

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: P849045

Luminaire Tested: **GLAN-SB5D-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849045
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-SB5D-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA 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: 24173 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

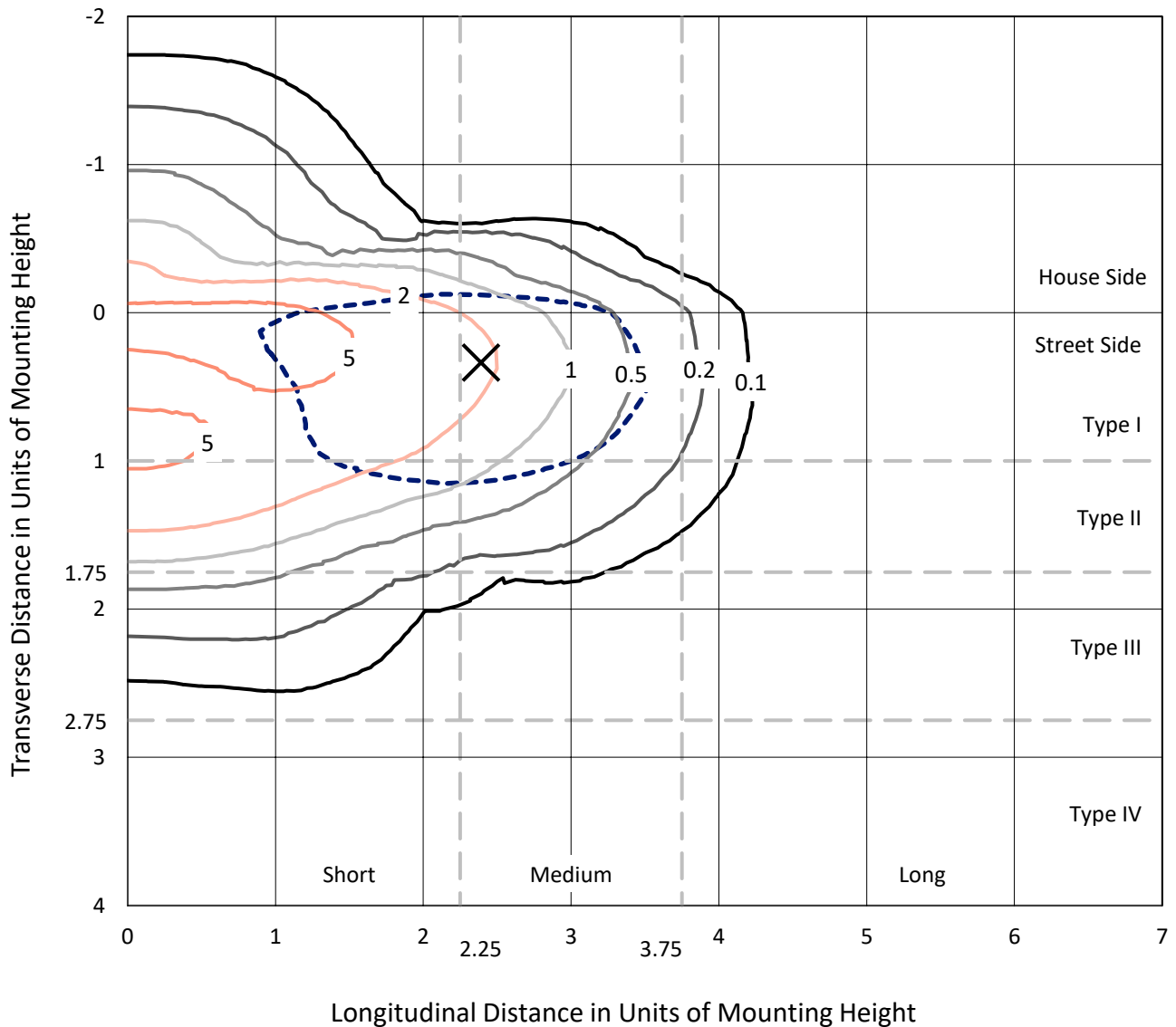
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

