

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: P850695

Luminaire Tested: **GLAN-SB8B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850695
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-SB8B-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 450mA 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: 26510 lumens
Efficiency: N/A
Efficacy: 90.5 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

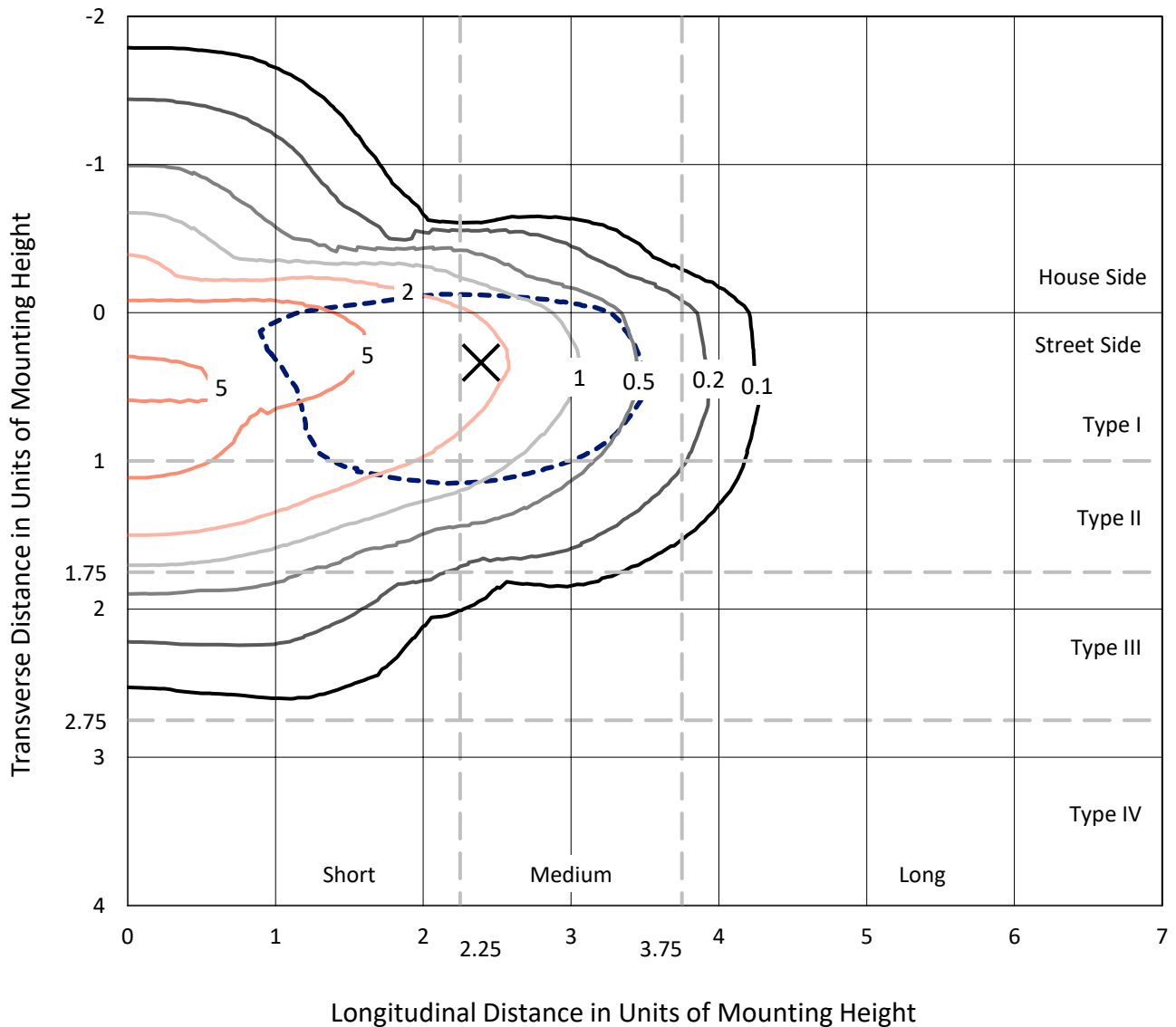
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

