

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: P850915

Luminaire Tested: **GLAN-SB8C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850915
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-SB8C-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 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: 28478 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

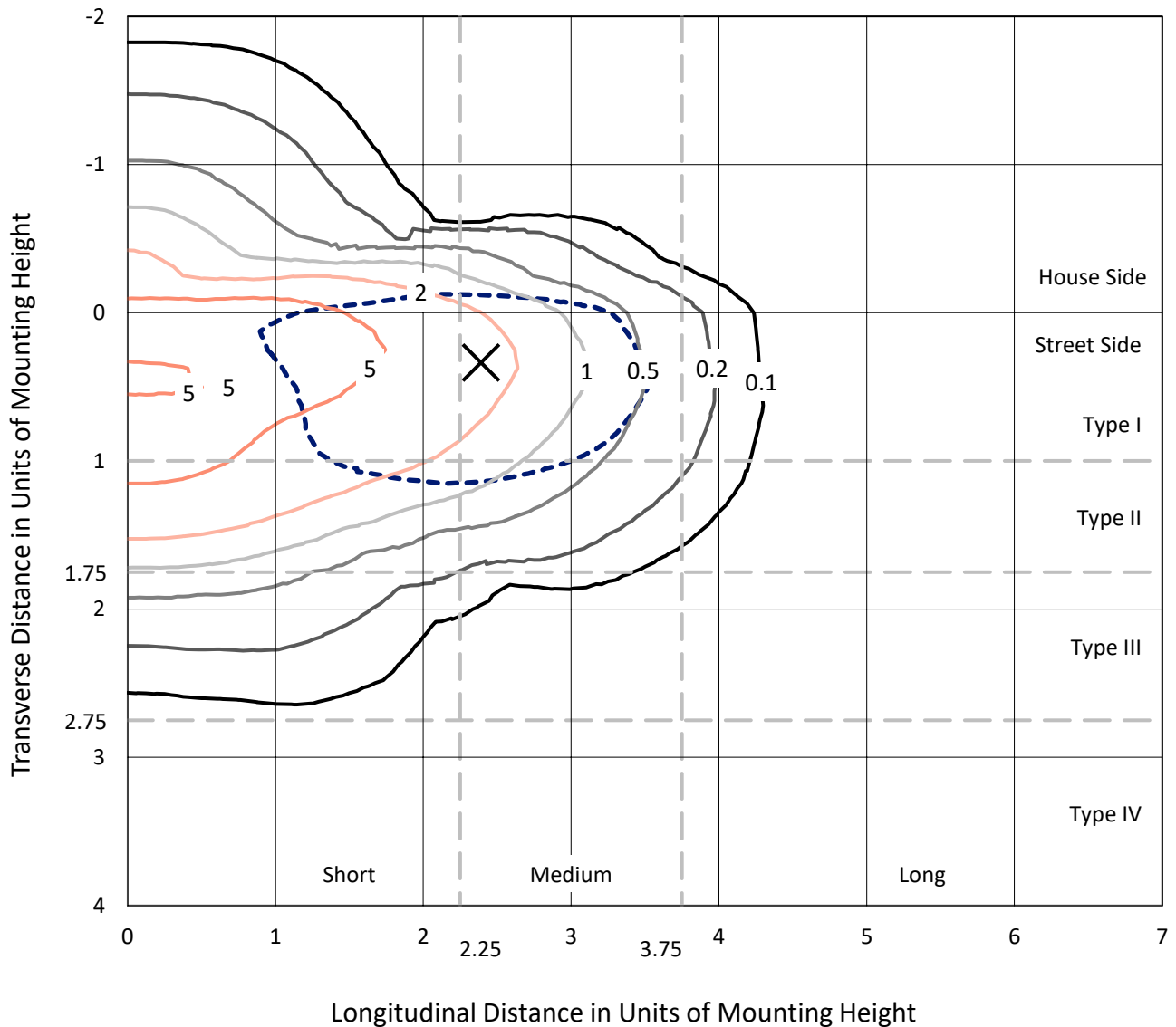
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

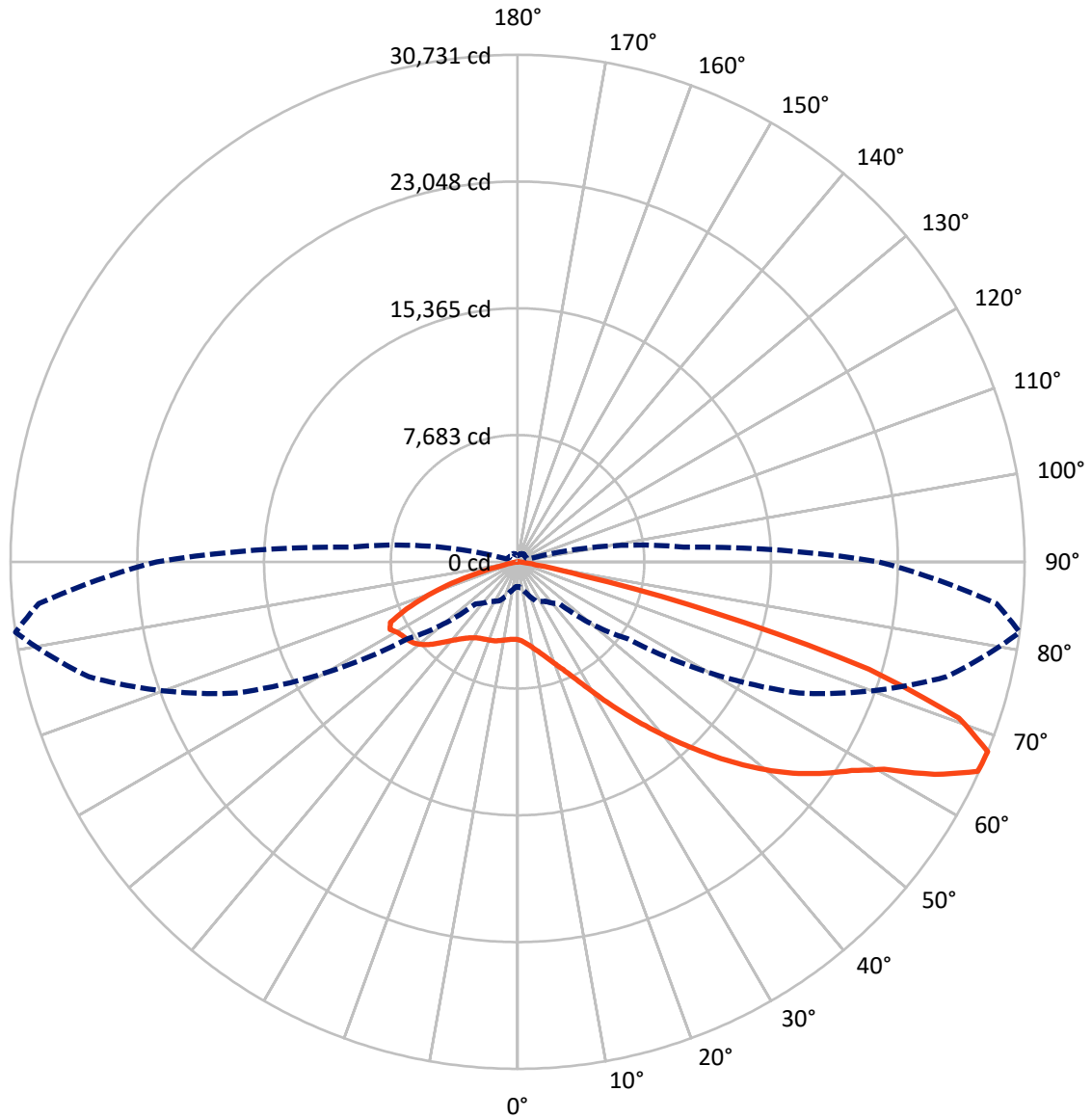
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	5158.5	0.0	5158.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23319.5	0.0	23319.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	28478.0	0.0	28478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.3	1.5
10°-20°	1092.3	3.8
20°-30°	1749.4	6.1
30°-40°	3093.6	10.9
40°-50°	5420.2	19.0
50°-60°	7229.0	25.4
60°-70°	6729.9	23.6
70°-80°	2582.9	9.1
80°-90°	160.4	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°	28478.0	100.0
0°-180°	28478.0	100.0

Coefficient of Utilization

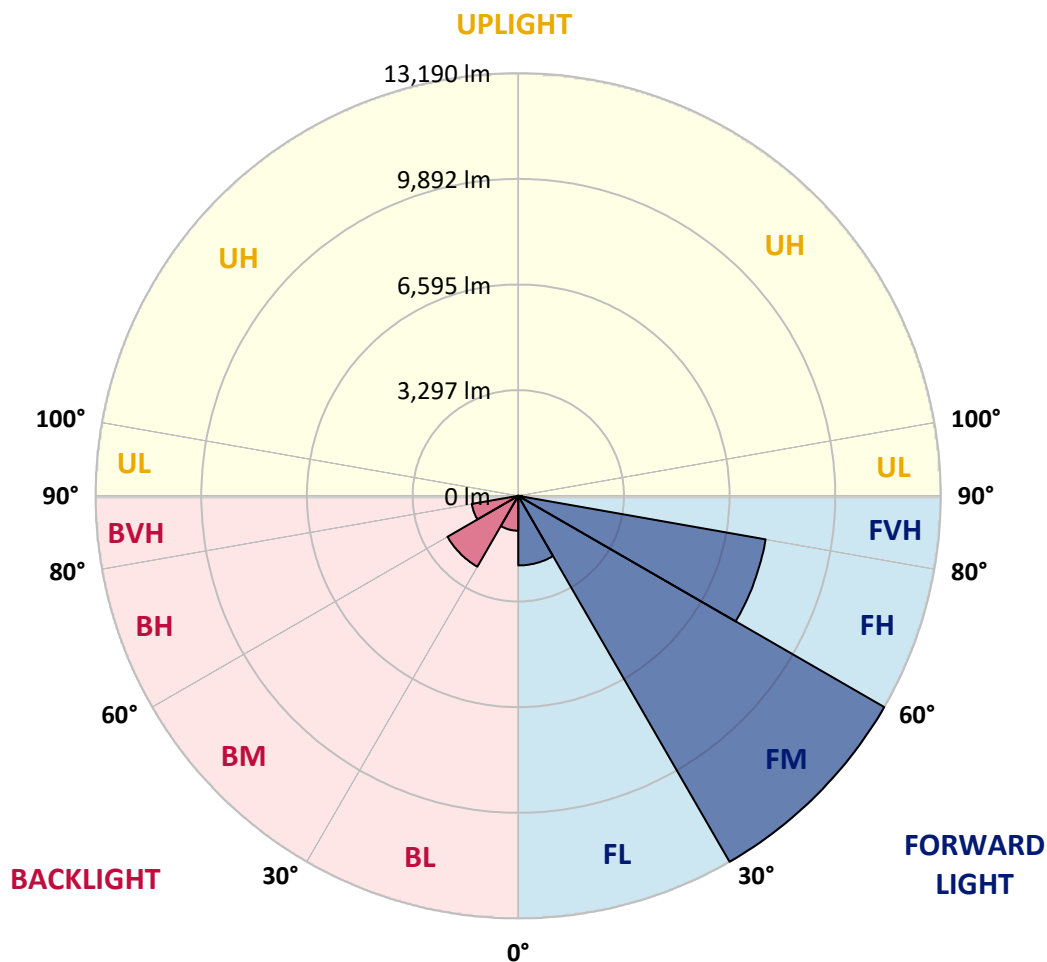


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2172.6	7.6			
FM (30°-60°)	13189.8	46.3			
FH (60°-80°)	7840.4	27.5			G4/12000
FVH (80°-90°)	116.6	0.4			G2/225
BL (0°-30°)	1089.5	3.8	B3/2500		
BM (30°-60°)	2552.9	9.0	B3/5000		
BH (60°-80°)	1472.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	43.8	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8
