

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: P850205

Luminaire Tested: **GLAN-SB7C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850205
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-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 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: 32202 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

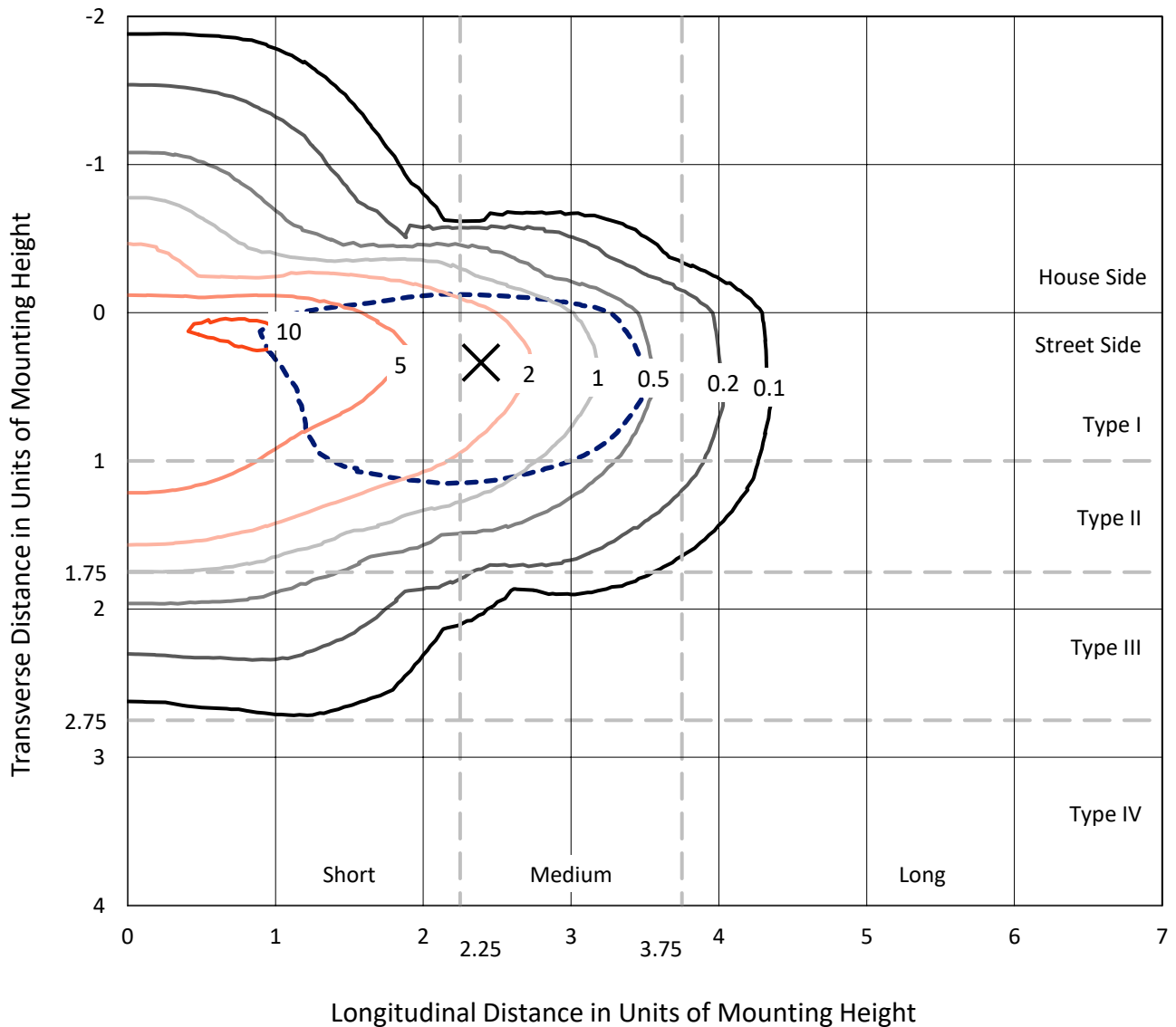
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

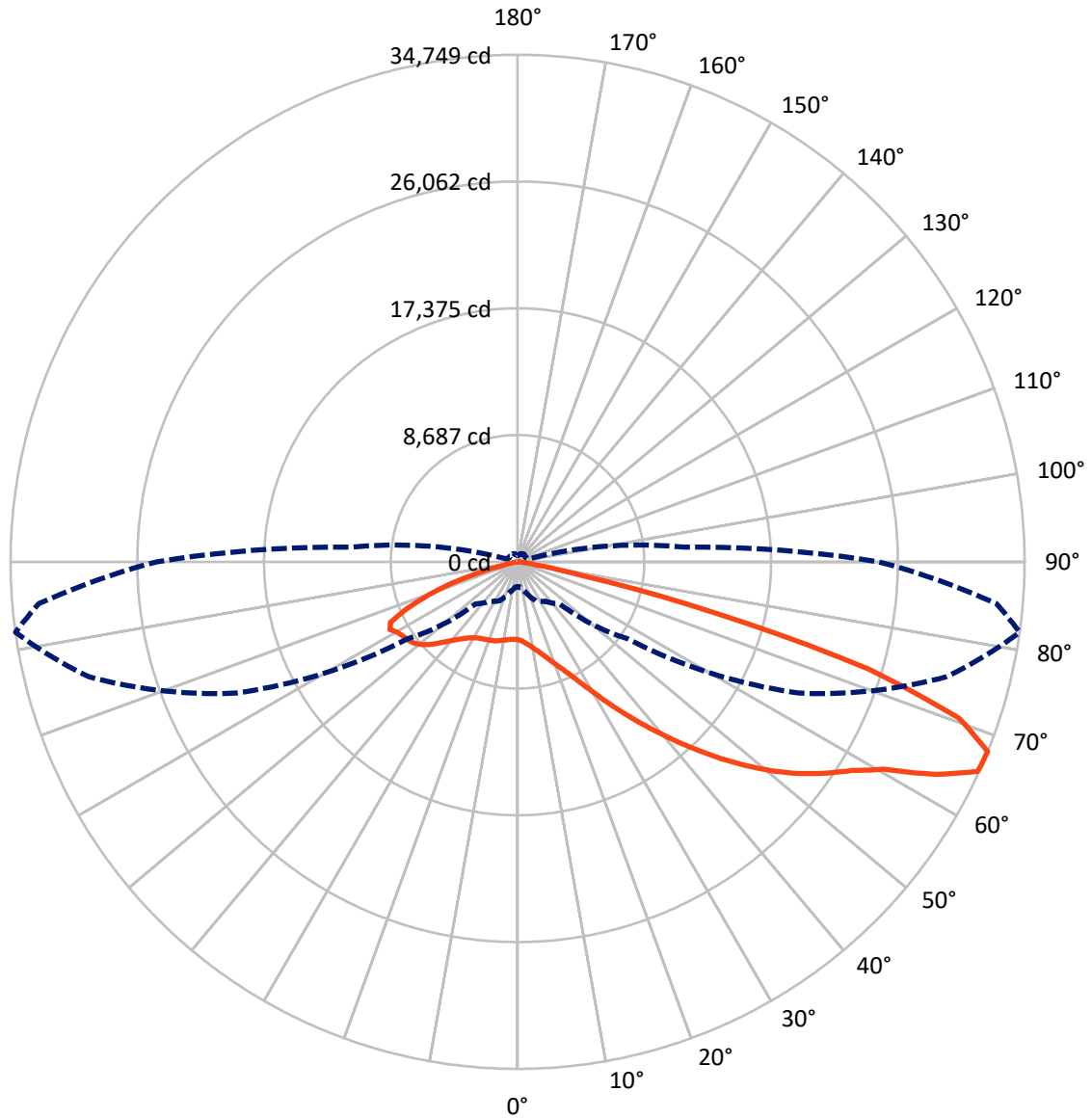
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	5833.1	0.0	5833.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26368.9	0.0	26368.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	32202.0	0.0	32202.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.3	1.5
10°-20°	1235.1	3.8
20°-30°	1978.2	6.1
30°-40°	3498.1	10.9
40°-50°	6129.0	19.0
50°-60°	8174.4	25.4
60°-70°	7609.9	23.6
70°-80°	2920.7	9.1
80°-90°	181.4	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°	32202.0	100.0
0°-180°	32202.0	100.0

Coefficient of Utilization



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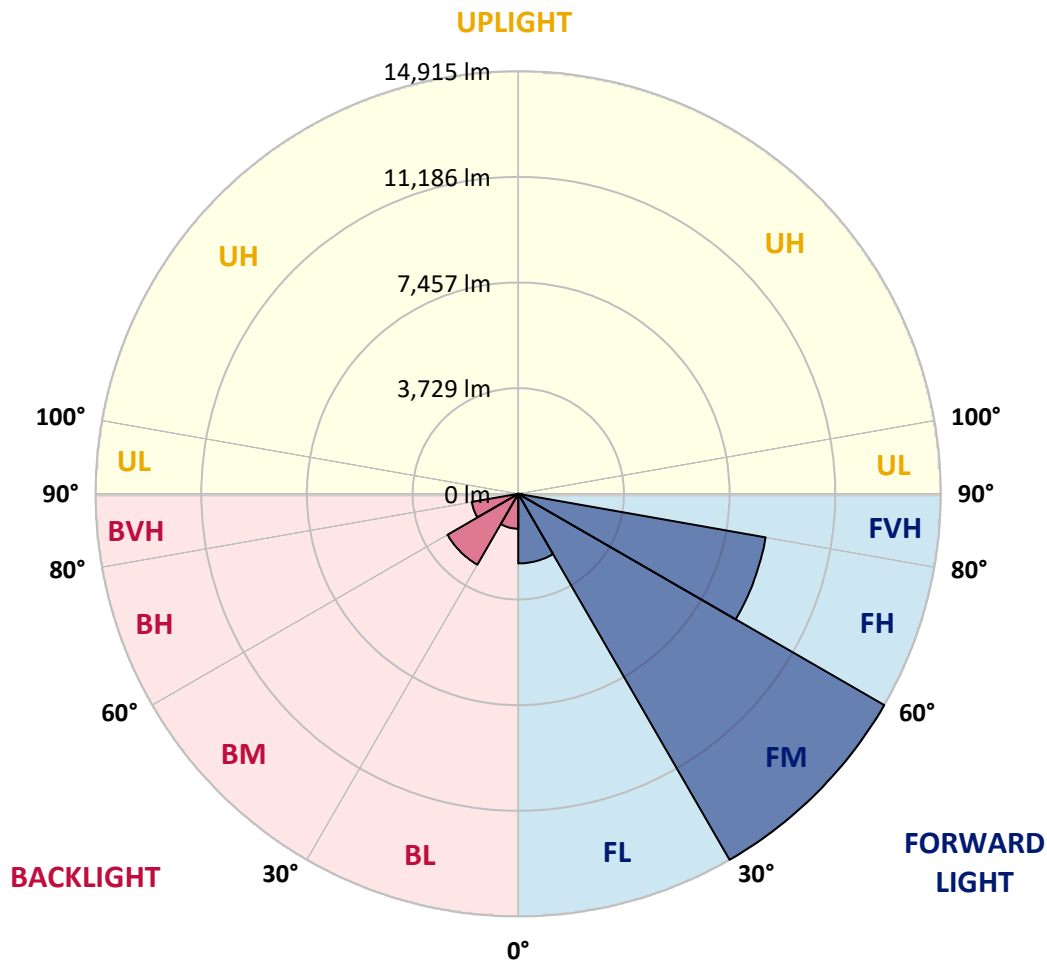
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2456.7	7.6			
FM (30°-60°)	14914.6	46.3			
FH (60°-80°)	8865.7	27.5			G4/12000
FVH (80°-90°)	131.9	0.4			G2/225
BL (0°-30°)	1231.9	3.8	B3/2500		
BM (30°-60°)	2886.8	9.0	B3/5000		
BH (60°-80°)	1664.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	49.5	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°	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8
