

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: P849047

Luminaire Tested: **GLAN-SB5D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849047
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-SB5D-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25962 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

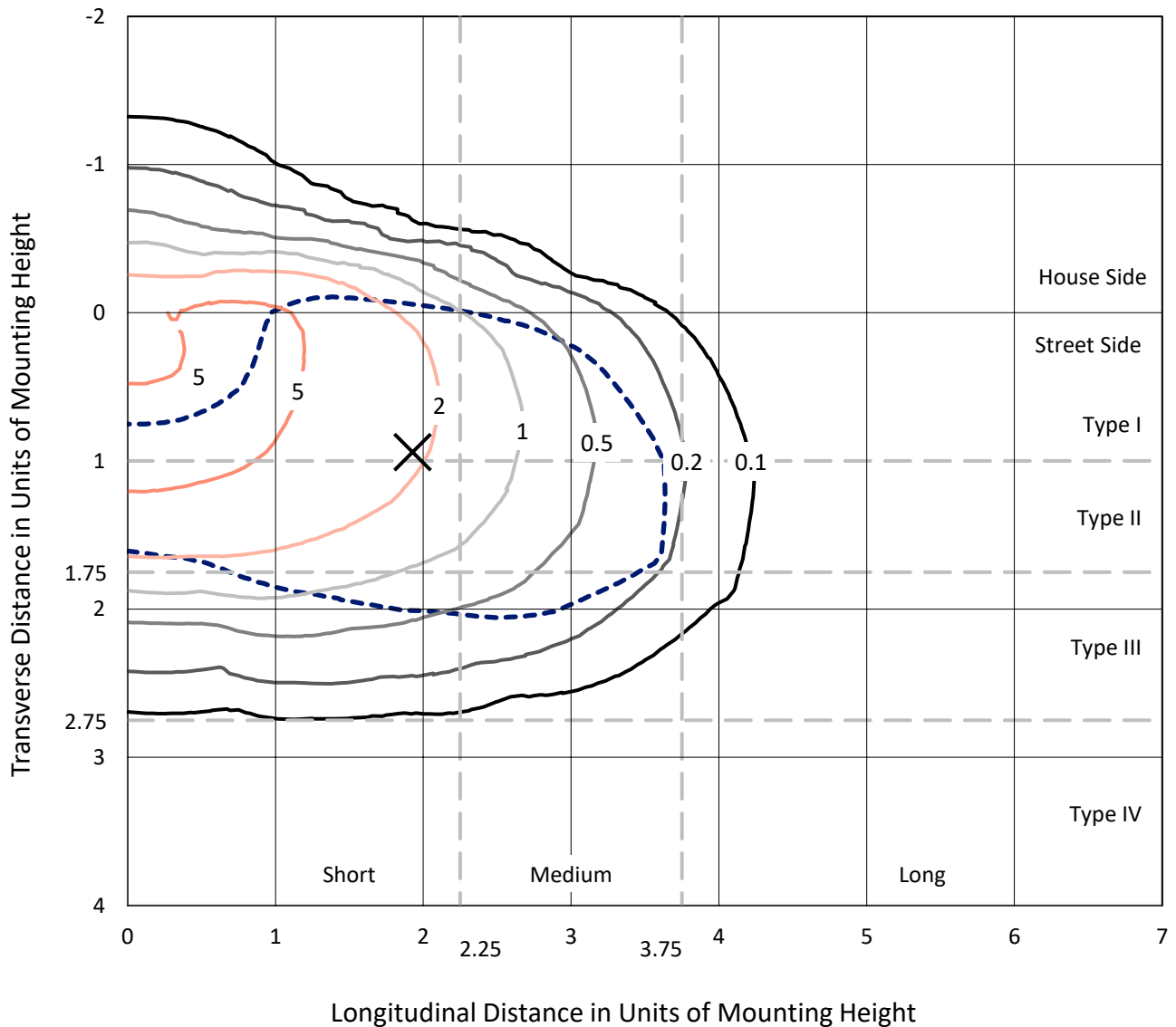
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

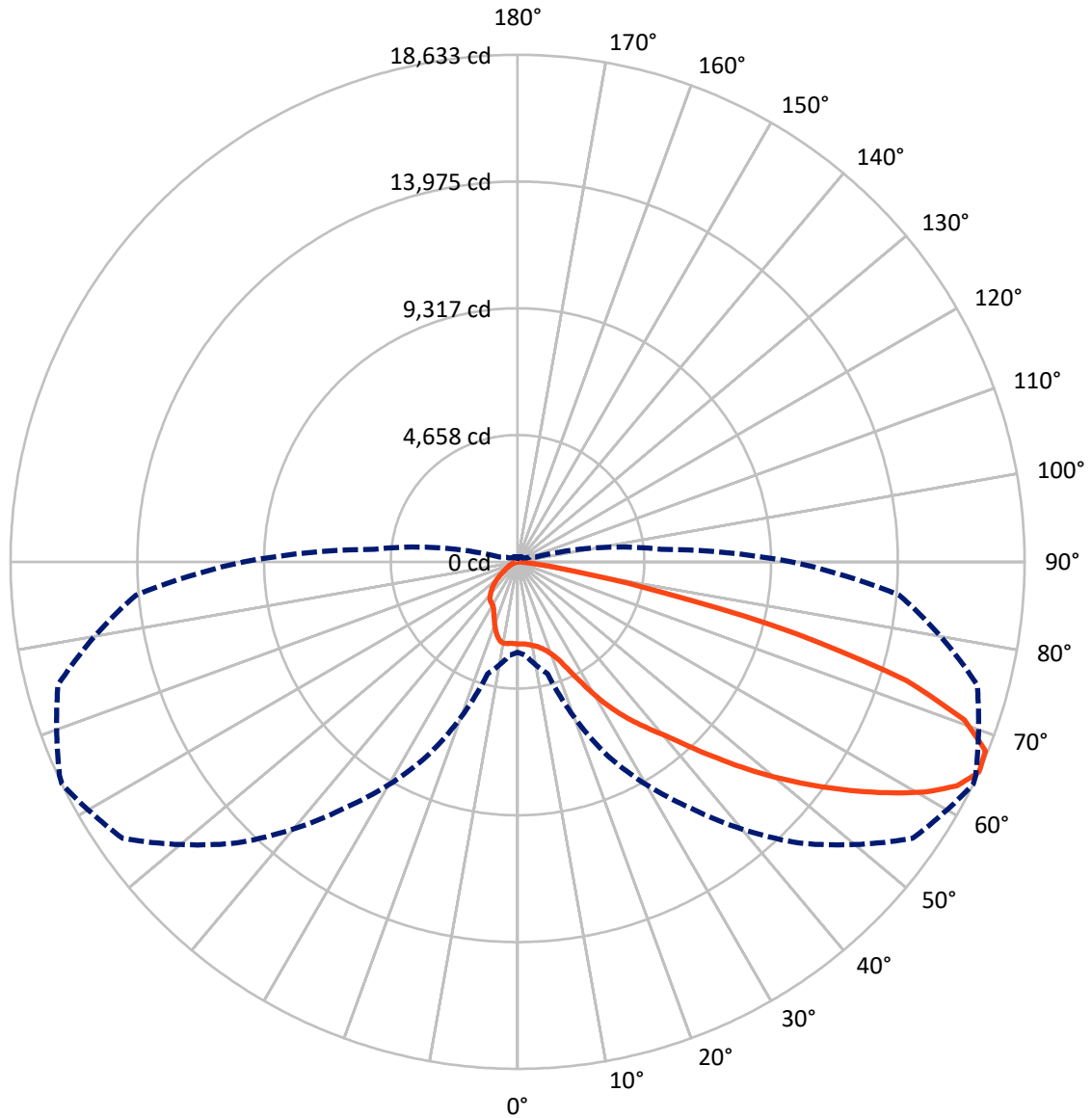
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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
House Side	Lumens	3471.9	0.0	3471.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22490.1	0.0	22490.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	25962.0	0.0	25962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	1.1
10°-20°	755.6	2.9
20°-30°	1431.8	5.5
30°-40°	2897.4	11.2
40°-50°	4935.7	19.0
50°-60°	6712.2	25.9
60°-70°	6303.1	24.3
70°-80°	2525.3	9.7
80°-90°	122.3	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°	25962.0	100.0
0°-180°	25962.0	100.0

Coefficient of Utilization

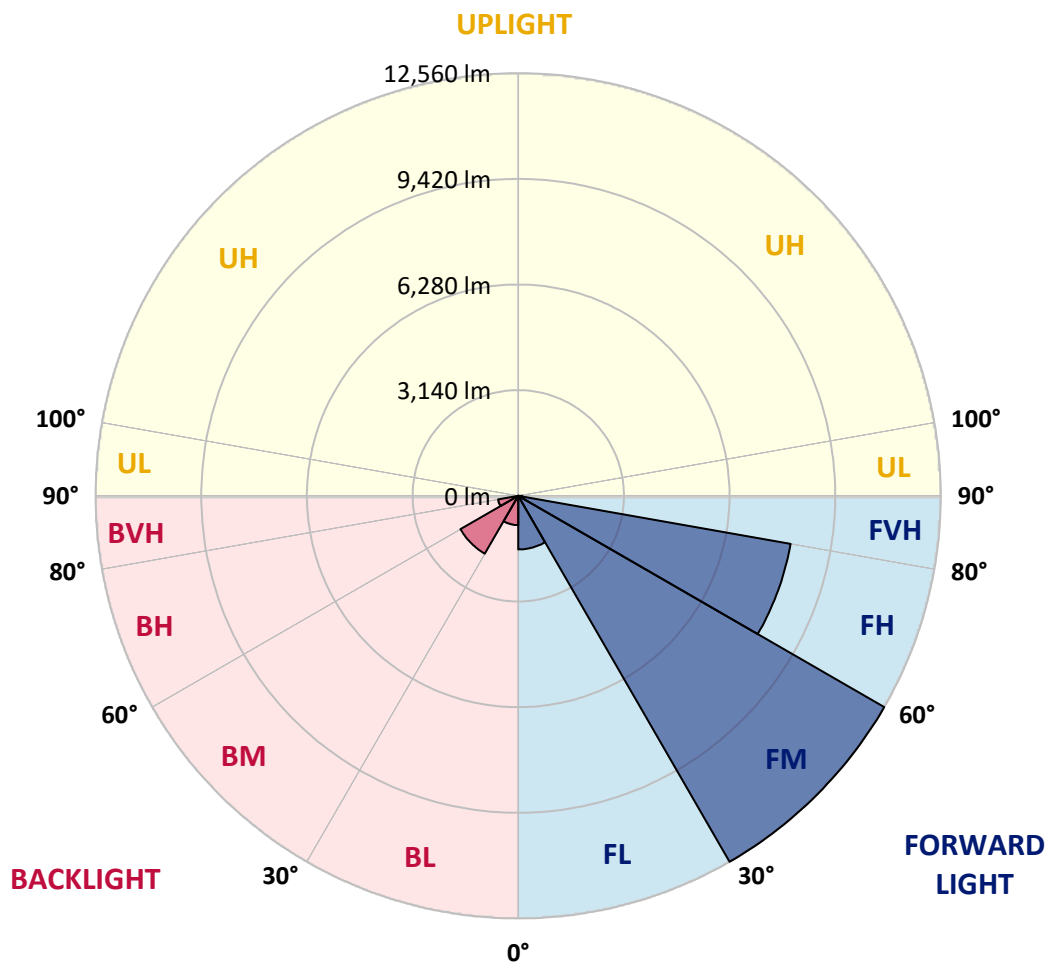


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1594.4	6.1			
FM (30°-60°)	12560.4	48.4			
FH (60°-80°)	8219.0	31.7			G4/12000
FVH (80°-90°)	116.4	0.4			G2/225
BL (0°-30°)	871.7	3.4	B2/1000		
BM (30°-60°)	1984.9	7.6	B2/2500		
BH (60°-80°)	609.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.0	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7