2.5°	4986.4	5015.1	4998.7	4990.5	4976.2	4955.7	4939.3	4888.0	4834.7	4799.9
5°	5086.9	5115.6	5113.6	5121.8	5132.0	5138.2	5134.1	5076.7	5000.8	4941.3
7.5°	5000.8	5033.6	5060.2	5101.3	5173.0	5248.9	5285.8	5273.5	5195.6	5113.6
10°	4756.8	4791.7	4855.2	4951.6	5103.3	5267.3	5404.7	5468.3	5419.1	5328.8
12.5°	4309.8	4344.7	4469.7	4678.9	4933.1	5218.1	5480.6	5650.7	5663.0	5572.8
15°	3807.5	3842.3	3975.6	4238.1	4625.6	5082.8	5521.6	5843.5	5952.1	5874.2
17.5°	3495.8	3526.6	3627.1	3838.2	4242.2	4812.2	5507.2	6048.5	6296.6	6235.1
20°	3401.5	3428.2	3475.3	3623.0	3959.2	4531.3	5412.9	6241.2	6667.7	6632.9
22.5°	3502.0	3526.6	3540.9	3606.6	3817.7	4346.7	5294.0	6438.1	7098.3	7102.4
25°	3733.7	3758.3	3741.9	3782.9	3875.1	4289.3	5248.9	6669.8	7639.6	7684.7
27.5°	4115.0	4117.1	4078.1	4076.1	4090.4	4375.4	5296.0	6917.9	8322.3	8406.4
30°	4879.8	4849.1	4699.4	4537.4	4463.6	4633.8	5427.3	7211.1	9128.1	9277.8
32.5°	6058.8	6013.7	5738.9	5351.4	4961.8	5050.0	5663.0	7545.3	10005.7	10276.3
35°	7338.2	7325.9	7038.8	6462.7	5782.0	5642.5	6046.5	7984.0	10963.2	11393.8
37.5°	8527.4	8521.2	8357.2	7678.5	6850.2	6468.8	6661.6	8558.1	11988.4	12611.7
40°	9614.1	9632.5	9468.5	8861.6	8027.1	7528.9	7498.1	9267.6	13128.4	13938.2
42.5°	10553.1	10573.6	10407.5	9958.5	9189.6	8701.7	8525.3	10136.9	14241.7	15363.2
45°	11190.8	11317.9	11293.3	10934.5	10382.9	9876.5	9759.6	11227.7	15510.9	16874.3
47.5°	11371.2	11488.1	11672.6	11721.8	11385.6	10887.3	11026.7	12542.0	16794.4	18387.5