2.5°	5638.5	5671.0	5652.4	5643.1	5626.9	5603.7	5585.2	5527.2	5466.9	5427.5
5°	5752.1	5784.6	5782.2	5791.5	5803.1	5810.1	5805.4	5740.5	5654.7	5587.5
7.5°	5654.7	5691.8	5722.0	5768.3	5849.5	5935.3	5977.0	5963.1	5875.0	5782.2
10°	5378.8	5418.2	5490.1	5599.1	5770.7	5956.1	6111.5	6183.3	6127.7	6025.7
12.5°	4873.4	4912.8	5054.2	5290.7	5578.2	5900.5	6197.2	6389.7	6403.6	6301.6
15°	4305.4	4344.8	4495.5	4792.3	5230.5	5747.5	6243.6	6607.6	6730.5	6642.4
17.5°	3953.0	3987.8	4101.4	4340.2	4796.9	5441.4	6227.4	6839.5	7120.0	7050.4
20°	3846.3	3876.5	3929.8	4096.7	4477.0	5123.8	6120.7	7057.4	7539.6	7500.2
22.5°	3959.9	3987.8	4004.0	4078.2	4317.0	4915.1	5986.3	7280.0	8026.5	8031.2
25°	4221.9	4249.7	4231.2	4277.6	4381.9	4850.2	5935.3	7542.0	8638.6	8689.6
27.5°	4653.2	4655.5	4611.4	4609.1	4625.3	4947.6	5988.6	7822.5	9410.6	9505.7
30°	5517.9	5483.2	5313.9	5130.8	5047.3	5239.7	6137.0	8154.0	10321.8	10491.0
32.5°	6851.1	6800.0	6489.4	6051.2	5610.7	5710.4	6403.6	8531.9	11314.1	11620.1
35°	8297.8	8283.9	7959.3	7307.8	6538.1	6380.4	6837.1	9028.1	12396.8	12883.7
37.5°	9642.5	9635.5	9450.1	8682.6	7746.0	7314.7	7532.7	9677.3	13556.0	14260.9
40°	10871.3	10892.1	10706.7	10020.4	9076.8	8513.4	8478.6	10479.4	14845.1	15760.9
42.5°	11933.1	11956.3	11768.5	11260.8	10391.3	9839.6	9640.2	11462.5	16104.0	17372.2
45°	12654.2	12797.9	12770.1	12364.4	11740.7	11168.0	11035.9	12695.9	17539.2	19080.9