2.5°	3009.2	3030.1	3024.9	3019.7	3017.9	3021.4	3023.1	3021.4	3021.4	3021.4
5°	2951.8	2969.2	2969.2	2981.4	2998.8	3019.7	3035.3	3038.8	3042.3	3047.5
7.5°	2842.1	2856.0	2866.5	2906.5	2950.0	3005.7	3052.7	3077.1	3080.6	3099.7
10°	2767.3	2784.7	2802.1	2843.9	2906.5	2990.1	3070.1	3129.3	3138.0	3183.3
12.5°	2763.8	2781.2	2803.8	2849.1	2922.2	3010.9	3108.4	3193.7	3209.4	3275.5
15°	2800.4	2821.2	2842.1	2897.8	2976.1	3084.0	3188.5	3294.6	3310.3	3404.3
17.5°	2875.2	2903.0	2918.7	2974.4	3057.9	3178.0	3315.5	3437.4	3451.3	3560.9
20°	3023.1	3056.2	3061.4	3106.7	3188.5	3317.3	3480.9	3632.3	3649.7	3775.0
22.5°	3329.4	3376.4	3334.7	3357.3	3430.4	3559.2	3736.7	3928.2	3952.5	4095.2
25°	3869.0	3935.1	3827.2	3788.9	3820.2	3954.3	4177.0	4419.0	4446.8	4561.7
27.5°	4928.9	4843.6	4680.0	4519.9	4425.9	4502.5	4753.1	5052.5	5087.3	5198.7
30°	6093.3	6018.4	5797.4	5442.3	5219.6	5207.4	5438.9	5773.0	5813.0	5919.2
32.5°	7259.3	7188.0	6947.8	6511.0	6124.6	5933.1	6093.3	6464.0	6484.9	6552.7
35°	8406.3	8333.2	8093.0	7645.7	7170.6	6735.5	6704.1	7121.8	7128.8	7200.2
37.5°	9560.2	9499.3	9243.4	8804.8	8336.7	7736.2	7445.6	7744.9	7753.6	7823.2
40°	10383.4	10409.5	10233.7	9894.4	9492.3	8836.2	8277.5	8408.0	8355.8	8472.4
42.5°	11090.0	11142.2	10989.1	10818.5	10585.3	10007.5	9307.8	9285.2	9201.7	9264.3
45°	11700.9	11744.4	11606.9	11566.9	11561.7	11156.2	10433.9	10298.1	10181.5	10169.3
