

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: P850245

Luminaire Tested: **GLAN-SB7C-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850245
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-SB7C-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 615mA 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: 26238 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

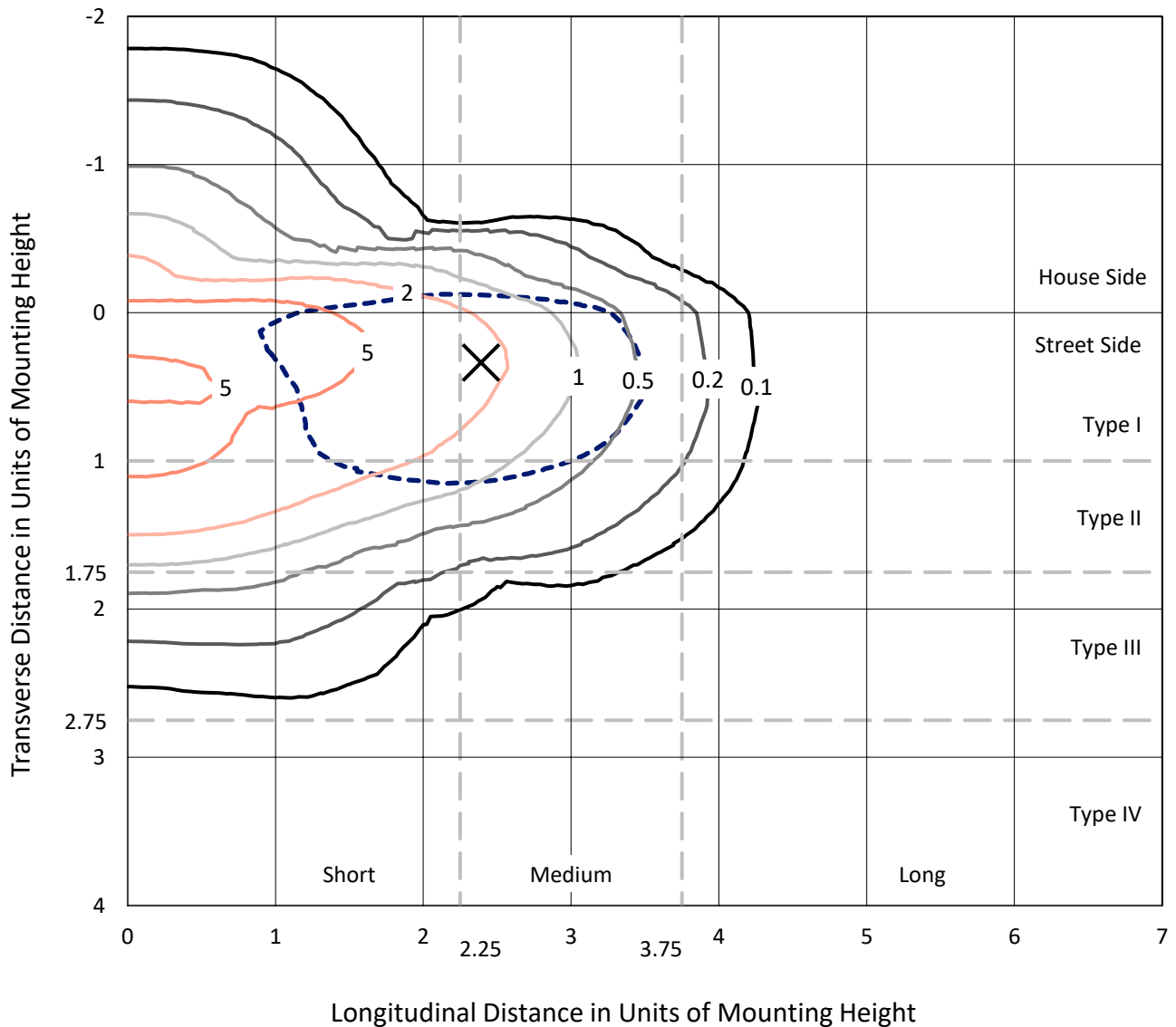
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