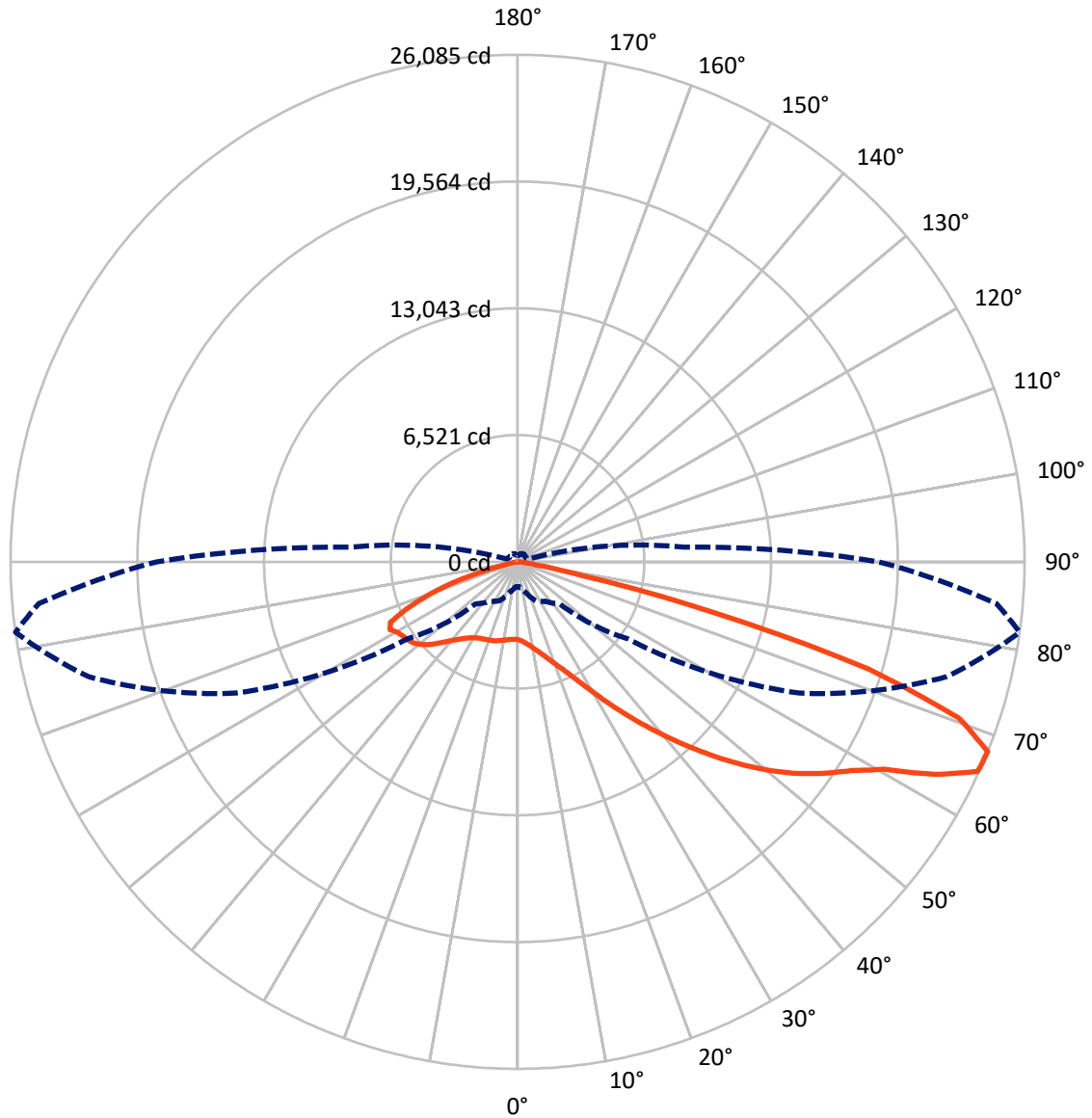
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Medium - N/A

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CATALOG NUMBER: GLAN-SB5D-927-U-T2-HSS

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
House Side	Lumens	4378.7	0.0	4378.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19794.3	0.0	19794.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	24173.0	0.0	24173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.8	1.5
10°-20°	927.1	3.8
20°-30°	1485.0	6.1
30°-40°	2625.9	10.9
40°-50°	4600.8	19.0
50°-60°	6136.2	25.4
60°-70°	5712.5	23.6
70°-80°	2192.5	9.1
80°-90°	136.2	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°	24173.0	100.0
0°-180°	24173.0	100.0

