

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: P850905

Luminaire Tested: **GLAN-SB8C-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850905
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-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 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: 37970 lumens
Efficiency: N/A
Efficacy: 95.0 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

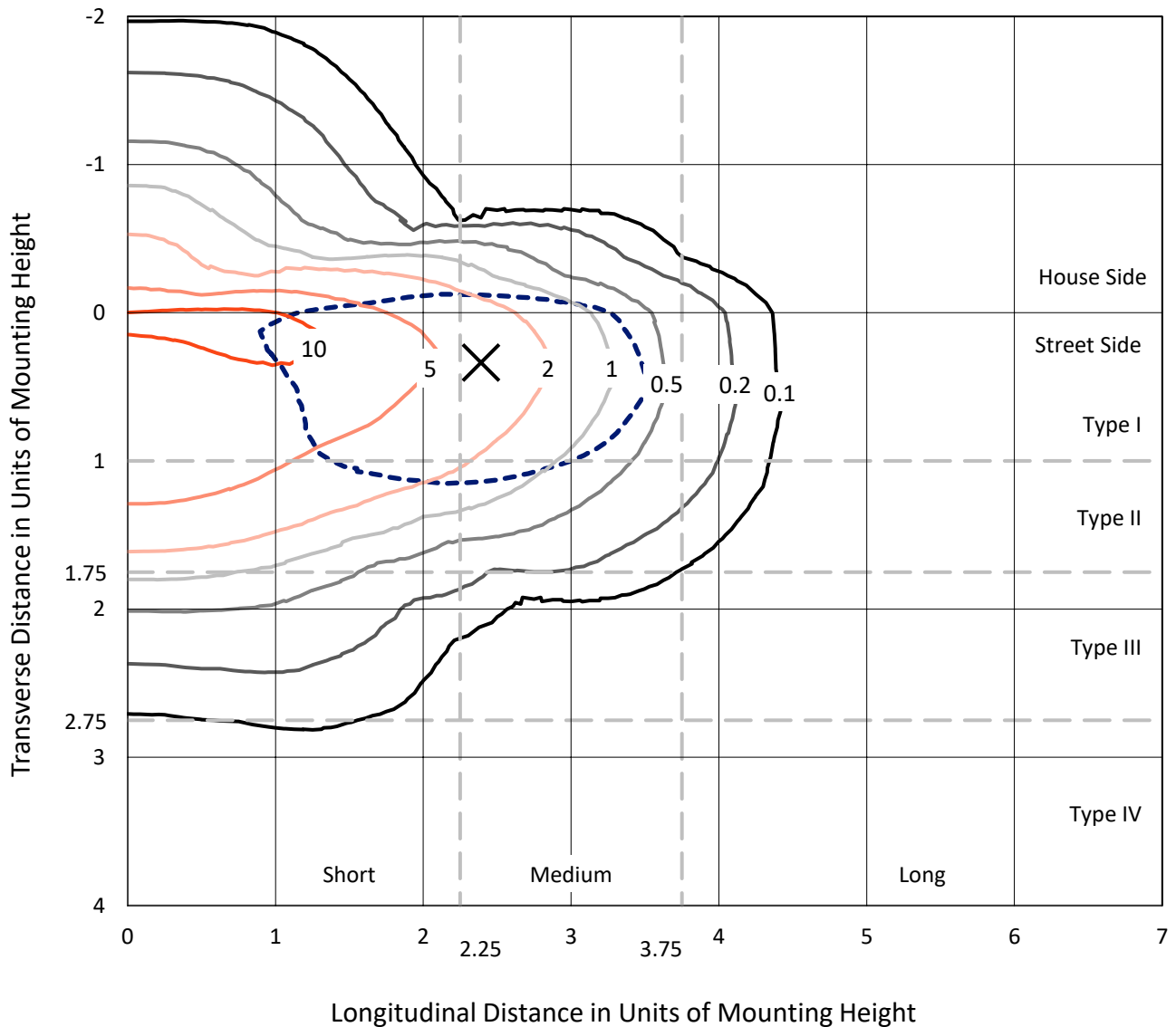
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

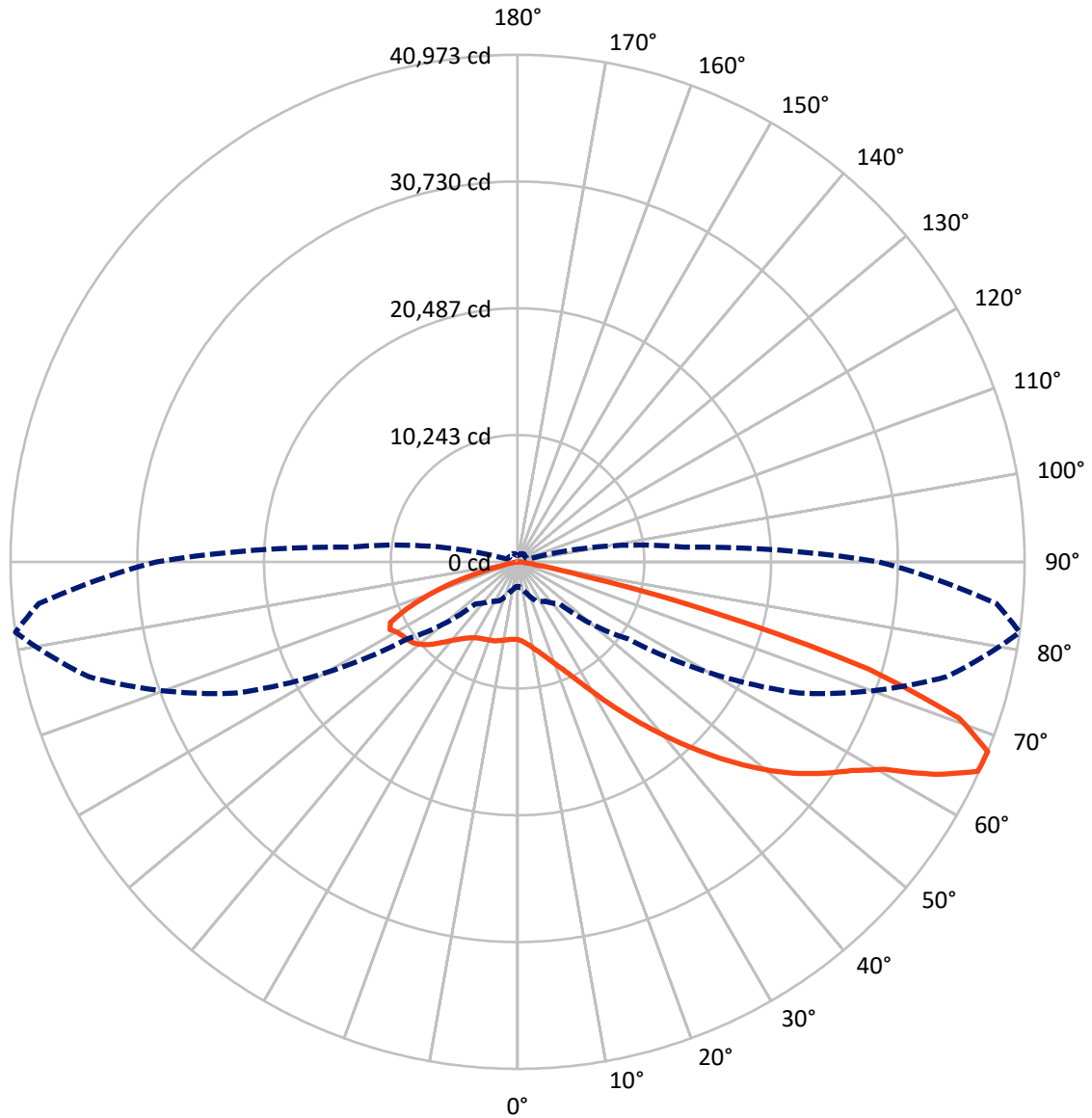
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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	6877.9	0.0	6877.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	31092.1	0.0	31092.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	37970.0	0.0	37970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.4	1.5
10°-20°	1456.3	3.8
20°-30°	2332.6	6.1
30°-40°	4124.7	10.9
40°-50°	7226.8	19.0
50°-60°	9638.5	25.4
60°-70°	8973.0	23.6
70°-80°	3443.8	9.1
80°-90°	213.9	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°	37970.0	100.0
0°-180°	37970.0	100.0

Coefficient of Utilization

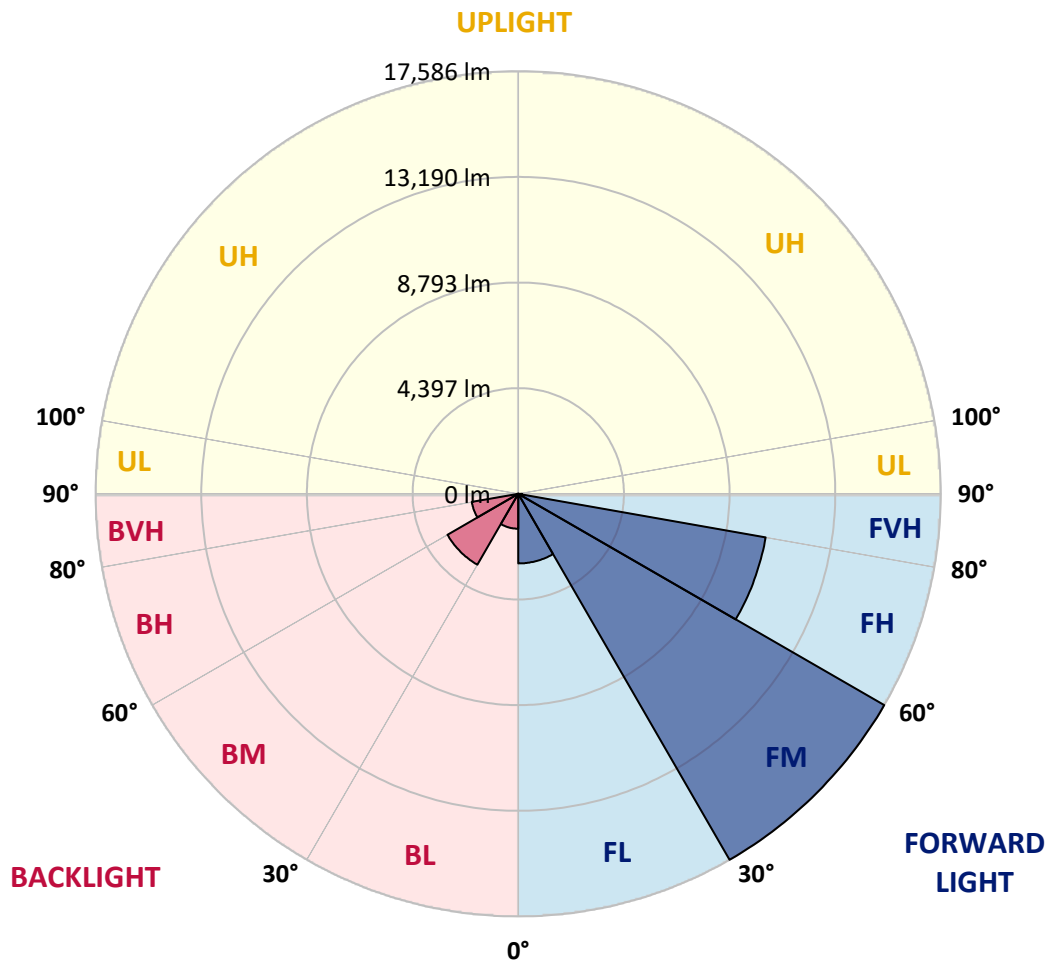


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2896.7	7.6			
FM (30°-60°)	17586.2	46.3			
FH (60°-80°)	10453.7	27.5			G4/12000
FVH (80°-90°)	155.5	0.4			G2/225
BL (0°-30°)	1452.6	3.8	B3/2500		
BM (30°-60°)	3403.9	9.0	B3/5000		
BH (60°-80°)	1963.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	58.4	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3