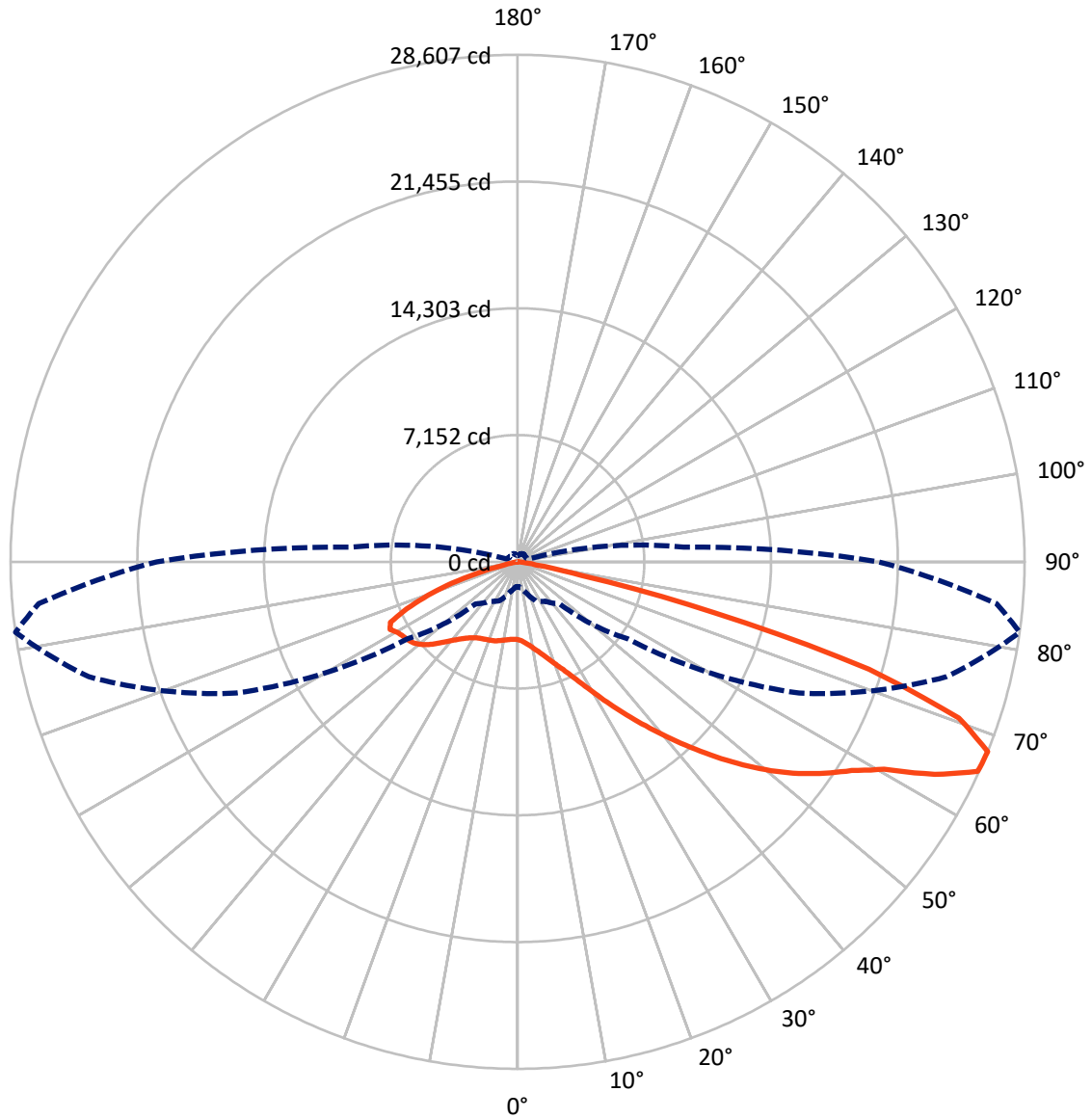
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	4802.1	0.0	4802.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21707.9	0.0	21707.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	26510.0	0.0	26510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.3	1.5
10°-20°	1016.8	3.8
20°-30°	1628.5	6.1
30°-40°	2879.8	10.9
40°-50°	5045.6	19.0
50°-60°	6729.5	25.4
60°-70°	6264.8	23.6
70°-80°	2404.4	9.1
80°-90°	149.3	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°	26510.0	100.0
0°-180°	26510.0	100.0

