

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: P853004

Luminaire Tested: **GLAN-SB8A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853004
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-SB8A-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA 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: 26529 lumens
Efficiency: N/A
Efficacy: 116.8 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

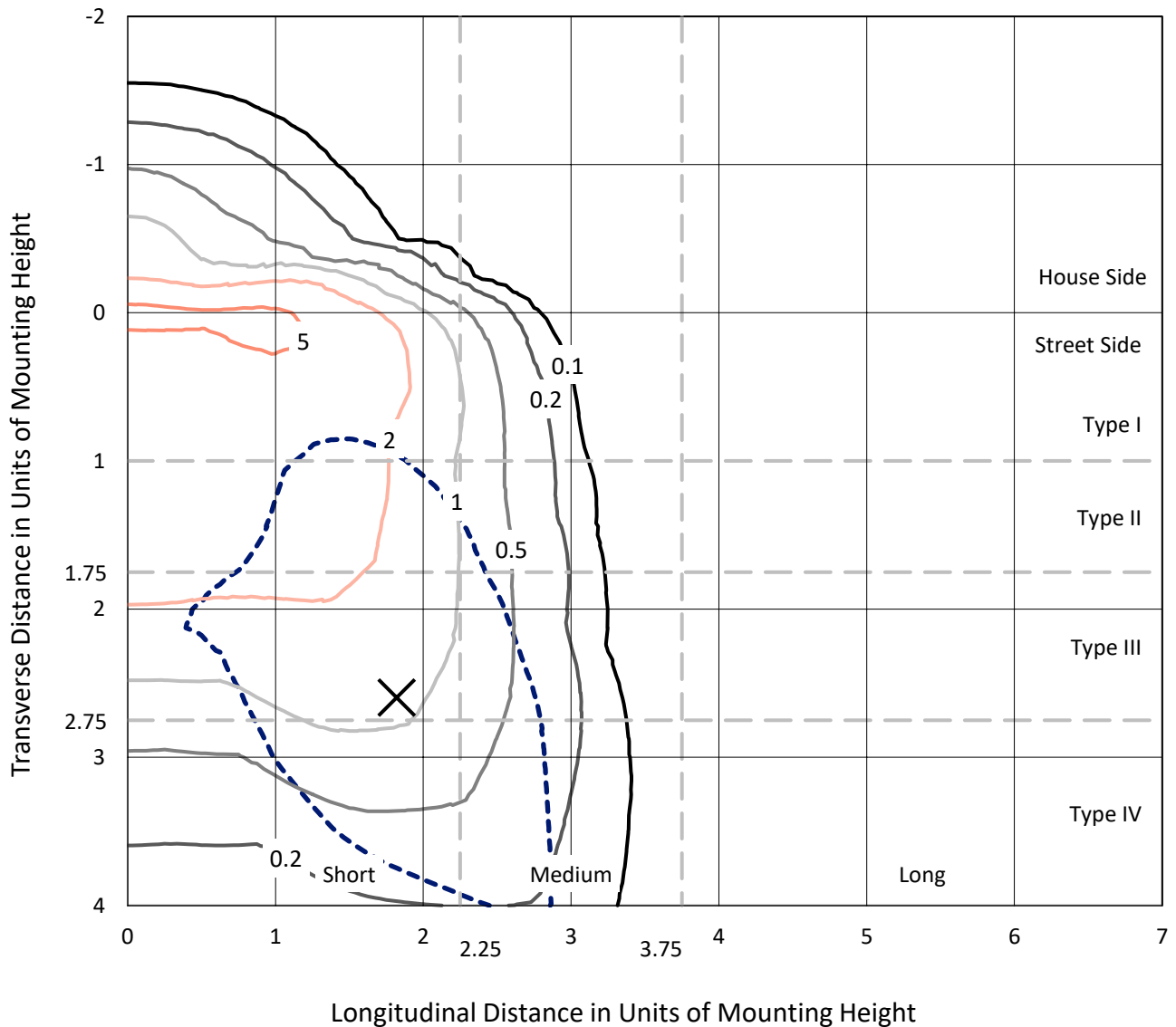
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

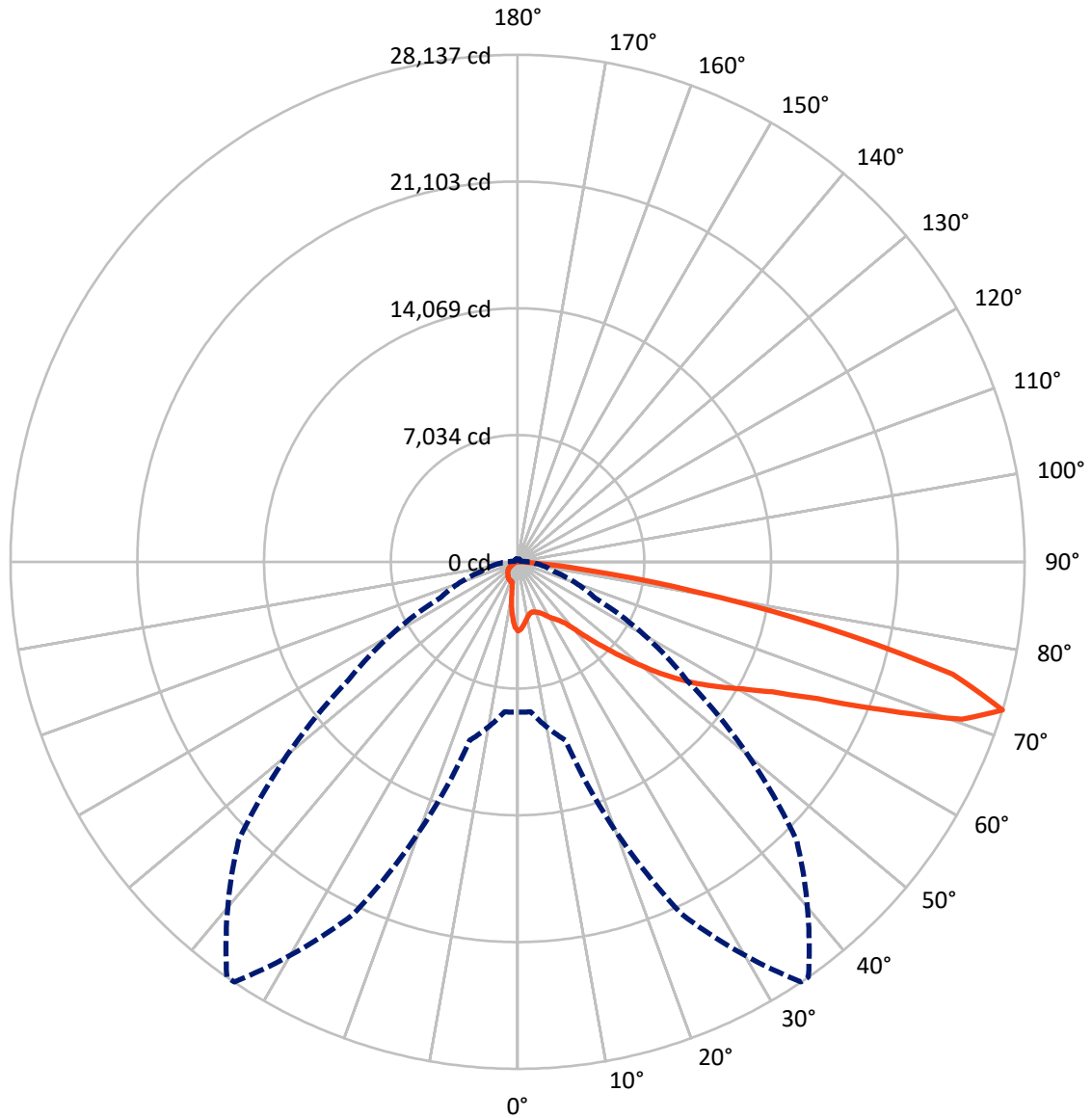
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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
House Side	Lumens	2985.7	0.0	2985.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	23543.3	0.0	23543.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	26529.0	0.0	26529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.0	1.2
10°-20°	739.1	2.8
20°-30°	1200.7	4.5
30°-40°	2003.4	7.6
40°-50°	3790.4	14.3
50°-60°	6022.9	22.7
60°-70°	7450.8	28.1
70°-80°	4631.5	17.5
80°-90°	374.3	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°	26529.0	100.0
0°-180°	26529.0	100.0

Coefficient of Utilization



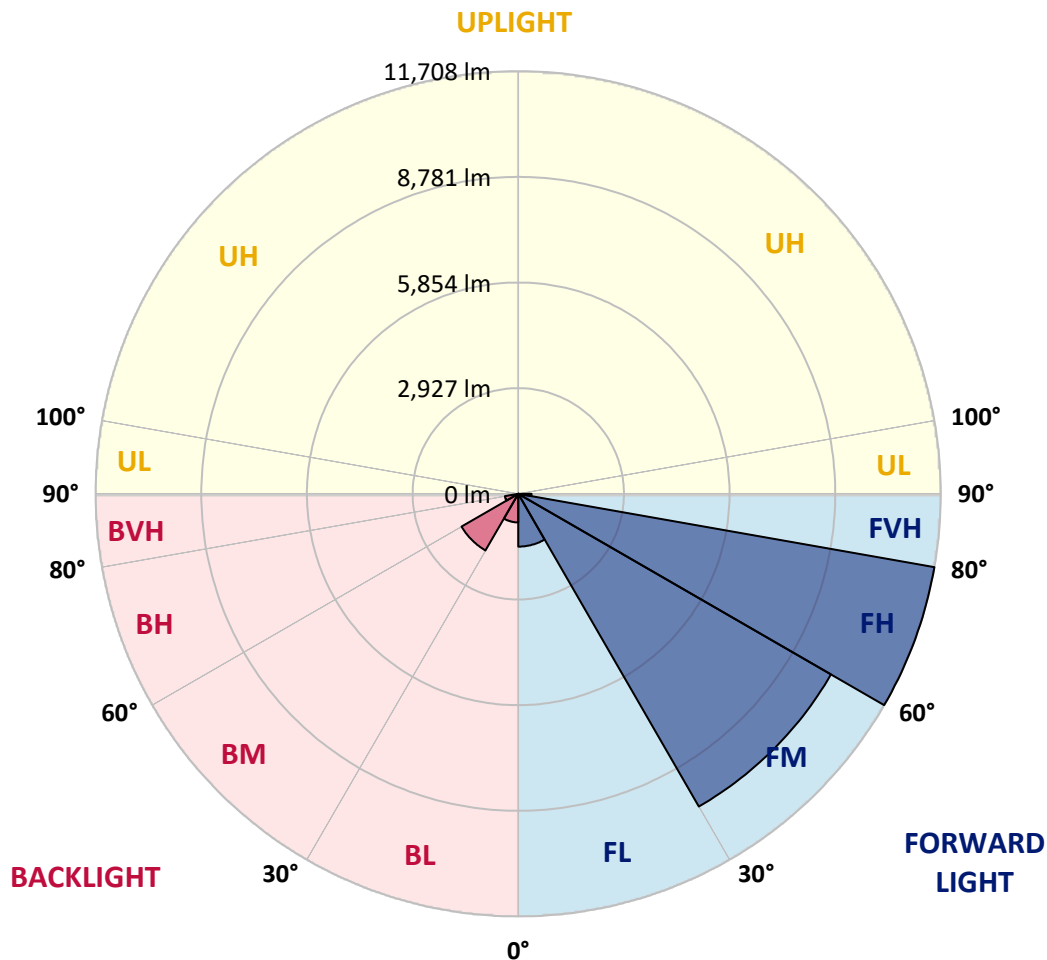
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1462.4	5.5			
FM (30°-60°)	10004.1	37.7			
FH (60°-80°)	11707.6	44.1			G4/12000
FVH (80°-90°)	369.2	1.4			G3/500
BL (0°-30°)	793.4	3.0	B2/1000		
BM (30°-60°)	1812.6	6.8	B2/2500		