2.5°	6648.5	6686.7	6664.9	6653.9	6634.8	6607.5	6585.6	6517.2	6446.2	6399.7
5°	6782.4	6820.7	6818.0	6828.9	6842.6	6850.8	6845.3	6768.7	6667.6	6588.3
7.5°	6667.6	6711.3	6746.9	6801.6	6897.2	6998.4	7047.6	7031.2	6927.3	6818.0
10°	6342.3	6388.8	6473.5	6602.0	6804.3	7023.0	7206.1	7290.9	7225.3	7105.0
12.5°	5746.3	5792.8	5959.6	6238.4	6577.4	6957.4	7307.3	7534.2	7550.6	7430.3
15°	5076.6	5123.0	5300.7	5650.6	6167.3	6777.0	7362.0	7791.2	7936.1	7832.2
17.5°	4661.0	4702.0	4836.0	5117.6	5656.1	6416.1	7342.8	8064.5	8395.3	8313.3
20°	4535.3	4570.8	4633.7	4830.5	5278.9	6041.6	7217.1	8321.5	8890.1	8843.7
22.5°	4669.2	4702.0	4721.2	4808.7	5090.2	5795.5	7058.5	8584.0	9464.2	9469.7
25°	4978.1	5011.0	4989.1	5043.8	5166.8	5719.0	6998.4	8892.9	10185.9	10246.1
27.5°	5486.6	5489.4	5437.4	5434.7	5453.8	5833.8	7061.3	9223.7	11096.3	11208.3
30°	6506.3	6465.3	6265.7	6049.8	5951.4	6178.3	7236.2	9614.6	12170.6	12370.2
32.5°	8078.2	8018.1	7651.7	7135.1	6615.7	6733.2	7550.6	10060.2	13340.7	13701.5
35°	9784.1	9767.7	9384.9	8616.8	7709.2	7523.3	8061.8	10645.2	14617.3	15191.4
37.5°	11369.6	11361.4	11142.7	10237.9	9133.4	8625.0	8881.9	11410.6	15984.2	16815.3
40°	12818.5	12843.1	12624.4	11815.2	10702.6	10038.3	9997.3	12356.5	17504.2	18584.0
42.5°	14070.6	14097.9	13876.5	13277.8	12252.6	11602.0	11366.9	13515.6	18988.6	20483.9
45°	14920.8	15090.3	15057.5	14579.1	13843.7	13168.4	13012.6	14970.0	20680.8	22498.7
47.5°	15161.3	15317.2	15563.2	15628.8	15180.5	14516.2	14702.1	16722.3	22392.1	24516.2