47.5°	12858.2	12990.3	13199.0	13254.6	12874.4	12311.0	12468.7	14182.0	18990.5	20792.0
50°	12355.1	12478.0	12911.5	13488.8	13753.1	13579.2	13862.1	15774.8	20476.7	22498.4
52.5°	11362.8	11488.0	12035.1	12948.6	14026.7	14573.9	15260.1	17344.4	21916.4	24114.3
55°	9927.7	10059.8	10762.3	11796.3	13505.0	14984.2	16426.3	18911.7	23235.6	25568.0
57.5°	7975.5	8072.9	8803.2	10249.9	12192.8	14576.2	17286.5	20622.7	24478.3	26996.2
60°	5198.0	5283.8	6132.3	7746.0	10018.1	13212.9	17458.0	22530.8	26129.1	28853.3
62.5°	3456.8	3514.8	4017.9	5202.6	7055.1	10595.4	16454.1	24054.0	28549.5	32085.2
65°	2371.8	2429.7	2932.9	3758.2	4558.1	7008.7	13567.6	23852.3	30742.8	34651.7
67.5°	1692.5	1741.2	2167.8	2946.8	3299.2	4071.2	9197.3	21274.2	30427.5	34749.1
70°	1212.6	1240.4	1592.8	2295.3	2622.2	2446.0	5114.5	16271.0	26641.4	32087.5
72.5°	848.6	857.8	1105.9	1748.1	2112.1	1785.2	2434.4	10848.1	20149.8	25185.5
75°	575.0	586.6	744.2	1282.1	1694.8	1363.3	1289.1	5817.0	11828.8	13940.9
77.5°	352.4	357.0	479.9	876.4	1268.2	1038.7	830.0	2464.5	4576.6	4493.2
80°	199.4	199.4	306.0	544.8	864.8	670.0	581.9	1047.9	1449.0	1272.8
82.5°	111.3	113.6	222.6	338.5	572.7	396.5	319.9	484.6	626.0	554.1
85°	46.4	51.0	136.8	160.0	273.6	197.1	129.8	204.0	231.8	206.3
87.5°	4.6	7.0	41.7	30.1	32.5	39.4	18.5	39.4	32.5	32.5
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°
5334.8	0°	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8	5334.8
5413.6	2.5°	5369.6	5334.8	5246.7	5144.7	5010.2	4945.3	4857.2	4796.9	4745.9	4750.5