Coefficient of Utilization

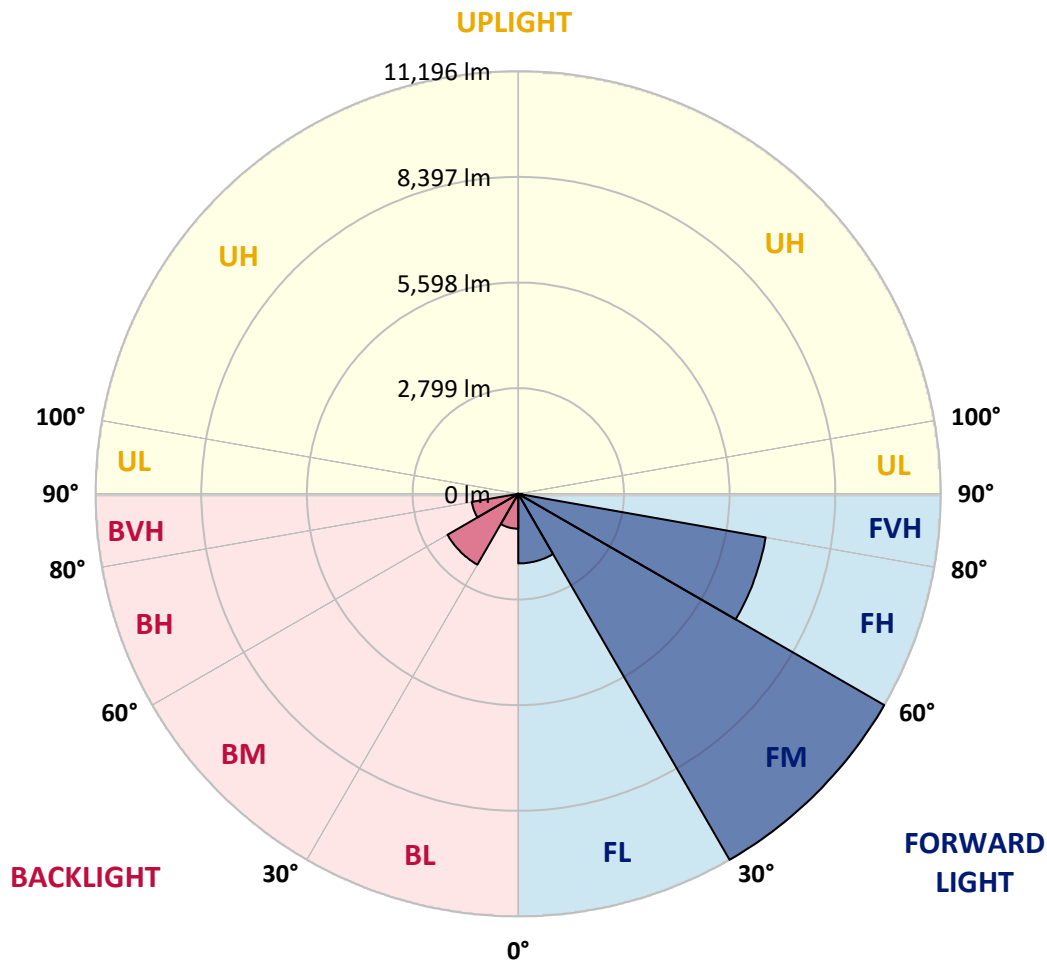


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1844.1	7.6			
FM (30°-60°)	11195.9	46.3			
FH (60°-80°)	6655.2	27.5			G3/7500
FVH (80°-90°)	99.0	0.4			G1/100
BL (0°-30°)	924.8	3.8	B2/1000		
BM (30°-60°)	2167.0	9.0	B2/2500		
BH (60°-80°)	1249.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6
2.5°	4232.6	4257.0	4243.1	4236.1	4223.9	4206.5	4192.6	4149.1	4103.9	4074.3
5°	4317.9	4342.3	4340.5	4347.5	4356.2	4361.4	4357.9	4309.2	4244.8	4194.4
7.5°	4244.8	4272.7	4295.3	4330.1	4391.0	4455.4	4486.7	4476.3	4410.2	4340.5
10°	4037.7	4067.3	4121.3	4203.1	4331.8	4471.1	4587.7	4641.6	4599.9	4523.3
12.5°	3658.3	3687.9	3794.1	3971.6	4187.4	4429.3	4652.1	4796.5	4807.0	4730.4
15°	3231.9	3261.5	3374.6	3597.4	3926.3	4314.4	4686.9	4960.1	5052.4	4986.2
17.5°	2967.4	2993.5	3078.8	3258.0	3600.9	4084.7	4674.7	5134.2	5344.8	5292.5
20°	2887.3	2909.9	2950.0	3075.3	3360.7	3846.3	4594.6	5297.8	5659.8	5630.2
22.5°	2972.6	2993.5	3005.7	3061.4	3240.6	3689.6	4493.7	5464.8	6025.2	6028.7
25°	3169.3	3190.1	3176.2	3211.0	3289.3	3640.9	4455.4	5661.5	6484.7	6523.0
27.5°	3493.0	3494.7	3461.6	3459.9	3472.1	3714.0	4495.4	5872.1	7064.3	7135.6
30°	4142.1	4116.0	3989.0	3851.5	3788.8	3933.3	4606.8	6121.0	7748.2	7875.3
32.5°	5142.9	5104.6	4871.4	4542.4	4211.8	4286.6	4807.0	6404.7	8493.1	8722.9
35°	6228.9	6218.4	5974.8	5485.7	4907.9	4789.6	5132.4	6777.1	9305.9	9671.4
37.5°	7238.3	7233.1	7093.8	6517.8	5814.7	5490.9	5654.5	7264.4	10176.1	10705.2
40°	8160.7	8176.4	8037.1	7522.0	6813.6	6390.7	6364.6	7866.6	11143.7	11831.2
42.5°	8957.8	8975.2	8834.2	8453.1	7800.4	7386.2	7236.6	8604.5	12088.8	13040.8
45°	9499.1	9607.0	9586.1	9281.5	8813.4	8383.5	8284.3	9530.4	13166.1	14323.4
47.5°	9652.2	9751.4	9908.1	9949.8	9664.4	9241.5	9359.8	10646.0	14255.6	15607.9
50°	9274.6	9366.8	9692.3	10125.6	10324.0	10193.5	10405.8	11841.6	15371.2	16888.8
52.5°	8529.7	8623.7	9034.4	9720.1	10529.4	10940.1	11455.3	13019.9	16452.0	18101.8
55°	7452.4	7551.6	8078.9	8855.1	10137.8	11248.2	12330.7	14196.4	17442.2	19193.1