47.5°	11925.4	12009.0	12068.2	12202.2	12463.2	12292.7	11598.2	11387.6	11257.1	11161.4
50°	12010.7	12099.5	12301.4	12691.2	13309.1	13382.2	12757.4	12520.7	12360.6	12186.5
52.5°	11895.9	12054.2	12325.7	12981.9	13878.2	14255.9	13869.5	13662.4	13479.6	13196.0
55°	11218.8	11377.2	11932.4	12978.4	14161.9	14868.5	14920.7	14828.5	14623.1	14175.8
57.5°	9791.7	10026.6	10905.5	12536.3	14156.7	15395.9	15951.1	16017.2	15787.5	15147.0
60°	7814.5	8133.0	9205.1	11556.5	13719.8	15681.3	16854.3	17185.0	16941.4	16104.2
62.5°	5452.8	5821.7	6836.4	10021.4	12720.8	15475.9	17514.0	18124.9	17940.4	16960.5
65°	3326.0	3444.3	4262.3	7885.9	11022.2	14616.2	17717.6	18633.1	18572.2	17484.4
67.5°	2215.6	2314.8	2549.7	5407.5	8556.0	12898.3	17230.3	18544.3	18561.7	17399.1
70°	1334.9	1420.2	1573.4	3145.0	5545.0	10209.4	15721.3	17413.0	17514.0	16259.1
72.5°	550.0	607.4	746.6	1425.4	2871.7	6479.6	12518.9	14950.3	15185.3	13671.1
75°	311.5	341.1	438.6	715.3	1246.1	3019.7	7583.1	10613.2	10959.5	9422.7
77.5°	207.1	221.0	283.7	463.0	701.4	1030.3	3240.7	5529.4	6190.7	5146.5
80°	139.2	151.4	194.9	309.8	456.0	442.1	1032.1	2048.5	2520.1	1768.3
82.5°	94.0	95.7	139.2	203.6	288.9	214.1	304.6	637.0	800.6	511.7
85°	54.0	52.2	102.7	118.3	128.8	88.8	92.2	191.4	250.6	215.8
87.5°	7.0	10.4	40.0	31.3	17.4	19.1	19.1	33.1	48.7	52.2
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°
3019.7	0°	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7	3019.7