50°	10926.3	11034.9	11418.4	11928.9	12162.6	12008.9	12259.0	13950.5	18108.6	19896.5
52.5°	10048.7	10159.5	10643.3	11451.2	12404.6	12888.5	13495.4	15338.6	19381.9	21325.6
55°	8779.6	8896.4	9517.7	10432.1	11943.3	13251.4	14526.7	16724.7	20548.5	22611.2
57.5°	7053.2	7139.3	7785.2	9064.6	10782.8	12890.5	15287.4	18237.8	21647.5	23874.2
60°	4596.9	4672.7	5423.2	6850.2	8859.5	11684.9	15439.1	19925.2	23107.4	25516.5
62.5°	3057.1	3108.3	3553.2	4601.0	6239.2	9370.1	14551.3	21272.3	25247.9	28374.7
65°	2097.5	2148.8	2593.7	3323.6	4031.0	6198.2	11998.6	21093.9	27187.6	30644.4
67.5°	1496.8	1539.8	1917.1	2606.0	2917.6	3600.4	8133.7	18814.0	26908.7	30730.6
70°	1072.3	1096.9	1408.6	2029.8	2318.9	2163.1	4523.1	14389.3	23560.5	28376.8
72.5°	750.4	758.6	978.0	1546.0	1867.9	1578.8	2152.9	9593.6	17819.5	22272.9
75°	508.5	518.7	658.2	1133.8	1498.8	1205.6	1140.0	5144.3	10460.9	12328.7
77.5°	311.7	315.8	424.4	775.0	1121.5	918.6	734.0	2179.5	4047.4	3973.6
80°	176.3	176.3	270.6	481.8	764.8	592.5	514.6	926.8	1281.5	1125.6
82.5°	98.4	100.5	196.8	299.4	506.4	350.6	282.9	428.5	553.6	490.0
85°	41.0	45.1	121.0	141.5	241.9	174.3	114.8	180.4	205.0	182.5
87.5°	4.1	6.2	36.9	26.7	28.7	34.9	16.4	34.9	28.7	28.7
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°
4717.8	0°	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8
4787.6	2.5°	4748.6	4717.8	4639.9	4549.7	4430.8	4373.4	4295.5	4242.2	4197.1	4201.2
4906.5	5°	4840.9	4762.9	4588.7	4371.3	4100.7	3908.0	3702.9	3561.4	3446.6	3422.0