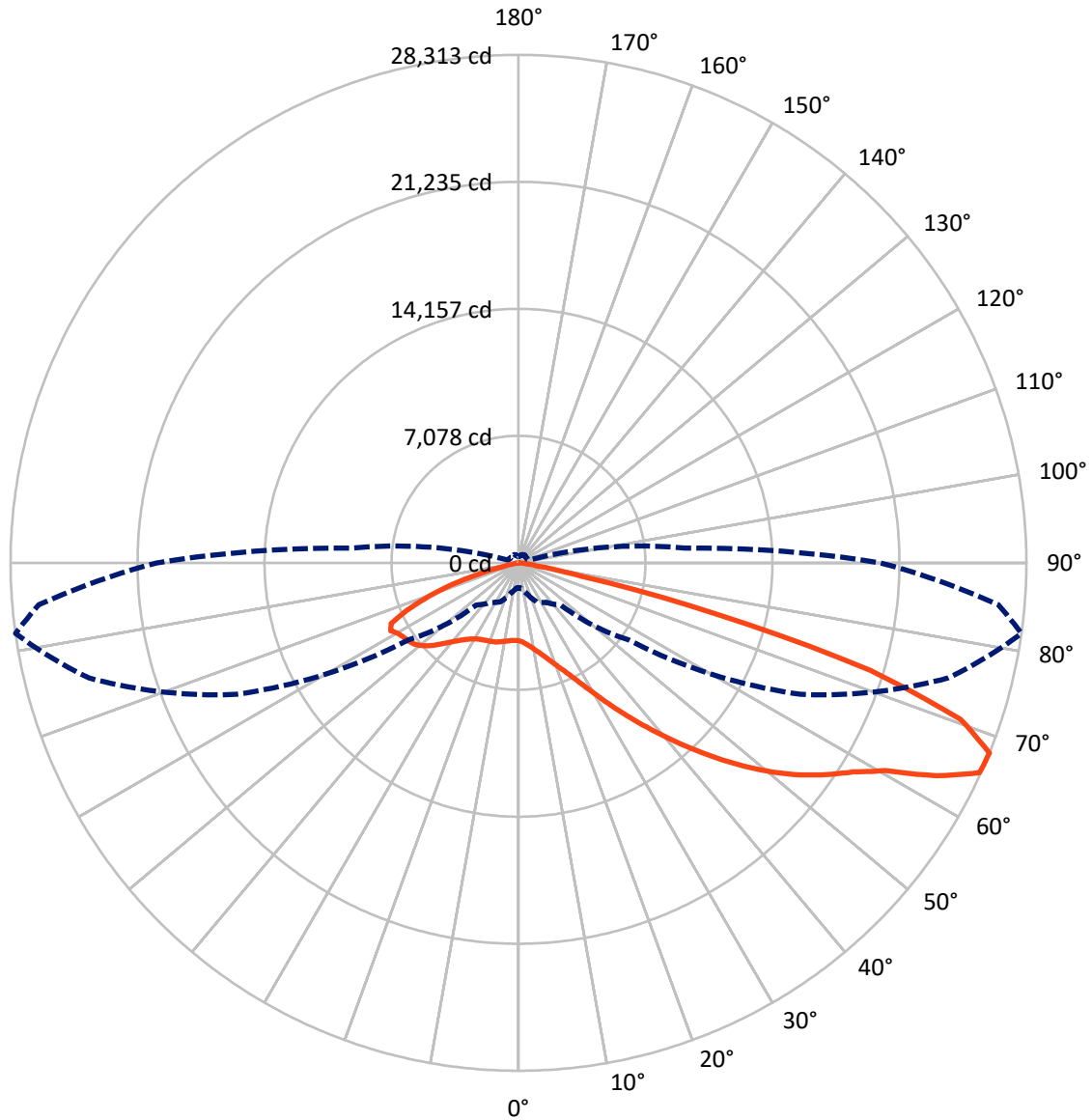
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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
House Side	Lumens	4752.8	0.0	4752.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21485.2	0.0	21485.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	26238.0	0.0	26238.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.3	1.5
10°-20°	1006.3	3.8
20°-30°	1611.8	6.1
30°-40°	2850.2	10.9
40°-50°	4993.9	19.0
50°-60°	6660.4	25.4
60°-70°	6200.5	23.6
70°-80°	2379.8	9.1
80°-90°	147.8	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°	26238.0	100.0
0°-180°	26238.0	100.0

