

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: P851505

Luminaire Tested: **GLAN-SB9C-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851505
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-SB9C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 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: 48880 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

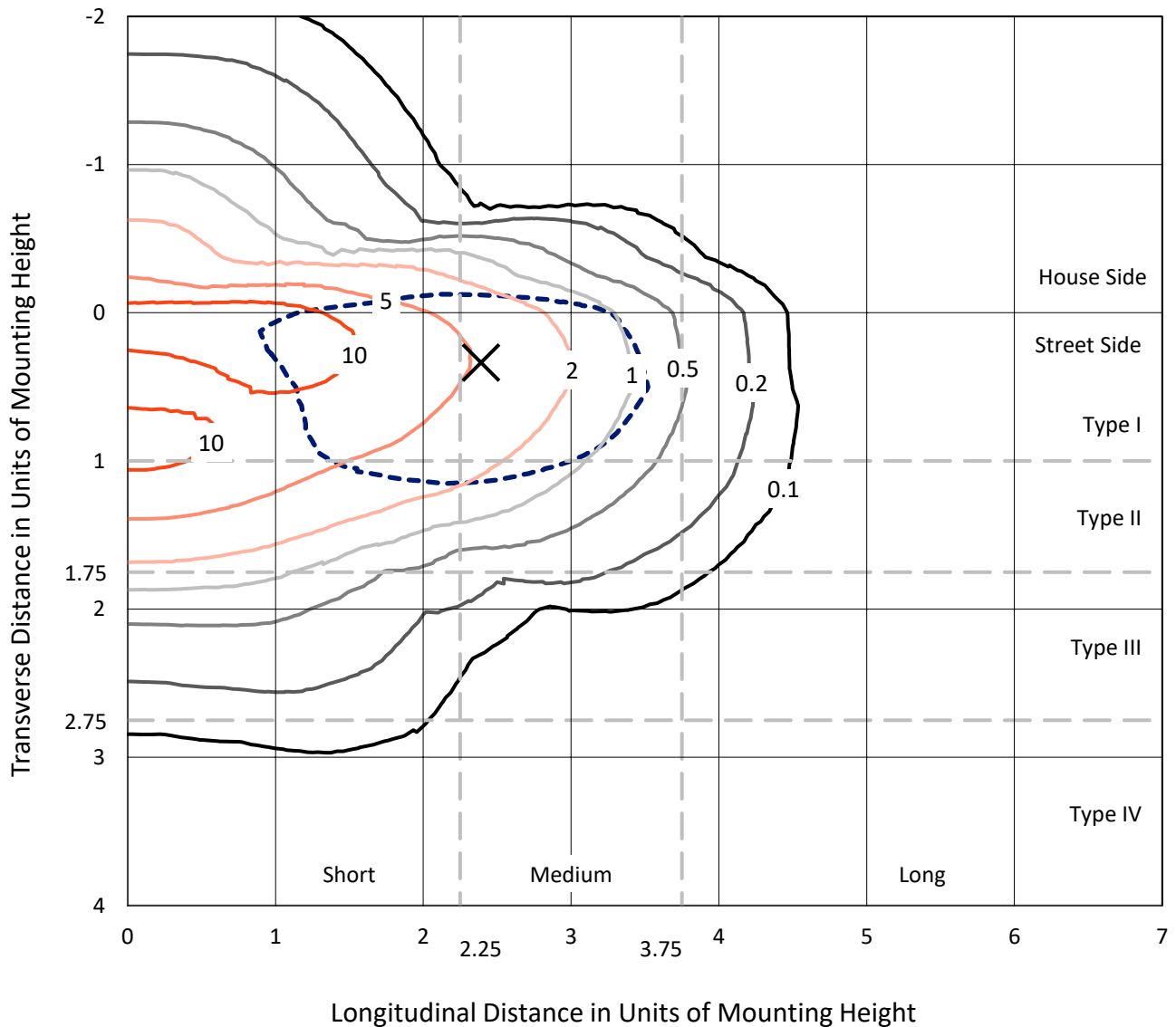
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

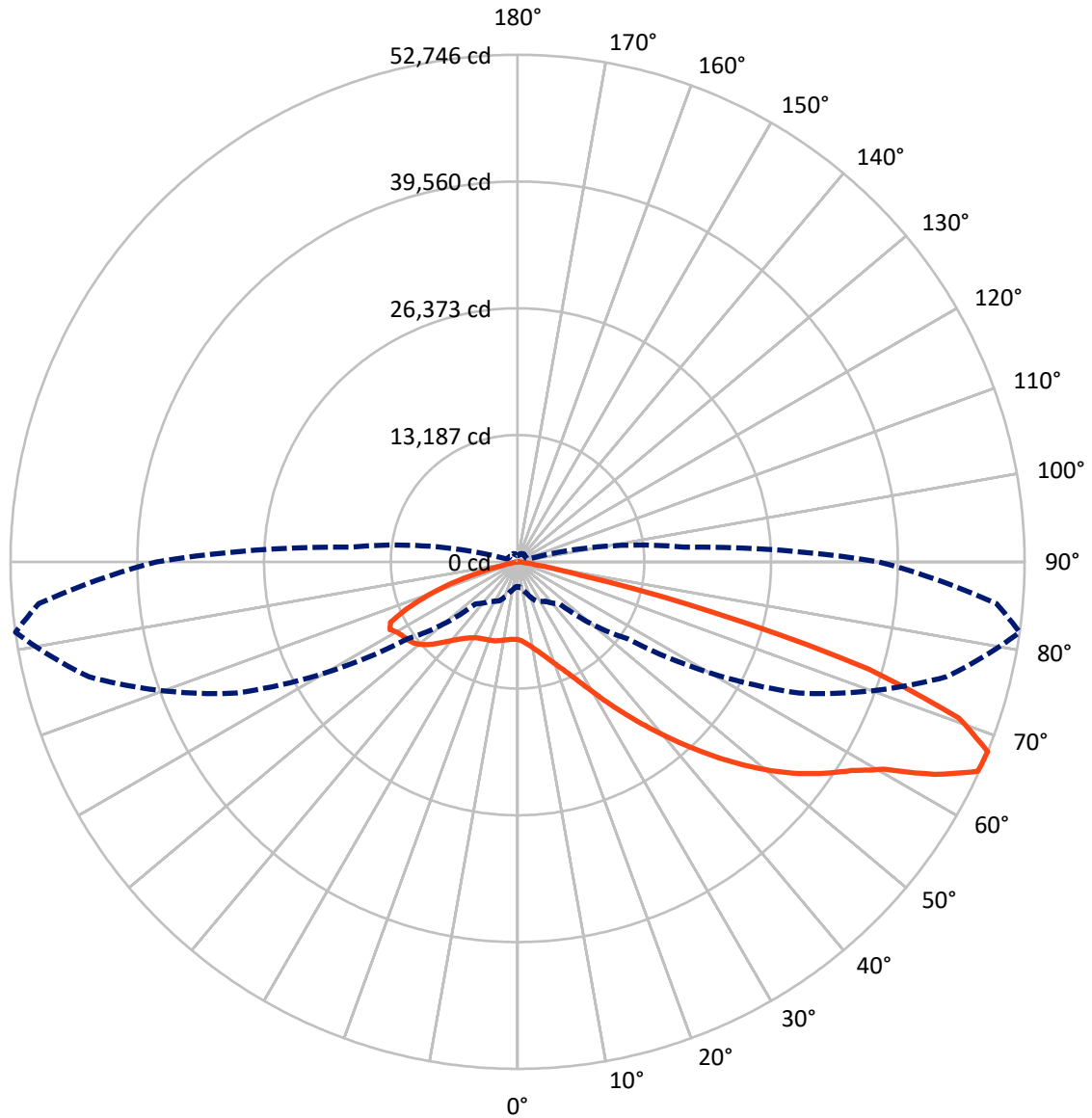
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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	8854.2	0.0	8854.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	40025.8	0.0	40025.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	48880.0	0.0	48880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.5	1.5
10°-20°	1874.8	3.8
20°-30°	3002.8	6.1
30°-40°	5309.8	10.9
40°-50°	9303.3	19.0
50°-60°	12408.0	25.4
60°-70°	11551.2	23.6
70°-80°	4433.3	9.1
80°-90°	275.4	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°	48880.0	100.0
0°-180°	48880.0	100.0

Coefficient of Utilization

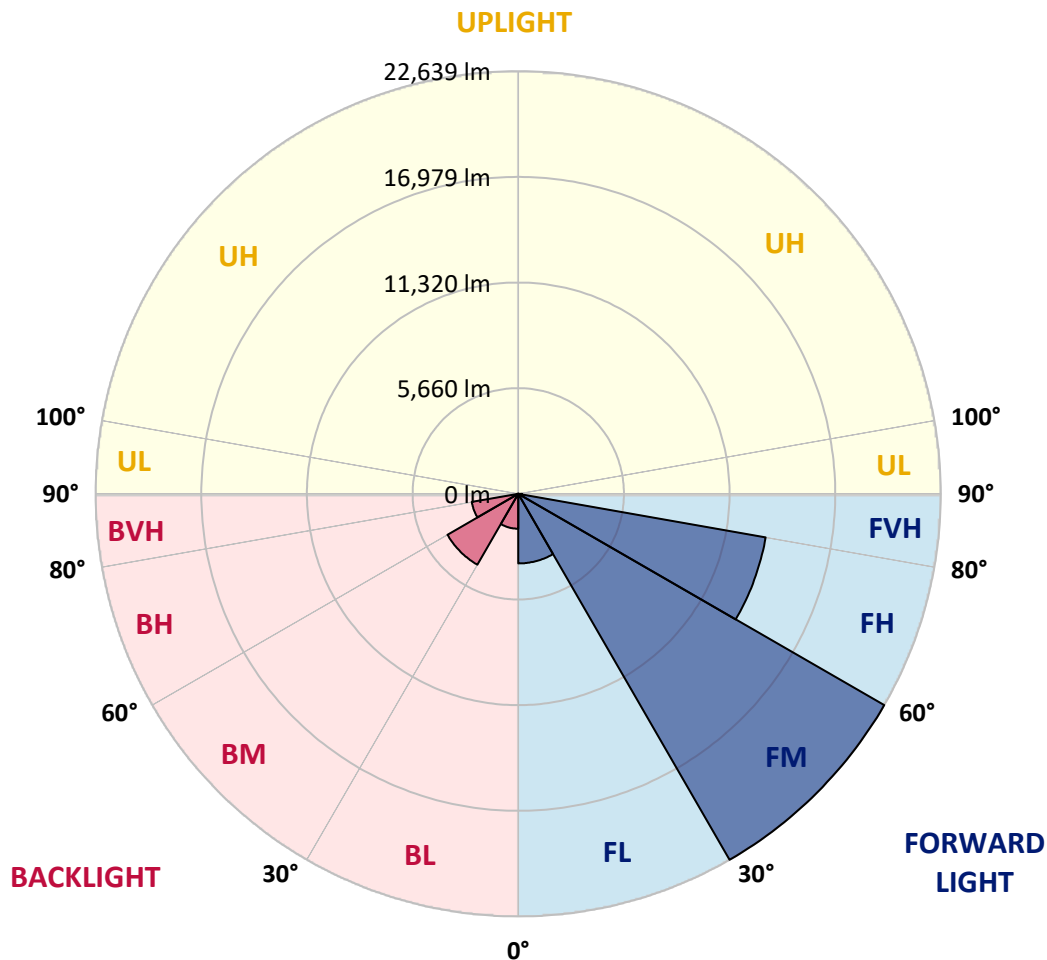


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3729.0	7.6			
FM (30°-60°)	22639.2	46.3			
FH (60°-80°)	13457.4	27.5			G5
FVH (80°-90°)	200.2	0.4			G2/225
BL (0°-30°)	1870.0	3.8	B3/2500		
BM (30°-60°)	4381.9	9.0	B3/5000		
BH (60°-80°)	2527.1	5.2	B4/5000		G4/5000
BVH (80°-90°)	75.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8