5548.1	5°	5473.9	5385.8	5188.7	4943.0	4636.9	4419.0	4187.1	4027.2	3897.3	3869.5
5733.6	7.5°	5617.6	5478.5	5133.1	4690.2	4173.2	3781.4	3431.3	3206.4	3046.5	2995.5
5958.4	10°	5803.1	5601.4	5061.2	4372.6	3628.4	3129.9	2754.3	2578.1	2469.2	2432.1
6222.8	12.5°	6018.7	5742.8	4966.1	3985.4	3067.3	2587.4	2348.6	2260.5	2225.7	2214.1
6547.3	15°	6290.0	5919.0	4822.4	3526.4	2592.0	2255.9	2153.9	2142.3	2146.9	2142.3
6936.8	17.5°	6612.3	6111.5	4588.2	3053.4	2272.1	2086.6	2049.5	2058.8	2070.4	2068.1
7372.7	20°	6964.7	6301.6	4289.2	2633.8	2054.2	1966.1	1945.2	1954.5	1963.7	1959.1
7875.8	22.5°	7365.8	6505.6	3957.6	2306.9	1908.1	1854.8	1831.6	1833.9	1833.9	1824.6
8513.4	25°	7845.7	6730.5	3609.8	2075.0	1796.8	1755.1	1727.3	1718.0	1704.1	1676.2
9287.8	27.5°	8418.3	6969.3	3276.0	1912.7	1708.7	1669.3	1636.8	1613.6	1578.9	1532.5
10217.5	30°	9062.9	7259.1	2993.1	1810.7	1639.2	1599.7	1562.6	1527.9	1476.9	1418.9
11286.3	32.5°	9821.0	7569.8	2786.8	1743.5	1576.6	1534.8	1490.8	1449.0	1393.4	1335.4
12487.2	35°	10725.2	7945.4	2666.2	1697.1	1527.9	1472.2	1423.5	1377.2	1335.4	1284.4
13792.5	37.5°	11705.9	8344.1	2629.1	1673.9	1495.4	1409.6	1354.0	1321.5	1316.9	1286.7
15204.5	40°	12779.4	8817.1	2657.0	1660.0	1460.6	1349.3	1289.1	1282.1	1293.7	1240.4
16713.8	42.5°	13915.4	9378.2	2703.3	1643.8	1411.9	1289.1	1231.1	1231.1	1221.8	1147.6
18308.9	45°	15144.2	10025.0	2749.7	1604.4	1354.0	1228.8	1184.7	1168.5	1129.1	1057.2
19913.3	47.5°	16382.3	10683.5	2784.5	1532.5	1284.4	1177.8	1138.4	1101.3	1043.3	978.4
21487.5	50°	17557.7	11274.7	2747.4	1425.9	1205.6	1129.1	1087.4	1036.4	973.8	929.7