Coefficient of Utilization

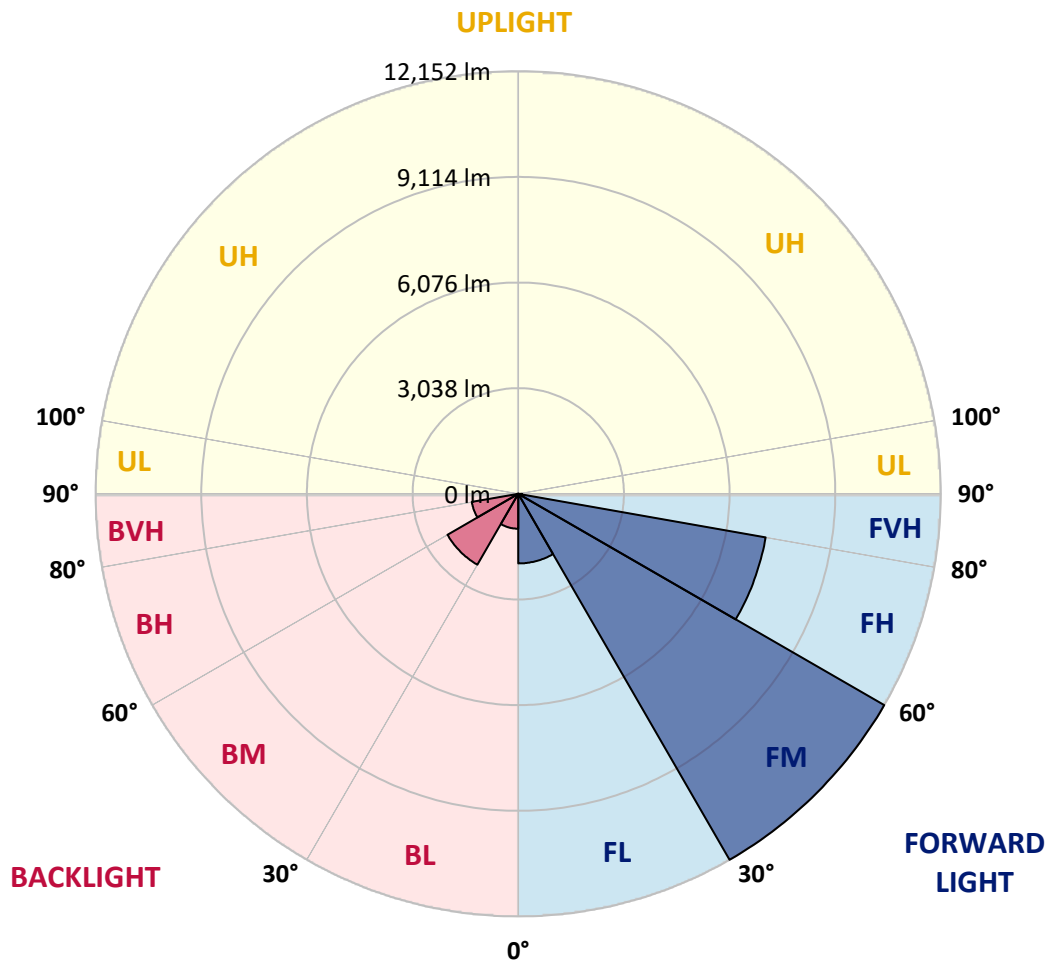


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2001.7	7.6			
FM (30°-60°)	12152.4	46.3			
FH (60°-80°)	7223.7	27.5			G3/7500
FVH (80°-90°)	107.5	0.4			G2/225
BL (0°-30°)	1003.8	3.8	B3/2500		
BM (30°-60°)	2352.1	9.0	B2/2500		
BH (60°-80°)	1356.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.4	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°	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7
2.5°	4594.2	4620.7	4605.6	4598.0	4584.8	4565.9	4550.8	4503.5	4454.4	4422.3
5°	4686.8	4713.2	4711.3	4718.9	4728.3	4734.0	4730.2	4677.3	4607.4	4552.7
7.5°	4607.4	4637.7	4662.2	4700.0	4766.1	4836.0	4870.0	4858.7	4786.9	4711.3
10°	4382.6	4414.8	4473.3	4562.1	4701.9	4853.0	4979.6	5038.1	4992.8	4909.7
12.5°	3970.8	4002.9	4118.2	4310.9	4545.1	4807.7	5049.5	5206.3	5217.6	5134.5
15°	3508.0	3540.1	3662.9	3904.7	4261.7	4683.0	5087.3	5383.8	5484.0	5412.2
17.5°	3220.9	3249.2	3341.8	3536.3	3908.5	4433.6	5074.0	5572.8	5801.3	5744.7
20°	3134.0	3158.5	3202.0	3338.0	3647.8	4174.8	4987.1	5750.3	6143.3	6111.1
22.5°	3226.5	3249.2	3262.4	3322.9	3517.4	4004.8	4877.6	5931.7	6540.0	6543.7
25°	3440.0	3462.7	3447.6	3485.3	3570.3	3951.9	4836.0	6145.1	7038.7	7080.2
27.5°	3791.4	3793.3	3757.4	3755.5	3768.7	4031.3	4879.5	6373.7	7667.7	7745.2
30°	4496.0	4467.6	4329.7	4180.5	4112.5	4269.3	5000.4	6643.9	8410.1	8548.0
32.5°	5582.2	5540.6	5287.5	4930.5	4571.5	4652.8	5217.6	6951.8	9218.7	9468.0
35°	6761.0	6749.6	6485.2	5954.3	5327.2	5198.7	5570.9	7356.0	10100.9	10497.6
37.5°	7856.6	7851.0	7699.8	7074.6	6311.4	5960.0	6137.6	7885.0	11045.4	11619.7
40°	8857.8	8874.8	8723.7	8164.6	7395.7	6936.7	6908.3	8538.6	12095.7	12841.9
42.5°	9723.0	9741.9	9588.9	9175.2	8466.8	8017.2	7854.8	9339.6	13121.5	14154.8
45°	10310.5	10427.7	10405.0	10074.4	9566.2	9099.6	8992.0	10344.5	14290.8	15547.0
47.5°	10476.8	10584.5	10754.5	10799.8	10490.0	10031.0	10159.4	11555.4	15473.4	16941.2
50°	10066.9	10167.0	10520.2	10990.6	11206.0	11064.3	11294.7	12853.2	16684.3	18331.5
52.5°	9258.3	9360.3	9806.2	10550.5	11428.9	11874.7	12433.9	14132.1	17857.4	19648.2