3023.1	2.5°	3023.1	3021.4	3016.2	3010.9	2998.8	2991.8	2995.3	2991.8	2990.1	2991.8
3045.8	5°	3045.8	3040.5	3026.6	3009.2	2984.8	2955.3	2936.1	2908.3	2882.2	2866.5
3106.7	7.5°	3106.7	3101.5	3082.3	3033.6	2955.3	2831.7	2718.6	2619.4	2544.5	2501.0
3204.1	10°	3204.1	3195.4	3165.8	3057.9	2852.6	2582.8	2358.3	2172.1	2050.2	1992.8
3319.0	12.5°	3319.0	3308.6	3256.3	3035.3	2657.6	2236.5	1926.7	1719.5	1606.4	1555.9
3451.3	15°	3454.8	3440.8	3338.1	2927.4	2373.9	1853.6	1569.9	1415.0	1341.9	1296.6
3620.1	17.5°	3623.6	3599.2	3399.1	2765.5	2065.9	1561.2	1350.6	1234.0	1169.6	1126.1
3841.1	20°	3842.9	3802.8	3447.8	2572.4	1782.2	1376.7	1202.6	1105.2	1056.4	1018.2
4154.4	22.5°	4149.2	4091.8	3507.0	2363.5	1582.1	1249.6	1093.0	1021.6	981.6	938.1
4591.3	25°	4528.6	4460.7	3580.1	2170.3	1444.6	1140.0	1012.9	953.8	906.8	856.3
5163.9	27.5°	5059.4	4937.6	3667.1	2011.9	1326.2	1046.0	939.8	873.7	819.7	778.0
5813.0	30°	5651.2	5451.0	3743.7	1916.2	1218.3	959.0	844.1	778.0	727.5	697.9
6396.1	32.5°	6211.6	5940.1	3794.1	1874.4	1120.8	859.8	739.7	668.3	630.0	621.3
6967.0	35°	6740.7	6382.2	3788.9	1834.4	1033.8	760.6	637.0	563.9	534.3	539.5
7581.3	37.5°	7349.8	6853.8	3752.4	1771.8	962.5	670.1	548.2	483.8	457.7	459.5
8328.0	40°	8058.2	7398.6	3729.7	1653.4	884.1	586.5	475.1	422.9	403.8	396.8
9114.6	42.5°	8813.5	7925.9	3733.2	1519.4	786.7	511.7	424.7	381.2	363.8	358.5
9990.1	45°	9572.4	8428.9	3738.4	1380.2	684.0	454.3	388.1	351.6	341.1	334.2