2.5°	8558.8	8608.1	8579.9	8565.8	8541.2	8506.0	8477.8	8389.9	8298.4	8238.5
5°	8731.2	8780.5	8777.0	8791.1	8808.6	8819.2	8812.2	8713.6	8583.4	8481.4
7.5°	8583.4	8639.7	8685.5	8755.9	8879.0	9009.2	9072.6	9051.5	8917.7	8777.0
10°	8164.6	8224.5	8333.6	8499.0	8759.4	9040.9	9276.7	9385.8	9301.3	9146.5
12.5°	7397.4	7457.3	7671.9	8030.9	8467.3	8956.5	9406.9	9699.0	9720.1	9565.3
15°	6535.2	6595.0	6823.8	7274.3	7939.4	8724.2	9477.3	10029.8	10216.3	10082.6
17.5°	6000.3	6053.1	6225.5	6588.0	7281.3	8259.6	9452.7	10381.7	10807.6	10702.0
20°	5838.4	5884.2	5965.1	6218.5	6795.6	7777.5	9290.8	10712.6	11444.6	11384.7
22.5°	6010.9	6053.1	6077.7	6190.3	6552.8	7460.8	9086.7	11050.4	12183.6	12190.6
25°	6408.5	6450.8	6422.6	6493.0	6651.4	7362.2	9009.2	11448.1	13112.7	13190.1
27.5°	7063.1	7066.6	6999.8	6996.2	7020.9	7510.0	9090.2	11873.9	14284.6	14428.9
30°	8375.8	8323.0	8066.1	7788.1	7661.4	7953.5	9315.4	12377.2	15667.6	15924.5
32.5°	10399.3	10321.9	9850.3	9185.2	8516.6	8667.9	9720.1	12950.8	17173.9	17638.4
35°	12595.3	12574.2	12081.5	11092.6	9924.2	9684.9	10378.2	13703.9	18817.4	19556.4
37.5°	14636.5	14625.9	14344.4	13179.5	11757.8	11103.2	11434.0	14689.3	20577.0	21646.8
40°	16501.7	16533.4	16251.8	15210.1	13777.8	12922.6	12869.8	15906.9	22533.7	23923.8
42.5°	18113.5	18148.7	17863.6	17092.9	15773.2	14935.6	14633.0	17399.1	24444.6	26369.6
45°	19208.0	19426.2	19384.0	18768.1	17821.4	16952.2	16751.6	19271.3	26623.0	28963.3
47.5°	19517.7	19718.3	20035.0	20119.5	19542.3	18687.1	18926.5	21527.2	28826.1	31560.5