Coefficient of Utilization

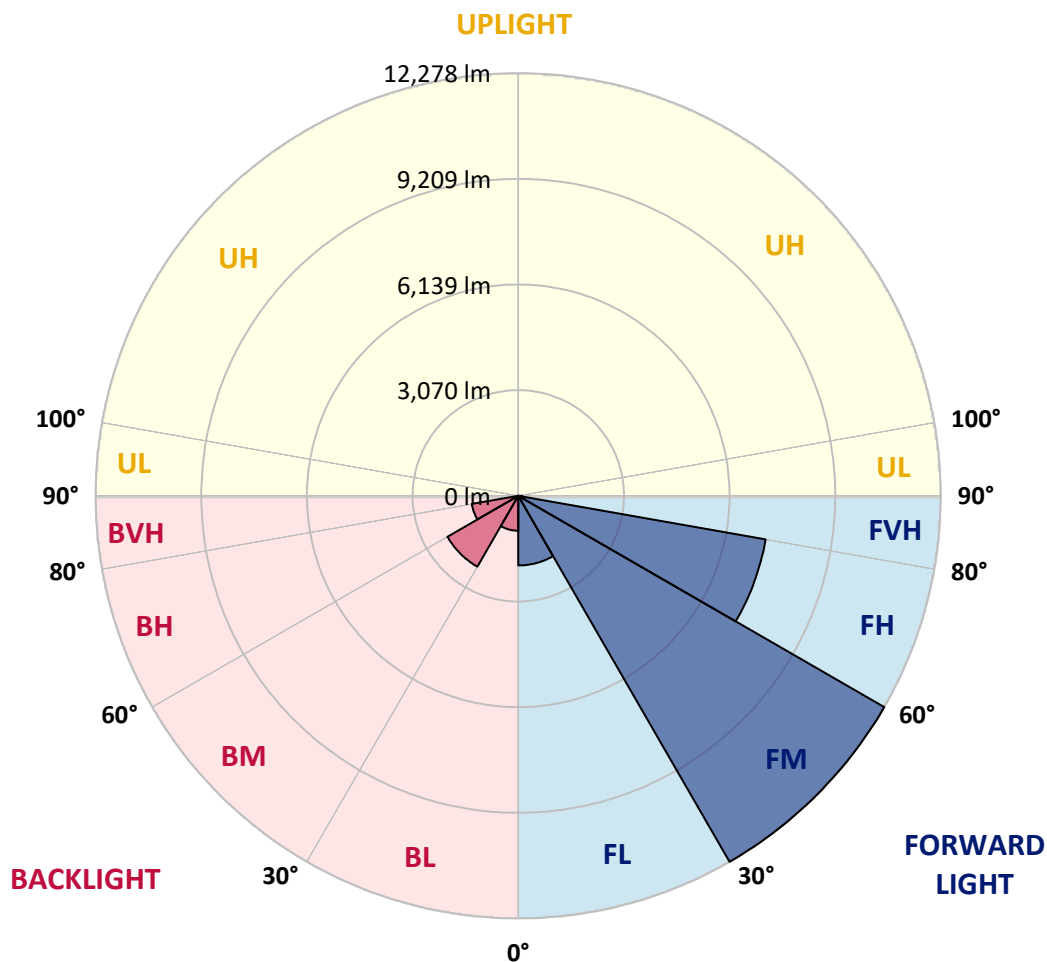


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2022.4	7.6			
FM (30°-60°)	12278.3	46.3			
FH (60°-80°)	7298.6	27.5			G3/7500
FVH (80°-90°)	108.6	0.4			G2/225
BL (0°-30°)	1014.2	3.8	B3/2500		
BM (30°-60°)	2376.5	9.0	B2/2500		
BH (60°-80°)	1370.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.8	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°	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8
2.5°	4641.8	4668.6	4653.3	4645.7	4632.3	4613.2	4597.9	4550.2	4500.6	4468.2
5°	4735.4	4762.1	4760.2	4767.8	4777.4	4783.1	4779.3	4725.8	4655.2	4599.9
7.5°	4655.2	4685.7	4710.6	4748.7	4815.5	4886.2	4920.5	4909.1	4836.5	4760.2
10°	4428.1	4460.5	4519.7	4609.4	4750.6	4903.3	5031.2	5090.4	5044.6	4960.6
12.5°	4012.0	4044.4	4160.9	4355.5	4592.2	4857.5	5101.8	5260.2	5271.7	5187.7
15°	3544.4	3576.8	3700.9	3945.2	4305.9	4731.6	5140.0	5439.7	5540.8	5468.3
17.5°	3254.3	3282.9	3376.4	3573.0	3949.0	4479.6	5126.6	5630.5	5861.5	5804.2
20°	3166.5	3191.3	3235.2	3372.6	3685.6	4218.1	5038.8	5809.9	6206.9	6174.5
22.5°	3260.0	3282.9	3296.2	3357.3	3553.9	4046.3	4928.1	5993.2	6607.8	6611.6
25°	3475.7	3498.6	3483.3	3521.5	3607.4	3992.9	4886.2	6208.8	7111.6	7153.6
27.5°	3830.7	3832.6	3796.3	3794.4	3807.8	4073.1	4930.0	6439.8	7747.2	7825.5
30°	4542.6	4514.0	4374.6	4223.8	4155.1	4313.6	5052.2	6712.7	8497.3	8636.7
32.5°	5640.1	5598.1	5342.3	4981.6	4618.9	4701.0	5271.7	7023.8	9314.2	9566.2
35°	6831.1	6819.6	6552.4	6016.1	5382.4	5252.6	5628.6	7432.3	10205.6	10606.4
37.5°	7938.1	7932.4	7779.7	7147.9	6376.8	6021.8	6201.2	7966.7	11159.9	11740.1
40°	8949.7	8966.9	8814.2	8249.2	7472.4	7008.6	6979.9	8627.1	12221.1	12975.0
42.5°	9823.8	9842.9	9688.3	9270.3	8554.6	8100.3	7936.2	9436.4	13257.5	14301.5
45°	10417.4	10535.8	10512.9	10178.8	9665.4	9194.0	9085.2	10451.8	14439.0	15708.2
47.5°	10585.4	10694.2	10866.0	10911.8	10598.7	10134.9	10264.7	11675.2	15633.8	17116.8
50°	10171.2	10272.4	10629.3	11104.5	11322.1	11179.0	11411.8	12986.5	16857.2	18521.6
52.5°	9354.3	9457.4	9907.8	10659.8	11547.3	11997.8	12562.8	14278.6	18042.5	19851.9