55°	8089.0	8196.7	8769.1	9611.6	11003.8	12209.1	13384.1	15409.1	18932.3	20832.7
57.5°	6498.4	6577.7	7172.8	8351.6	9934.6	11876.6	14084.9	16803.3	19944.8	21996.3
60°	4235.3	4305.2	4996.6	6311.4	8162.7	10765.8	14224.7	18358.0	21289.8	23509.5
62.5°	2816.6	2863.8	3273.8	4239.1	5748.4	8633.0	13406.7	19599.1	23262.0	26142.8
65°	1932.5	1979.7	2389.7	3062.2	3713.9	5710.7	11054.8	19434.7	25049.1	28234.0
67.5°	1379.0	1418.7	1766.3	2401.0	2688.1	3317.2	7493.9	17334.1	24792.1	28313.4
70°	988.0	1010.7	1297.8	1870.2	2136.5	1993.0	4167.3	13257.5	21707.3	26144.7
72.5°	691.4	699.0	901.1	1424.4	1720.9	1454.6	1983.5	8839.0	16417.9	20521.0
75°	468.5	477.9	606.4	1044.7	1380.9	1110.8	1050.3	4739.7	9638.0	11359.0
77.5°	287.1	290.9	391.0	714.1	1033.3	846.3	676.3	2008.1	3729.0	3661.0
80°	162.5	162.5	249.4	443.9	704.6	545.9	474.2	853.9	1180.7	1037.1
82.5°	90.7	92.6	181.4	275.8	466.6	323.0	260.7	394.8	510.0	451.5
85°	37.8	41.6	111.5	130.3	222.9	160.6	105.8	166.2	188.9	168.1
87.5°	3.8	5.7	34.0	24.6	26.4	32.1	15.1	32.1	26.4	26.4
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°
4346.7	0°	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7	4346.7
4411.0	2.5°	4375.1	4346.7	4275.0	4191.8	4082.3	4029.4	3957.6	3908.5	3866.9	3870.7
4520.5	5°	4460.1	4388.3	4227.7	4027.5	3778.1	3600.6	3411.7	3281.3	3175.5	3152.9
4671.7	7.5°	4577.2	4463.9	4182.4	3821.6	3400.3	3081.1	2795.8	2612.6	2482.2	2440.7
4854.9	10°	4728.3	4564.0	4123.8	3562.8	2956.4	2550.2	2244.2	2100.6	2011.9	1981.6
5070.3	12.5°	4904.0	4679.2	4046.4	3247.3	2499.2	2108.2	1913.6	1841.8	1813.5	1804.1
5334.7	15°	5125.0	4822.8	3929.3	2873.3	2112.0	1838.1	1754.9	1745.5	1749.3	1745.5
5652.1	17.5°	5387.6	4979.6	3738.5	2487.9	1851.3	1700.2	1669.9	1677.5	1686.9	1685.0
6007.2	20°	5674.8	5134.5	3494.8	2146.0	1673.7	1601.9	1584.9	1592.5	1600.0	1596.3
6417.2	22.5°	6001.6	5300.7	3224.6	1879.6	1554.7	1511.3	1492.4	1494.3	1494.3	1486.7
6936.7	25°	6392.6	5484.0	2941.3	1690.7	1464.0	1430.0	1407.4	1399.8	1388.5	1365.8
7567.6	27.5°	6859.2	5678.5	2669.3	1558.5	1392.2	1360.1	1333.7	1314.8	1286.5	1248.7
8325.1	30°	7384.4	5914.7	2438.8	1475.4	1335.6	1303.5	1273.2	1244.9	1203.3	1156.1