50°	18754.0	18940.5	19598.6	20474.9	20876.1	20612.2	21041.5	23944.9	31081.9	34150.7
52.5°	17247.8	17437.8	18268.4	19654.9	21291.4	22121.9	23163.6	26327.4	33267.3	36603.6
55°	15069.4	15270.0	16336.3	17905.9	20499.5	22744.8	24933.8	28706.4	35269.8	38810.1
57.5°	12106.2	12254.0	13362.5	15558.5	18507.7	22125.4	26239.4	31303.6	37156.1	40978.0
60°	7890.1	8020.3	9308.4	11757.8	15206.6	20056.1	26499.8	34199.9	39661.8	43796.9
62.5°	5247.2	5335.2	6098.8	7897.2	10709.0	16082.9	24976.0	36512.1	43335.9	48702.7
65°	3600.2	3688.2	4451.8	5704.7	6918.8	10638.7	20594.6	36205.9	46665.1	52598.5
67.5°	2569.0	2642.9	3290.5	4472.9	5007.9	6179.8	13960.8	32292.5	46186.5	52746.3
70°	1840.6	1882.8	2417.7	3484.0	3980.3	3712.8	7763.4	24698.0	40439.5	48706.2
72.5°	1288.0	1302.1	1678.7	2653.5	3206.0	2709.8	3695.2	16466.5	30585.7	38229.5
75°	872.8	890.4	1129.7	1946.1	2572.6	2069.3	1956.7	8829.8	17955.1	21161.2
77.5°	534.9	542.0	728.5	1330.3	1925.0	1576.6	1259.9	3740.9	6947.0	6820.3
80°	302.7	302.7	464.5	827.0	1312.7	1017.1	883.3	1590.7	2199.5	1932.1
82.5°	168.9	172.4	337.8	513.8	869.3	601.8	485.7	735.5	950.2	841.1
85°	70.4	77.4	207.6	242.8	415.3	299.1	197.1	309.7	351.9	313.2
87.5°	7.0	10.6	63.3	45.8	49.3	59.8	28.2	59.8	49.3	49.3
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°
8097.8	0°	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8	8097.8
8217.4	2.5°	8150.6	8097.8	7964.0	7809.2	7605.1	7506.5	7372.8	7281.3	7203.9	7210.9
8421.5	5°	8308.9	8175.2	7876.0	7503.0	7038.5	6707.7	6355.7	6112.9	5915.8	5873.6