BH (60°-80°)	374.7	1.4	B1/500		G1/500
BVH (80°-90°)	5.1	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°	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9
2.5°	3673.9	3705.0	3710.8	3720.5	3720.5	3732.2	3751.6	3778.9	3823.6	3846.9
5°	3386.2	3409.5	3438.7	3462.0	3506.7	3512.5	3588.4	3662.2	3765.2	3843.0
7.5°	3096.6	3123.8	3162.6	3219.0	3277.3	3294.8	3409.5	3533.9	3697.2	3843.0
10°	2892.5	2894.4	2929.4	2985.8	3079.1	3100.4	3240.4	3417.3	3621.4	3819.7
12.5°	2777.8	2791.4	2806.9	2849.7	2939.1	2952.7	3102.4	3310.4	3545.6	3806.1
15°	2777.8	2787.5	2797.2	2818.6	2890.5	2902.2	3034.4	3242.3	3506.7	3811.9
17.5°	2806.9	2822.5	2814.7	2840.0	2915.8	2923.6	3040.2	3222.9	3504.8	3848.8
20°	2876.9	2888.6	2873.0	2888.6	2964.4	2979.9	3100.4	3259.8	3537.8	3913.0
22.5°	2987.7	2993.5	2956.6	2968.3	3046.0	3065.5	3205.4	3364.8	3617.5	4016.0
25°	3127.7	3139.3	3083.0	3096.6	3170.4	3193.8	3355.1	3522.3	3743.9	4157.9
27.5°	3289.0	3294.8	3246.2	3244.3	3339.5	3372.6	3535.9	3716.6	3913.0	4336.7
30°	3473.7	3491.2	3444.5	3436.7	3557.3	3584.5	3745.8	3955.7	4161.8	4605.0
32.5°	3619.5	3633.1	3605.8	3625.3	3747.7	3769.1	4000.4	4294.0	4552.5	4986.0
35°	3829.4	3837.2	3775.0	3810.0	3949.9	4004.3	4348.4	4768.3	5044.3	5464.2
37.5°	4589.4	4589.4	4325.1	4152.1	4286.2	4334.8	4824.6	5365.0	5650.8	6105.6
40°	5641.1	5623.6	5236.7	4883.0	4865.5	4960.7	5503.0	6117.3	6434.2	6875.4
42.5°	6762.7	6735.5	6208.7	5858.8	5800.5	5833.5	6286.4	7044.5	7367.2	7814.3
45°	7757.9	7750.1	7268.1	6797.7	6692.7	6797.7	7264.2	8129.2	8360.5	8830.9