55°	8172.9	8281.6	8860.0	9711.2	11117.9	12335.6	13522.8	15568.9	19128.5	21048.6
57.5°	6565.8	6645.9	7247.2	8438.2	10037.6	11999.7	14230.9	16977.5	20151.6	22224.4
60°	4279.2	4349.8	5048.4	6376.8	8247.3	10877.4	14372.2	18548.3	21510.5	23753.2
62.5°	2845.8	2893.5	3307.7	4283.0	5808.0	8722.5	13545.7	19802.3	23503.1	26413.8
65°	1952.6	2000.3	2414.4	3093.9	3752.4	5769.9	11169.4	19636.2	25308.7	28526.7
67.5°	1393.3	1433.4	1784.6	2425.9	2716.0	3351.6	7571.6	17513.8	25049.2	28606.9
70°	998.2	1021.1	1311.2	1889.6	2158.7	2013.6	4210.5	13394.9	21932.3	26415.8
72.5°	698.6	706.2	910.4	1439.1	1738.8	1469.7	2004.1	8930.6	16588.1	20733.7
75°	473.3	482.9	612.7	1055.5	1395.2	1122.3	1061.2	4788.8	9737.9	11476.7
77.5°	290.1	293.9	395.1	721.5	1044.0	855.1	683.3	2028.9	3767.7	3699.0
80°	164.1	164.1	251.9	448.5	711.9	551.6	479.1	862.7	1192.9	1047.9
82.5°	91.6	93.5	183.2	278.7	471.4	326.4	263.4	398.9	515.3	456.2
85°	38.2	42.0	112.6	131.7	225.2	162.2	106.9	168.0	190.9	169.9
87.5°	3.8	5.7	34.4	24.8	26.7	32.4	15.3	32.4	26.7	26.7
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°
4391.8	0°	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8	4391.8
4456.7	2.5°	4420.4	4391.8	4319.3	4235.3	4124.6	4071.2	3998.6	3949.0	3907.0	3910.8
4567.4	5°	4506.3	4433.8	4271.6	4069.2	3817.3	3637.9	3447.0	3315.3	3208.4	3185.5
4720.1	7.5°	4624.7	4510.1	4225.8	3861.2	3435.6	3113.0	2824.8	2639.7	2508.0	2466.0
4905.2	10°	4777.4	4611.3	4166.6	3599.7	2987.0	2576.7	2267.5	2122.4	2032.7	2002.2
5122.8	12.5°	4954.9	4727.7	4088.3	3281.0	2525.1	2130.1	1933.5	1860.9	1832.3	1822.8
5390.0	15°	5178.2	4872.8	3970.0	2903.1	2133.9	1857.1	1773.1	1763.6	1767.4	1763.6
5710.7	17.5°	5443.5	5031.2	3777.2	2513.7	1870.5	1717.8	1687.2	1694.9	1704.4	1702.5
6069.5	20°	5733.6	5187.7	3531.0	2168.2	1691.1	1618.5	1601.4	1609.0	1616.6	1612.8
6483.7	22.5°	6063.8	5355.7	3258.1	1899.1	1570.8	1526.9	1507.8	1509.7	1509.7	1502.1
7008.6	25°	6458.9	5540.8	2971.8	1708.2	1479.2	1444.9	1421.9	1414.3	1402.9	1380.0
7646.1	27.5°	6930.3	5737.4	2696.9	1574.6	1406.7	1374.2	1347.5	1328.4	1299.8	1261.6
8411.4	30°	7460.9	5976.0	2464.1	1490.7	1349.4	1317.0	1286.4	1257.8	1215.8	1168.1