8703.1	7.5°	8527.1	8316.0	7791.6	7119.4	6334.6	5739.9	5208.5	4867.1	4624.3	4546.9
9044.4	10°	8808.6	8502.5	7682.5	6637.3	5507.6	4751.0	4180.9	3913.4	3748.0	3691.7
9445.6	12.5°	9135.9	8717.1	7538.2	6049.6	4655.9	3927.5	3565.0	3431.3	3378.5	3360.9
9938.3	15°	9547.7	8984.6	7320.0	5352.8	3934.5	3424.2	3269.4	3251.8	3258.8	3251.8
10529.6	17.5°	10036.9	9276.7	6964.6	4634.8	3448.9	3167.3	3111.0	3125.1	3142.7	3139.2
11191.2	20°	10571.8	9565.3	6510.6	3997.9	3118.0	2984.3	2952.6	2966.7	2980.8	2973.8
11954.8	22.5°	11180.6	9875.0	6007.3	3501.6	2896.3	2815.4	2780.2	2783.7	2783.7	2769.6
12922.6	25°	11909.1	10216.3	5479.5	3149.7	2727.4	2664.1	2621.8	2607.8	2586.6	2544.4
14098.1	27.5°	12778.3	10578.8	4972.7	2903.4	2593.7	2533.8	2484.6	2449.4	2396.6	2326.2
15509.3	30°	13756.7	11018.7	4543.3	2748.5	2488.1	2428.3	2372.0	2319.2	2241.8	2153.8
17131.6	32.5°	14907.5	11490.3	4230.1	2646.5	2393.1	2329.7	2262.9	2199.5	2115.1	2027.1
18954.6	35°	16280.0	12060.4	4047.1	2576.1	2319.2	2234.7	2160.8	2090.4	2027.1	1949.7
20935.9	37.5°	17768.6	12665.7	3990.8	2540.9	2269.9	2139.7	2055.2	2006.0	1998.9	1953.2
23079.1	40°	19398.0	13383.7	4033.0	2519.8	2217.1	2048.2	1956.7	1946.1	1963.7	1882.8
25370.2	42.5°	21122.5	14235.3	4103.4	2495.1	2143.2	1956.7	1868.7	1868.7	1854.6	1742.0
27791.4	45°	22987.6	15217.2	4173.8	2435.3	2055.2	1865.2	1798.3	1773.7	1713.9	1604.8
30226.7	47.5°	24866.9	16216.6	4226.6	2326.2	1949.7	1787.8	1727.9	1671.6	1583.7	1485.1
32616.3	50°	26651.2	17114.0	4170.3	2164.3	1830.0	1713.9	1650.5	1573.1	1478.1	1411.2