10877.7	47.5°	10286.0	8857.1	3641.0	1230.5	583.0	410.7	358.5	334.2	325.5	316.8
11768.8	50°	10950.8	9142.5	3406.0	1056.4	503.0	375.9	335.9	318.5	309.8	301.1
12576.4	52.5°	11467.7	9187.7	3017.9	877.2	447.3	349.8	322.0	306.3	295.9	287.2
13229.0	55°	11697.4	8904.1	2466.2	710.1	403.8	327.2	308.1	292.4	280.2	271.5
13742.5	57.5°	11638.3	8307.1	1923.2	570.9	362.0	304.6	290.7	280.2	266.3	252.4
14158.4	60°	11347.6	7508.2	1449.8	475.1	323.7	280.2	271.5	262.8	243.7	222.8
14318.5	62.5°	10844.6	6504.0	1033.8	393.3	282.0	252.4	248.9	241.9	214.1	175.8
14081.8	65°	10075.4	5284.0	696.2	327.2	241.9	221.0	222.8	210.6	174.0	130.5
13215.1	67.5°	8951.0	3863.8	445.6	268.0	201.9	184.5	186.2	179.3	147.9	111.4
11572.1	70°	7518.7	2558.4	290.7	203.6	161.9	142.7	153.2	154.9	125.3	90.5
8881.4	72.5°	5511.9	1510.7	203.6	151.4	118.3	99.2	125.3	128.8	100.9	67.9
5343.1	75°	3141.5	717.1	153.2	109.6	73.1	69.6	97.5	97.5	69.6	45.3
2313.0	77.5°	1319.2	299.4	107.9	71.4	41.8	40.0	66.1	60.9	34.8	20.9
563.9	80°	381.2	134.0	57.4	34.8	17.4	15.7	26.1	19.1	8.7	3.5
214.1	82.5°	149.7	59.2	22.6	13.9	7.0	7.0	3.5	0.0	0.0	0.0
121.8	85°	88.8	24.4	10.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0
26.1	87.5°	22.6	5.2	3.5	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°
3019.7
2998.8
2870.0
2502.7
1987.6
1550.7
1298.4
1122.6
1011.2
931.1
851.1
769.3
692.7
626.6
539.5
466.4
395.1
356.8
334.2
316.8
301.1
285.4
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