57.5°	5987.0	6060.1	6608.3	7694.3	9152.7	10941.9	12976.4	15480.8	18375.1	20265.2
60°	3902.0	3966.4	4603.3	5814.7	7520.2	9918.5	13105.2	16913.2	19614.2	21659.2
62.5°	2594.9	2638.4	3016.1	3905.4	5296.0	7953.6	12351.6	18056.6	21431.2	24085.3
65°	1780.4	1823.9	2201.6	2821.2	3421.6	5261.2	10184.8	17905.2	23077.6	26011.9
67.5°	1270.5	1307.0	1627.3	2212.0	2476.6	3056.1	6904.1	15969.9	22840.9	26085.0
70°	910.2	931.1	1195.7	1723.0	1968.4	1836.1	3839.3	12214.1	19998.9	24087.1
72.5°	637.0	643.9	830.2	1312.3	1585.5	1340.1	1827.4	8143.3	15125.8	18905.9
75°	431.6	440.3	558.7	962.4	1272.2	1023.4	967.7	4366.7	8879.5	10465.0
77.5°	264.5	268.0	360.3	657.9	952.0	779.7	623.1	1850.0	3435.5	3372.9
80°	149.7	149.7	229.7	409.0	649.2	503.0	436.8	786.7	1087.7	955.5
82.5°	83.5	85.3	167.1	254.1	429.9	297.6	240.2	363.7	469.9	416.0
85°	34.8	38.3	102.7	120.1	205.4	147.9	97.5	153.2	174.0	154.9
87.5°	3.5	5.2	31.3	22.6	24.4	29.6	13.9	29.6	24.4	24.4
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°
4004.6	0°	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6	4004.6
4063.8	2.5°	4030.8	4004.6	3938.5	3861.9	3761.0	3712.3	3646.1	3600.9	3562.6	3566.1
4164.8	5°	4109.1	4042.9	3895.0	3710.5	3480.8	3317.2	3143.2	3023.1	2925.6	2904.7
4304.0	7.5°	4217.0	4112.6	3853.2	3520.8	3132.7	2838.6	2575.8	2407.0	2286.9	2248.6
4472.8	10°	4356.2	4204.8	3799.3	3282.4	2723.7	2349.5	2067.6	1935.3	1853.5	1825.7
4671.2	12.5°	4518.1	4311.0	3727.9	2991.7	2302.5	1942.3	1763.0	1696.9	1670.8	1662.1
4914.9	15°	4721.7	4443.2	3620.0	2647.1	1945.8	1693.4	1616.8	1608.1	1611.6	1608.1
5207.3	17.5°	4963.6	4587.7	3444.2	2292.1	1705.6	1566.4	1538.5	1545.5	1554.2	1552.4
5534.5	20°	5228.1	4730.4	3219.7	1977.1	1542.0	1475.9	1460.2	1467.2	1474.1	1470.6
5912.1	22.5°	5529.2	4883.5	2970.9	1731.7	1432.3	1392.3	1374.9	1376.7	1376.7	1369.7
6390.7	25°	5889.5	5052.4	2709.8	1557.7	1348.8	1317.5	1296.6	1289.6	1279.2	1258.3
6972.0	27.5°	6319.4	5231.6	2459.2	1435.8	1282.7	1253.1	1228.7	1211.3	1185.2	1150.4
7669.9	30°	6803.2	5449.2	2246.8	1359.2	1230.5	1200.9	1173.0	1146.9	1108.6	1065.1