9196.0	32.5°	8002.1	6167.8	2270.7	1420.6	1284.6	1250.6	1214.7	1180.7	1135.3	1088.1
10174.5	35°	8738.8	6473.8	2172.4	1382.8	1244.9	1199.6	1159.9	1122.1	1088.1	1046.5
11238.1	37.5°	9537.9	6798.8	2142.2	1363.9	1218.4	1148.6	1103.2	1076.8	1073.0	1048.4
12388.5	40°	10412.6	7184.1	2164.9	1352.6	1190.1	1099.4	1050.3	1044.7	1054.1	1010.7
13618.3	42.5°	11338.2	7641.3	2202.7	1339.4	1150.4	1050.3	1003.1	1003.1	995.5	935.1
14918.0	45°	12339.4	8168.3	2240.4	1307.2	1103.2	1001.2	965.3	952.1	920.0	861.4
16225.2	47.5°	13348.2	8704.8	2268.8	1248.7	1046.5	959.6	927.5	897.3	850.1	797.2
17507.9	50°	14305.9	9186.5	2238.5	1161.8	982.3	920.0	886.0	844.4	793.4	757.5
18722.6	52.5°	15161.7	9604.0	2110.1	1059.8	914.3	878.4	848.2	804.7	763.2	725.4
19818.2	55°	15906.0	9942.2	1883.4	963.4	853.9	842.5	812.3	757.5	700.8	668.7
20904.4	57.5°	16620.0	10199.1	1600.0	884.1	799.1	802.9	757.5	708.4	655.5	621.5
22368.5	60°	17570.2	10542.9	1312.9	810.4	740.5	751.8	702.7	666.8	600.7	557.3
24879.0	62.5°	19089.0	11077.5	1042.8	719.7	672.5	676.3	655.5	612.1	532.7	481.7
26739.8	65°	20294.3	10881.0	821.7	621.5	595.1	600.7	600.7	553.5	468.5	409.9
26839.9	67.5°	20158.3	9316.9	655.5	525.2	521.4	525.2	538.4	498.7	415.6	368.4
24795.9	70°	18569.6	7410.8	525.2	436.4	453.4	443.9	481.7	455.3	374.0	326.8
19223.2	72.5°	15152.2	5338.5	400.5	360.8	347.6	362.7	434.5	409.9	311.7	258.8
10182.1	75°	8854.1	2848.7	298.5	285.2	251.2	302.3	385.4	349.5	238.0	190.8
3120.7	77.5°	2882.7	993.7	219.1	209.7	187.0	243.7	328.7	294.7	194.6	151.1
914.3	80°	772.6	300.4	149.2	137.9	120.9	181.4	260.7	234.2	139.8	98.2
392.9	82.5°	309.8	126.6	86.9	77.5	66.1	124.7	205.9	188.9	103.9	62.3
122.8	85°	100.1	41.6	32.1	24.6	30.2	77.5	122.8	128.5	73.7	32.1
18.9	87.5°	13.2	5.7	5.7	7.6	5.7	13.2	37.8	35.9	20.8	3.8
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

<u>180°</u>
4346.7
3832.9
3101.9
2399.1
1959.0
1798.4
1743.6
1681.3
1594.4
1482.9
1362.0
1244.9
1152.3
1090.0
1042.8
1046.5
1012.5
935.1
859.5
795.3
751.8
721.6
665.0
617.7
551.6
477.9
404.3
360.8
321.1
253.1
185.1
145.5
96.3
62.3
24.6
0.0
0.0

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