47.5°	8591.8	8591.8	8240.0	7932.9	7878.4	7940.6	8587.9	9332.4	9311.1	9913.7
50°	9552.1	9544.3	9210.0	9077.8	9134.2	9221.6	10111.9	10599.8	10294.6	10976.9
52.5°	10224.7	10271.3	10156.6	10135.3	10422.9	10574.6	11659.2	11840.0	11175.2	11985.8
55°	10757.3	10811.7	10943.9	11093.6	11647.6	11845.8	13157.9	13016.0	11911.9	12860.5
57.5°	11511.5	11433.7	11637.8	11933.3	12829.4	13068.5	14610.0	14126.0	12504.8	13570.0
60°	12427.1	12438.7	12473.7	12846.9	14009.3	14316.5	16040.7	15175.7	12885.8	14005.5
62.5°	13527.3	13544.8	13616.7	14190.1	15593.6	15883.2	17564.7	16034.8	13060.7	13883.0
65°	13451.5	13525.3	14328.1	16289.5	18002.0	18287.8	19343.3	16637.4	12796.4	12763.3
67.5°	12254.1	12374.6	13717.8	18797.1	21633.1	21951.9	21493.2	16756.0	11655.3	9925.3
70°	10683.4	10726.2	12341.5	21051.9	25837.7	26160.4	23417.6	15451.7	8844.5	5536.1
72.5°	8343.0	8352.7	10248.0	21574.8	28119.8	28137.3	21907.2	11470.7	4756.6	2126.6
75°	5959.9	5901.5	6863.7	17496.6	24739.4	24937.7	16423.6	5380.6	1817.5	1005.0
77.5°	3195.7	3259.8	3883.8	10376.3	17090.4	17428.6	8961.2	1551.2	925.3	684.2
80°	987.5	1041.9	1592.0	4750.8	9680.4	9884.5	3322.0	690.1	645.4	487.9
82.5°	311.0	322.7	742.6	1996.3	4017.9	4111.2	962.2	390.7	441.3	322.7
85°	89.4	91.4	330.5	744.5	993.3	1012.7	270.2	151.6	252.7	200.2
87.5°	9.7	31.1	124.4	124.4	87.5	85.5	29.2	33.0	71.9	25.3
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°
3844.9	0°	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9	3844.9