5070.5	7.5°	4968.0	4845.0	4539.5	4147.8	3690.6	3344.1	3034.5	2835.6	2694.2	2649.0
5269.4	10°	5132.0	4953.6	4475.9	3866.9	3208.8	2768.0	2435.8	2280.0	2183.6	2150.8
5503.1	12.5°	5322.7	5078.7	4391.8	3524.5	2712.6	2288.2	2077.0	1999.1	1968.3	1958.1
5790.2	15°	5562.6	5234.5	4264.7	3118.6	2292.3	1995.0	1904.8	1894.5	1898.6	1894.5
6134.6	17.5°	5847.6	5404.7	4057.6	2700.3	2009.3	1845.3	1812.5	1820.7	1831.0	1828.9
6520.1	20°	6159.2	5572.8	3793.1	2329.2	1816.6	1738.7	1720.2	1728.4	1736.6	1732.5
6965.0	22.5°	6513.9	5753.3	3499.9	2040.1	1687.4	1640.3	1619.8	1621.8	1621.8	1613.6
7528.9	25°	6938.4	5952.1	3192.4	1835.1	1589.0	1552.1	1527.5	1519.3	1507.0	1482.4
8213.7	27.5°	7444.8	6163.3	2897.1	1691.5	1511.1	1476.2	1447.5	1427.0	1396.3	1355.3
9035.9	30°	8014.8	6419.6	2647.0	1601.3	1449.6	1414.7	1381.9	1351.2	1306.1	1254.8
9981.1	32.5°	8685.3	6694.4	2464.5	1541.9	1394.2	1357.3	1318.4	1281.5	1232.3	1181.0
11043.2	35°	9484.9	7026.5	2357.9	1500.9	1351.2	1302.0	1258.9	1217.9	1181.0	1135.9
12197.5	37.5°	10352.2	7379.2	2325.1	1480.3	1322.5	1246.6	1197.4	1168.7	1164.6	1137.9
13446.2	40°	11301.5	7797.5	2349.7	1468.0	1291.7	1193.3	1140.0	1133.8	1144.1	1096.9
14780.9	42.5°	12306.2	8293.6	2390.7	1453.7	1248.7	1140.0	1088.7	1088.7	1080.5	1014.9
16191.6	45°	13392.8	8865.7	2431.7	1418.8	1197.4	1086.7	1047.7	1033.4	998.5	935.0
17610.4	47.5°	14487.7	9448.0	2462.5	1355.3	1135.9	1041.6	1006.7	973.9	922.7	865.2
19002.6	50°	15527.3	9970.8	2429.7	1261.0	1066.2	998.5	961.6	916.5	861.1	822.2