50°	14568.1	14713.0	15224.2	15904.9	16216.6	16011.5	16345.1	18600.4	24144.4	26528.2
52.5°	13398.1	13545.7	14190.9	15268.0	16539.1	17184.3	17993.5	20451.1	25842.1	28433.7
55°	11705.9	11861.7	12690.0	13909.3	15924.1	17668.2	19368.6	22299.1	27397.6	30147.7
57.5°	9404.1	9518.9	10380.0	12085.9	14376.8	17187.0	20382.8	24316.6	28862.9	31831.7
60°	6129.1	6230.2	7230.8	9133.4	11812.5	15579.6	20585.1	26566.5	30809.3	34021.4
62.5°	4076.0	4144.4	4737.6	6134.5	8318.8	12493.2	19401.4	28362.6	33663.3	37832.3
65°	2796.6	2865.0	3458.2	4431.4	5374.5	8264.1	15997.9	28124.8	36249.4	40858.5
67.5°	1995.6	2053.0	2556.1	3474.6	3890.1	4800.5	10844.8	25084.8	35877.7	40973.3
70°	1429.7	1462.6	1878.1	2706.4	3091.9	2884.1	6030.6	19185.4	31413.4	37835.0
72.5°	1000.6	1011.5	1304.0	2061.2	2490.4	2105.0	2870.4	12791.2	23759.0	29696.7
75°	678.0	691.6	877.5	1511.8	1998.4	1607.4	1520.0	6859.0	13947.6	16438.0
77.5°	415.5	421.0	565.9	1033.4	1495.4	1224.7	978.7	2906.0	5396.4	5298.0
80°	235.1	235.1	360.9	642.4	1019.7	790.1	686.2	1235.7	1708.6	1500.8
82.5°	131.2	134.0	262.4	399.1	675.2	467.5	377.3	571.4	738.1	653.4
85°	54.7	60.1	161.3	188.6	322.6	232.4	153.1	240.6	273.4	243.3
87.5°	5.5	8.2	49.2	35.5	38.3	46.5	21.9	46.5	38.3	38.3
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°
6290.3	0°	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3	6290.3
6383.3	2.5°	6331.4	6290.3	6186.5	6066.2	5907.6	5831.1	5727.2	5656.1	5596.0	5601.4
6541.8	5°	6454.4	6350.5	6118.1	5828.3	5467.5	5210.5	4937.1	4748.5	4595.4	4562.6