8472.2	32.5°	7372.3	5682.4	2092.0	1308.8	1183.5	1152.1	1119.1	1087.7	1046.0	1002.5
9373.8	35°	8051.1	5964.3	2001.5	1274.0	1146.9	1105.2	1068.6	1033.8	1002.5	964.2
10353.6	37.5°	8787.3	6263.7	1973.6	1256.6	1122.6	1058.2	1016.4	992.0	988.5	965.9
11413.5	40°	9593.1	6618.7	1994.5	1246.1	1096.4	1012.9	967.7	962.4	971.1	931.1
12546.5	42.5°	10445.8	7039.9	2029.3	1233.9	1059.9	967.7	924.1	924.1	917.2	861.5
13743.9	45°	11368.3	7525.5	2064.1	1204.4	1016.4	922.4	889.3	877.2	847.6	793.6
14948.2	47.5°	12297.6	8019.7	2090.2	1150.4	964.2	884.1	854.5	826.7	783.2	734.4
16130.0	50°	13180.0	8463.5	2062.4	1070.3	905.0	847.6	816.2	778.0	731.0	697.9
17249.1	52.5°	13968.4	8848.2	1944.0	976.4	842.4	809.3	781.4	741.4	703.1	668.3
18258.5	55°	14654.1	9159.7	1735.2	887.6	786.7	776.2	748.4	697.9	645.7	616.1
19259.2	57.5°	15312.0	9396.4	1474.1	814.5	736.2	739.7	697.9	652.6	603.9	572.6
20608.0	60°	16187.4	9713.1	1209.6	746.6	682.2	692.7	647.4	614.4	553.4	513.4
22921.0	62.5°	17586.7	10205.7	960.7	663.1	619.6	623.1	603.9	563.9	490.8	443.8
24635.3	65°	18697.1	10024.7	757.1	572.6	548.2	553.4	553.4	509.9	431.6	377.7
24727.5	67.5°	18571.8	8583.6	603.9	483.8	480.3	483.8	496.0	459.5	382.9	339.4
22844.4	70°	17108.1	6827.6	483.8	402.0	417.7	409.0	443.8	419.4	344.6	301.1
17710.3	72.5°	13959.7	4918.4	369.0	332.4	320.2	334.2	400.3	377.7	287.2	238.4
9380.7	75°	8157.2	2624.5	275.0	262.8	231.5	278.5	355.0	322.0	219.3	175.8
2875.1	77.5°	2655.8	915.4	201.9	193.2	172.3	224.5	302.8	271.5	179.3	139.2
842.4	80°	711.8	276.7	137.5	127.0	111.4	167.1	240.2	215.8	128.8	90.5
362.0	82.5°	285.4	116.6	80.1	71.4	60.9	114.9	189.7	174.0	95.7	57.4
113.1	85°	92.2	38.3	29.6	22.6	27.8	71.4	113.1	118.3	67.9	29.6
17.4	87.5°	12.2	5.2	5.2	7.0	5.2	12.2	34.8	33.1	19.1	3.5
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°
4004.6
3531.3
2857.7
2210.3
1804.8
1656.9
1606.4
1549.0
1468.9
1366.2
1254.8
1146.9
1061.6
1004.2
960.7
964.2
932.9
861.5
791.9
732.7
692.7
664.8
612.6
569.1
508.2
440.3
372.4
332.4
295.9
233.2
170.6
134.0
88.8
57.4
22.6
0.0
0.0

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