9291.3	32.5°	8085.1	6231.8	2294.2	1435.3	1297.9	1263.5	1227.3	1192.9	1147.1	1099.4
10280.0	35°	8829.4	6541.0	2195.0	1397.1	1257.8	1212.0	1171.9	1133.7	1099.4	1057.4
11354.6	37.5°	9636.8	6869.2	2164.4	1378.0	1231.1	1160.5	1114.7	1087.9	1084.1	1059.3
12516.9	40°	10520.5	7258.6	2187.3	1366.6	1202.5	1110.8	1061.2	1055.5	1065.0	1021.1
13759.5	42.5°	11455.7	7720.5	2225.5	1353.2	1162.4	1061.2	1013.5	1013.5	1005.9	944.8
15072.6	45°	12467.3	8253.0	2263.7	1320.8	1114.7	1011.6	975.3	962.0	929.5	870.3
16393.4	47.5°	13486.5	8795.1	2292.3	1261.6	1057.4	969.6	937.1	906.6	858.9	805.5
17689.4	50°	14454.2	9281.8	2261.8	1173.8	992.5	929.5	895.2	853.2	801.6	765.4
18916.7	52.5°	15318.8	9703.6	2132.0	1070.8	923.8	887.5	857.0	813.1	771.1	732.9
20023.7	55°	16070.9	10045.2	1902.9	973.4	862.7	851.3	820.7	765.4	708.1	675.7
21121.2	57.5°	16792.3	10304.8	1616.6	893.2	807.4	811.2	765.4	715.7	662.3	627.9
22600.4	60°	17752.4	10652.2	1326.5	818.8	748.2	759.6	710.0	673.8	607.0	563.1
25137.0	62.5°	19286.9	11192.3	1053.6	727.2	679.5	683.3	662.3	618.4	538.2	486.7
27017.0	65°	20504.7	10993.8	830.3	627.9	601.2	607.0	607.0	559.2	473.3	414.2
27118.1	67.5°	20367.2	9413.5	662.3	530.6	526.8	530.6	544.0	503.9	419.9	372.2
25053.0	70°	18762.1	7487.6	530.6	440.9	458.1	448.5	486.7	460.0	377.9	330.2
19422.4	72.5°	15309.3	5393.9	404.6	364.6	351.2	366.5	439.0	414.2	314.9	261.5
10287.6	75°	8945.9	2878.2	301.6	288.2	253.9	305.4	389.4	353.1	240.5	192.8
3153.1	77.5°	2912.6	1004.0	221.4	211.9	189.0	246.2	332.1	297.7	196.6	152.7
923.8	80°	780.6	303.5	150.8	139.3	122.2	183.2	263.4	236.7	141.2	99.2
397.0	82.5°	313.0	127.9	87.8	78.3	66.8	126.0	208.0	190.9	105.0	63.0
124.1	85°	101.2	42.0	32.4	24.8	30.5	78.3	124.1	129.8	74.4	32.4
19.1	87.5°	13.4	5.7	5.7	7.6	5.7	13.4	38.2	36.3	21.0	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

180°
4391.8
3872.7
3134.0
2424.0
1979.3
1817.0
1761.7
1698.7
1610.9
1498.3
1376.1
1257.8
1164.3
1101.3
1053.6
1057.4
1023.0
944.8
868.4
803.5
759.6
729.1
671.8
624.1
557.3
482.9
408.5
364.6
324.5
255.8
187.0
147.0
97.3
63.0
24.8
0.0
0.0

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