6760.5	7.5°	6623.9	6459.8	6052.5	5530.4	4920.7	4458.7	4045.9	3780.8	3592.1	3532.0
7025.7	10°	6842.6	6604.7	5967.8	5155.8	4278.3	3690.6	3247.7	3039.9	2911.4	2867.7
7337.4	12.5°	7096.8	6771.5	5855.7	4699.3	3616.7	3050.9	2769.3	2665.4	2624.4	2610.7
7720.1	15°	7416.6	6979.2	5686.2	4158.0	3056.3	2659.9	2539.6	2526.0	2531.4	2526.0
8179.4	17.5°	7796.6	7206.1	5410.1	3600.3	2679.1	2460.4	2416.6	2427.6	2441.2	2438.5
8693.3	20°	8212.2	7430.3	5057.4	3105.5	2422.1	2318.2	2293.6	2304.5	2315.5	2310.0
9286.5	22.5°	8685.1	7670.9	4666.5	2720.1	2249.9	2187.0	2159.7	2162.4	2162.4	2151.5
10038.3	25°	9251.0	7936.1	4256.4	2446.7	2118.7	2069.4	2036.6	2025.7	2009.3	1976.5
10951.4	27.5°	9926.2	8217.6	3862.8	2255.3	2014.8	1968.3	1930.0	1902.7	1861.7	1807.0
12047.6	30°	10686.2	8559.4	3529.3	2135.1	1932.8	1886.3	1842.5	1801.5	1741.4	1673.1
13307.9	32.5°	11580.1	8925.7	3286.0	2055.8	1858.9	1809.7	1757.8	1708.6	1643.0	1574.6
14723.9	35°	12646.3	9368.5	3143.8	2001.1	1801.5	1735.9	1678.5	1623.8	1574.6	1514.5
16263.0	37.5°	13802.7	9838.7	3100.1	1973.8	1763.3	1662.1	1596.5	1558.2	1552.8	1517.2
17927.9	40°	15068.4	10396.4	3132.9	1957.4	1722.3	1591.0	1520.0	1511.8	1525.4	1462.6
19707.6	42.5°	16407.9	11058.0	3187.5	1938.2	1664.8	1520.0	1451.6	1451.6	1440.7	1353.2
21588.4	45°	17856.8	11820.7	3242.2	1891.8	1596.5	1448.9	1396.9	1377.8	1331.3	1246.6
23480.1	47.5°	19316.6	12597.1	3283.2	1807.0	1514.5	1388.7	1342.3	1298.5	1230.2	1153.6
25336.3	50°	20702.6	13294.2	3239.5	1681.3	1421.5	1331.3	1282.1	1222.0	1148.2	1096.2