3862.4	2.5°	3852.7	3854.7	3829.4	3786.6	3740.0	3701.1	3652.5	3613.6	3586.4	3578.6
3897.4	5°	3879.9	3866.3	3794.4	3664.2	3508.7	3374.5	3224.9	3106.3	3028.5	2995.5
3934.4	7.5°	3920.8	3881.9	3724.4	3467.8	3170.4	2906.1	2637.8	2429.8	2297.6	2231.5
3969.3	10°	3955.7	3878.0	3607.8	3184.0	2729.2	2328.7	1967.2	1716.4	1576.5	1510.4
4010.2	12.5°	3988.8	3876.0	3456.2	2847.7	2231.5	1741.7	1405.4	1281.0	1242.1	1228.5
4076.3	15°	4051.0	3881.9	3265.7	2462.9	1735.9	1316.0	1193.5	1191.6	1199.4	1195.5
4177.3	17.5°	4136.5	3887.7	3049.9	2054.7	1339.3	1160.5	1154.6	1172.1	1183.8	1178.0
4303.7	20°	4247.3	3911.0	2820.5	1650.3	1150.8	1121.6	1135.2	1150.8	1160.5	1150.8
4472.8	22.5°	4402.8	3951.9	2569.8	1325.7	1090.5	1098.3	1109.9	1127.4	1137.2	1123.5
4688.6	25°	4593.3	4016.0	2322.9	1152.7	1061.3	1071.1	1088.6	1108.0	1119.7	1106.1
4960.7	27.5°	4840.2	4119.0	2095.5	1113.8	1032.2	1038.0	1063.3	1092.4	1108.0	1090.5
5347.5	30°	5197.9	4288.1	1899.1	1131.3	1014.7	1001.1	1036.1	1076.9	1094.4	1078.8
5874.3	32.5°	5672.2	4527.2	1778.6	1158.5	1006.9	958.3	991.4	1043.8	1073.0	1063.3
6562.4	35°	6294.2	4890.7	1732.0	1189.6	1001.1	913.6	936.9	993.3	1043.8	1053.6
7429.4	37.5°	7048.4	5396.1	1745.6	1203.2	983.6	876.7	888.3	936.9	1003.0	1034.1
8405.2	40°	7905.7	5985.1	1823.3	1189.6	964.2	845.6	847.5	884.5	942.8	989.4
9454.9	42.5°	8790.1	6673.2	1967.2	1139.1	946.7	818.4	812.5	837.8	876.7	909.7
10502.6	45°	9631.8	7380.8	2109.1	1069.1	925.3	791.1	777.5	787.3	795.0	808.6