34879.1	52.5°	28245.4	17891.8	3931.0	1974.3	1703.3	1636.4	1580.1	1499.2	1421.8	1351.4
36920.3	55°	29632.0	18521.7	3508.7	1794.8	1590.7	1569.6	1513.3	1411.2	1305.6	1245.8
38943.9	57.5°	30962.2	19000.4	2980.8	1647.0	1488.6	1495.7	1411.2	1319.7	1221.2	1157.8
41671.3	60°	32732.4	19640.9	2445.9	1509.8	1379.5	1400.7	1309.2	1242.3	1119.1	1038.2
46348.3	62.5°	35561.9	20636.8	1942.6	1340.8	1252.8	1259.9	1221.2	1140.2	992.4	897.4
49814.8	65°	37807.2	20270.8	1530.9	1157.8	1108.6	1119.1	1119.1	1031.1	872.8	763.7
50001.3	67.5°	37553.8	17356.9	1221.2	978.3	971.3	978.3	1003.0	929.1	774.2	686.3
46193.5	70°	34594.1	13806.0	978.3	812.9	844.6	827.0	897.4	848.1	696.8	608.8
35811.7	72.5°	28227.8	9945.4	746.1	672.2	647.5	675.7	809.4	763.7	580.7	482.1
18968.7	75°	16494.7	5307.0	556.0	531.4	468.1	563.1	717.9	651.1	443.4	355.4
5813.8	77.5°	5370.4	1851.1	408.2	390.6	348.4	454.0	612.3	549.0	362.5	281.5
1703.3	80°	1439.4	559.6	278.0	256.9	225.2	337.8	485.7	436.4	260.4	183.0
732.0	82.5°	577.2	235.8	161.9	144.3	123.2	232.3	383.6	351.9	193.6	116.1
228.8	85°	186.5	77.4	59.8	45.8	56.3	144.3	228.8	239.3	137.3	59.8
35.2	87.5°	24.6	10.6	10.6	14.1	10.6	24.6	70.4	66.9	38.7	7.0
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°
8097.8
7140.5
5778.6
4469.4
3649.4
3350.3
3248.3
3132.1
2970.2
2762.6
2537.4
2319.2
2146.7
2030.6
1942.6
1949.7
1886.3
1742.0
1601.3
1481.6
1400.7
1344.3
1238.8
1150.8
1027.6
890.4
753.1
672.2
598.3
471.6
344.9
271.0
179.5
116.1
45.8
0.0
0.0

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