27094.1	52.5°	21941.0	13898.4	3053.6	1533.6	1323.1	1271.2	1227.5	1164.6	1104.4	1049.8
28679.7	55°	23018.1	14387.7	2725.5	1394.2	1235.7	1219.2	1175.5	1096.2	1014.2	967.7
30251.6	57.5°	24051.5	14759.5	2315.5	1279.4	1156.4	1161.8	1096.2	1025.2	948.6	899.4
32370.3	60°	25426.5	15257.0	1900.0	1172.8	1071.6	1088.0	1017.0	965.0	869.3	806.5
36003.4	62.5°	27624.5	16030.7	1509.0	1041.6	973.2	978.7	948.6	885.7	770.9	697.1
38696.1	65°	29368.6	15746.4	1189.2	899.4	861.1	869.3	869.3	801.0	678.0	593.2
38841.0	67.5°	29171.8	13482.8	948.6	760.0	754.5	760.0	779.1	721.7	601.4	533.1
35883.1	70°	26872.7	10724.5	760.0	631.5	656.1	642.4	697.1	658.8	541.3	472.9
27818.6	72.5°	21927.4	7725.6	579.6	522.1	503.0	524.9	628.8	593.2	451.1	374.5
14734.9	75°	12813.1	4122.5	431.9	412.8	363.6	437.4	557.7	505.7	344.5	276.1
4516.1	77.5°	4171.7	1437.9	317.1	303.4	270.6	352.7	475.7	426.5	281.6	218.7
1323.1	80°	1118.1	434.7	216.0	199.6	175.0	262.4	377.3	339.0	202.3	142.2
568.6	82.5°	448.3	183.2	125.8	112.1	95.7	180.4	298.0	273.4	150.4	90.2
177.7	85°	144.9	60.1	46.5	35.5	43.7	112.1	177.7	185.9	106.6	46.5
27.3	87.5°	19.1	8.2	8.2	10.9	8.2	19.1	54.7	51.9	30.1	5.5
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°
6290.3
5546.8
4488.8
3471.9
2834.9
2602.5
2523.2
2433.0
2307.3
2146.0
1971.0
1801.5
1667.6
1577.4
1509.0
1514.5
1465.3
1353.2
1243.9
1150.9
1088.0
1044.3
962.3
893.9
798.3
691.6
585.0
522.1
464.7
366.3
267.9
210.5
139.4
90.2
35.5
0.0
0.0

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