362.1	2355.6	2376.8	2440.2	2446.7	2544.3	2697.2	2933.1	3221.1
20°	2407.7	2417.4	2404.4	2417.4	2480.9	2493.9	2594.7	2728.1	2960.8	3274.8
22.5°	2500.4	2505.3	2474.4	2484.1	2549.2	2565.5	2682.6	2816.0	3027.5	3361.0
25°	2617.5	2627.3	2580.1	2591.5	2653.3	2672.8	2807.9	2947.8	3133.2	3479.7
27.5°	2752.5	2757.4	2716.8	2715.1	2794.8	2822.5	2959.2	3110.4	3274.8	3629.4
30°	2907.1	2921.7	2882.7	2876.2	2977.0	2999.8	3134.8	3310.5	3483.0	3853.9
32.5°	3029.1	3040.5	3017.7	3034.0	3136.5	3154.4	3348.0	3593.6	3810.0	4172.7
35°	3204.8	3211.3	3159.2	3188.5	3305.7	3351.2	3639.2	3990.5	4221.6	4572.9
37.5°	3840.9	3840.9	3619.6	3474.8	3587.1	3627.8	4037.7	4490.0	4729.1	5109.8
40°	4721.0	4706.3	4382.6	4086.5	4071.9	4151.6	4605.5	5119.5	5384.7	5754.0
42.5°	5659.6	5636.9	5196.0	4903.2	4854.4	4882.0	5261.1	5895.5	6165.6	6539.7
45°	6492.6	6486.1	6082.6	5688.9	5601.1	5688.9	6079.4	6803.3	6996.9	7390.6
47.5°	7190.5	7190.5	6896.0	6639.0	6593.4	6645.5	7187.2	7810.3	7792.4	8296.7
50°	7994.1	7987.6	7707.8	7597.2	7644.3	7717.5	8462.6	8871.0	8615.5	9186.6
52.5°	8557.0	8596.0	8500.0	8482.1	8722.9	8849.8	9757.6	9908.9	9352.5	10030.9
55°	9002.7	9048.3	9158.9	9284.2	9747.8	9913.7	11011.8	10893.1	9969.0	10762.9
57.5°	9633.9	9568.8	9739.7	9986.9	10736.9	10937.0	12227.0	11822.0	10465.2	11356.7
60°	10400.1	10409.9	10439.2	10751.5	11724.4	11981.4	13424.4	12700.4	10784.1	11721.1
62.5°	11320.9	11335.6	11395.7	11875.7	13050.2	13292.6	14699.8	13419.5	10930.5	11618.6
65°	11257.5	11319.3	11991.2	13632.6	15065.8	15305.0	16188.3	13923.8	10709.2	10681.6
67.5°	10255.4	10356.2	11480.3	15731.2	18104.7	18371.5	17987.5	14023.0	9754.3	8306.5
70°	8940.9	8976.7	10328.6	17618.3	21623.5	21893.5	19598.1	12931.4	7401.9	4633.1
72.5°	6982.2	6990.4	8576.5	18055.9	23533.3	23548.0	18334.1	9599.8	3980.8	1779.7
75°	4987.8	4939.0	5744.2	14642.8	20704.3	20870.2	13744.8	4503.0	1521.1	841.1
77.5°	2674.5	2728.1	3250.4	8683.9	14302.8	14585.9	7499.6	1298.2	774.4	572.6
80°	826.4	872.0	1332.4	3975.9	8101.5	8272.3	2780.2	577.5	540.1	408.3
82.5°	260.3	270.0	621.4	1670.7	3362.6	3440.7	805.3	327.0	369.3	270.0
85°	74.8	76.5	276.6	623.1	831.3	847.6	226.1	126.9	211.5	167.6
87.5°	8.1	26.0	104.1	104.1	73.2	71.6	24.4	27.7	60.2	21.1
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°
3217.8	0°	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8	3217.8
3232.5	2.5°	3224.3	3225.9	3204.8	3169.0	3130.0	3097.4	3056.8	3024.2	3001.4	2994.9
3261.7	5°	3247.1	3235.7	3175.5	3066.5	2936.4	2824.1	2698.9	2599.6	2534.6	2506.9
3292.6	7.5°	3281.3	3248.7	3117.0	2902.2	2653.3	2432.1	2207.6	2033.5	1922.9	1867.6