11523.2	47.5°	10366.6	7878.4	2068.3	1005.0	896.1	760.0	736.7	732.8	709.5	707.6
12434.8	50°	10873.9	7987.3	1836.9	940.8	853.4	725.1	688.1	664.8	624.0	604.5
13117.1	52.5°	11035.3	7557.7	1500.7	876.7	783.4	678.4	625.9	589.0	538.4	521.0
13509.8	55°	10821.4	6716.0	1199.4	798.9	686.2	616.2	557.9	509.3	468.5	447.1
13552.5	57.5°	10298.5	5644.9	948.6	707.6	583.2	546.2	487.9	439.3	404.3	382.9
13078.2	60°	9431.6	4482.5	750.3	598.7	497.6	470.4	410.2	379.1	347.9	322.7
11853.6	62.5°	8115.6	3199.6	589.0	474.3	416.0	384.9	349.9	326.6	289.6	254.6
9651.2	65°	6333.1	1957.5	454.9	347.9	334.3	318.8	297.4	276.0	231.3	196.3
6296.1	67.5°	3994.6	927.2	324.6	262.4	264.4	256.6	246.9	229.4	196.3	165.2
2820.5	70°	1759.2	449.0	213.8	200.2	196.3	196.3	204.1	198.3	167.2	138.0
979.7	72.5°	598.7	241.0	159.4	151.6	141.9	140.0	171.1	165.2	134.1	106.9
487.9	75°	313.0	161.3	116.6	108.9	85.5	103.0	136.1	128.3	95.2	70.0
322.7	77.5°	204.1	114.7	79.7	70.0	48.6	68.0	101.1	89.4	56.4	35.0
211.9	80°	128.3	75.8	46.7	33.0	23.3	36.9	54.4	38.9	21.4	7.8
124.4	82.5°	68.0	38.9	17.5	11.7	9.7	11.7	13.6	9.7	3.9	0.0
64.1	85°	27.2	13.6	5.8	3.9	1.9	0.0	3.9	1.9	0.0	0.0
11.7	87.5°	9.7	1.9	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°
3844.9
3592.2
3007.1
2241.3
1512.3
1224.6
1193.5
1176.0
1148.8
1121.6
1104.1
1090.5
1076.9
1063.3
1053.6
1041.9
1005.0
923.3
816.4
705.6
606.5
519.0
447.1
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248.8
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