20321.0	52.5°	16456.1	10423.9	2290.2	1150.2	992.4	953.4	920.6	873.4	828.3	787.3
21510.2	55°	17263.9	10791.0	2044.2	1045.7	926.8	914.5	881.6	822.2	760.7	725.8
22689.1	57.5°	18038.9	11069.8	1736.6	959.6	867.3	871.4	822.2	768.9	711.5	674.6
24278.1	60°	19070.2	11443.0	1425.0	879.6	803.7	816.0	762.7	723.8	652.0	604.9
27003.0	62.5°	20718.7	12023.2	1131.8	781.2	729.9	734.0	711.5	664.3	578.2	522.8
29022.6	65°	22026.8	11810.0	891.9	674.6	645.9	652.0	652.0	600.8	508.5	444.9
29131.3	67.5°	21879.2	10112.3	711.5	570.0	565.9	570.0	584.3	541.3	451.1	399.8
26912.8	70°	20154.9	8043.5	570.0	473.6	492.1	481.8	522.8	494.1	406.0	354.7
20864.3	72.5°	16445.8	5794.3	434.7	391.6	377.3	393.7	471.6	444.9	338.3	280.9
11051.4	75°	9610.0	3091.9	324.0	309.6	272.7	328.1	418.3	379.3	258.3	207.1
3387.2	77.5°	3128.8	1078.5	237.8	227.6	203.0	264.5	356.8	319.9	211.2	164.0
992.4	80°	838.6	326.0	162.0	149.7	131.2	196.8	282.9	254.2	151.7	106.6
426.5	82.5°	336.3	137.4	94.3	84.1	71.8	135.3	223.5	205.0	112.8	67.7
133.3	85°	108.7	45.1	34.9	26.7	32.8	84.1	133.3	139.4	80.0	34.9
20.5	87.5°	14.4	6.2	6.2	8.2	6.2	14.4	41.0	39.0	22.6	4.1
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°
4717.8
4160.1
3366.7
2603.9
2126.2
1951.9
1892.5
1824.8
1730.5
1609.5
1478.3
1351.2
1250.7
1183.0
1131.8
1135.9
1099.0
1014.9
932.9
863.2
816.0
783.2
721.7
670.5
598.7
518.7
438.8
391.6
348.6
274.7
200.9
157.9
104.6
67.7
26.7
0.0
0.0

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