3321.9	10°	3310.5	3245.5	3019.3	2664.7	2284.0	1948.9	1646.3	1436.5	1319.3	1264.0
3356.1	12.5°	3338.2	3243.8	2892.5	2383.3	1867.6	1457.6	1176.2	1072.1	1039.5	1028.1
3411.4	15°	3390.3	3248.7	2733.0	2061.2	1452.7	1101.3	998.9	997.2	1003.7	1000.5
3496.0	17.5°	3461.8	3253.6	2552.5	1719.5	1120.9	971.2	966.3	981.0	990.7	985.8
3601.7	20°	3554.6	3273.1	2360.5	1381.2	963.1	938.7	950.1	963.1	971.2	963.1
3743.3	22.5°	3684.7	3307.3	2150.6	1109.5	912.6	919.1	928.9	943.5	951.7	940.3
3923.8	25°	3844.1	3361.0	1944.0	964.7	888.2	896.4	911.0	927.3	937.0	925.7
4151.6	27.5°	4050.7	3447.2	1753.7	932.2	863.8	868.7	889.9	914.3	927.3	912.6
4475.3	30°	4350.1	3588.7	1589.4	946.8	849.2	837.8	867.1	901.2	915.9	902.9
4916.2	32.5°	4747.0	3788.8	1488.5	969.6	842.7	802.0	829.7	873.6	898.0	889.9
5492.1	35°	5267.6	4093.0	1449.5	995.6	837.8	764.6	784.1	831.3	873.6	881.7
6217.6	37.5°	5898.8	4516.0	1460.9	1007.0	823.2	733.7	743.4	784.1	839.4	865.5
7034.3	40°	6616.2	5008.9	1525.9	995.6	806.9	707.7	709.3	740.2	789.0	828.0
7912.8	42.5°	7356.4	5584.8	1646.3	953.3	792.3	684.9	680.0	701.2	733.7	761.3
8789.6	45°	8060.8	6177.0	1765.1	894.7	774.4	662.1	650.7	658.9	665.4	676.7
9643.7	47.5°	8675.7	6593.4	1730.9	841.1	750.0	636.1	616.6	613.3	593.8	592.2
10406.7	50°	9100.3	6684.5	1537.3	787.4	714.2	606.8	575.9	556.4	522.2	505.9
10977.7	52.5°	9235.4	6325.0	1255.9	733.7	655.6	567.8	523.8	492.9	450.6	436.0
11306.3	55°	9056.4	5620.6	1003.7	668.6	574.3	515.7	466.9	426.2	392.1	374.2
11342.1	57.5°	8618.8	4724.2	793.9	592.2	488.0	457.1	408.3	367.7	338.4	320.5
10945.1	60°	7893.2	3751.4	627.9	501.1	416.5	393.7	343.3	317.2	291.2	270.0
9920.2	62.5°	6791.9	2677.7	492.9	396.9	348.1	322.1	292.8	273.3	242.4	213.1
8077.1	65°	5300.1	1638.2	380.7	291.2	279.8	266.8	248.9	231.0	193.6	164.3
5269.2	67.5°	3343.1	776.0	271.7	219.6	221.2	214.7	206.6	192.0	164.3	138.3
2360.5	70°	1472.3	375.8	178.9	167.6	164.3	164.3	170.8	165.9	139.9	115.5
819.9	72.5°	501.1	201.7	133.4	126.9	118.8	117.1	143.2	138.3	112.2	89.5
408.3	75°	261.9	135.0	97.6	91.1	71.6	86.2	113.9	107.4	79.7	58.6
270.0	77.5°	170.8	96.0	66.7	58.6	40.7	56.9	84.6	74.8	47.2	29.3
177.3	80°	107.4	63.4	39.0	27.7	19.5	30.9	45.6	32.5	17.9	6.5
104.1	82.5°	56.9	32.5	14.6	9.8	8.1	9.8	11.4	8.1	3.3	0.0
53.7	85°	22.8	11.4	4.9	3.3	1.6	0.0	3.3	1.6	0.0	0.0
9.8	87.5°	8.1	1.6	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



180°
3217.8
3006.3
2516.7
1875.7
1265.7
1024.9
998.9
984.2
961.4
938.7
924.0
912.6
901.2
889.9
881.7
872.0
841.1
772.7
683.3
590.5
507.6
434.4
374.2
317.2
265.2
208.2
159.4
135.0
110.6
84.6
53.7
26.0
4.9
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