22978.3	52.5°	18608.0	11787.1	2589.7	1300.7	1122.1	1078.1	1041.0	987.7	936.7	890.3
24323.0	55°	19521.5	12202.1	2311.5	1182.4	1047.9	1034.0	996.9	929.7	860.1	820.7
25656.1	57.5°	20397.8	12517.4	1963.7	1085.0	980.7	985.3	929.7	869.4	804.5	762.8
27452.9	60°	21564.0	12939.3	1611.3	994.6	908.8	922.7	862.5	818.4	737.3	683.9
30534.1	62.5°	23428.1	13595.5	1279.8	883.3	825.4	830.0	804.5	751.2	653.8	591.2
32817.8	65°	24907.2	13354.3	1008.5	762.8	730.3	737.3	737.3	679.3	575.0	503.1
32940.7	67.5°	24740.3	11434.7	804.5	644.5	639.9	644.5	660.8	612.1	510.1	452.1
30432.1	70°	22790.5	9095.3	644.5	535.6	556.4	544.8	591.2	558.7	459.1	401.1
23592.7	72.5°	18596.4	6552.0	491.5	442.8	426.6	445.1	533.2	503.1	382.5	317.6
12496.5	75°	10866.6	3496.2	366.3	350.1	308.4	371.0	473.0	428.9	292.1	234.2
3830.1	77.5°	3538.0	1219.5	268.9	257.3	229.5	299.1	403.4	361.7	238.8	185.5
1122.1	80°	948.3	368.6	183.2	169.2	148.4	222.6	319.9	287.5	171.6	120.6
482.2	82.5°	380.2	155.3	106.6	95.1	81.1	153.0	252.7	231.8	127.5	76.5
150.7	85°	122.9	51.0	39.4	30.1	37.1	95.1	150.7	157.7	90.4	39.4
23.2	87.5°	16.2	7.0	7.0	9.3	7.0	16.2	46.4	44.1	25.5	4.6
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>
5334.8
4704.2
3806.9
2944.4
2404.2
2207.2
2139.9
2063.4
1956.8
1820.0
1671.6
1527.9
1414.3
1337.8
1279.8
1284.4
1242.7
1147.6
1054.9
976.1
922.7
885.7
816.1
758.1
677.0
586.6
496.2
442.8
394.1
310.7
227.2
178.5
118.2
76.5
30.1
0.0
0.0

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