

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: P850225

Luminaire Tested: **GLAN-SB7C-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850225
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-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 33394 lumens
Efficiency: N/A
Efficacy: 95.3 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

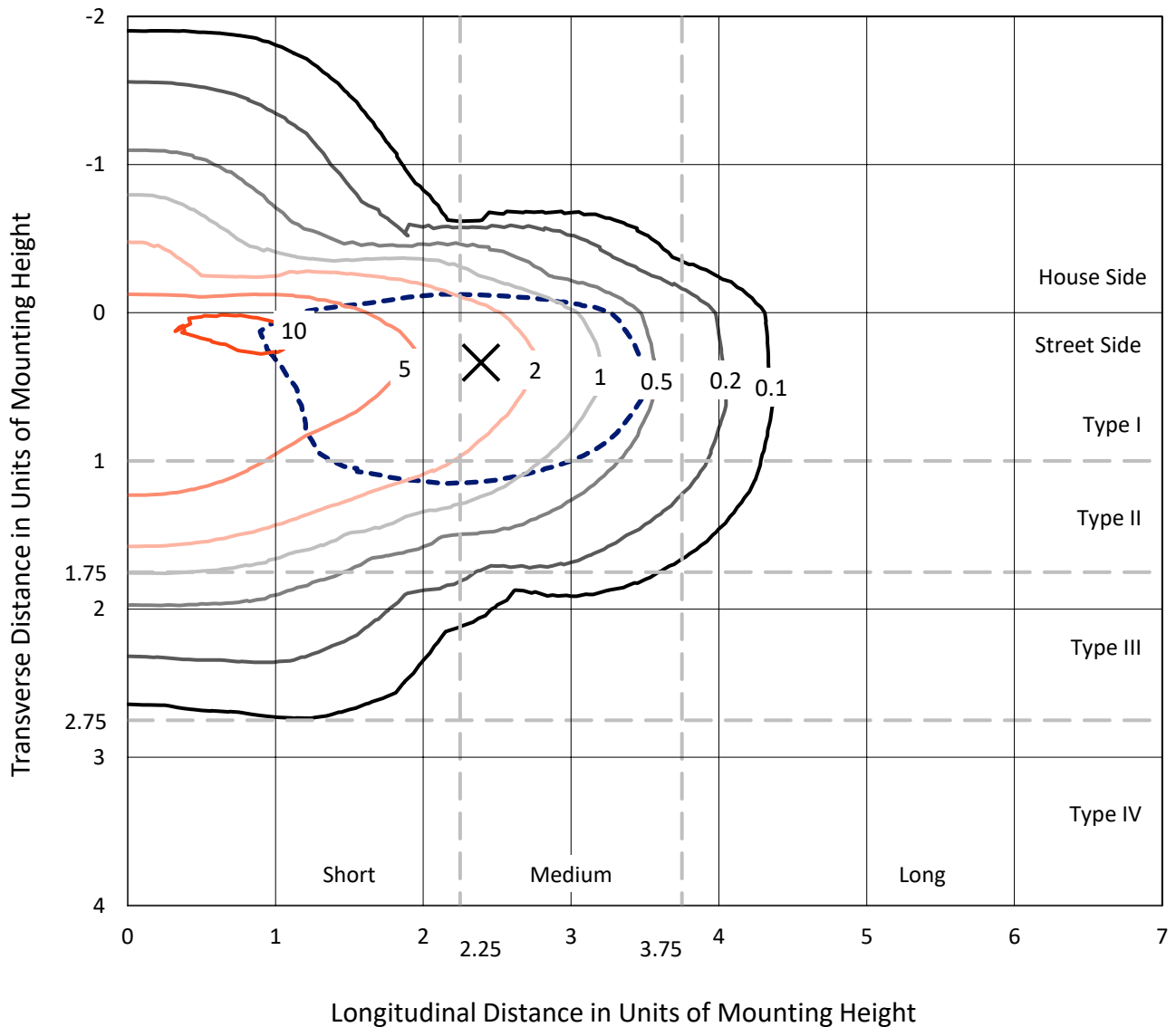
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

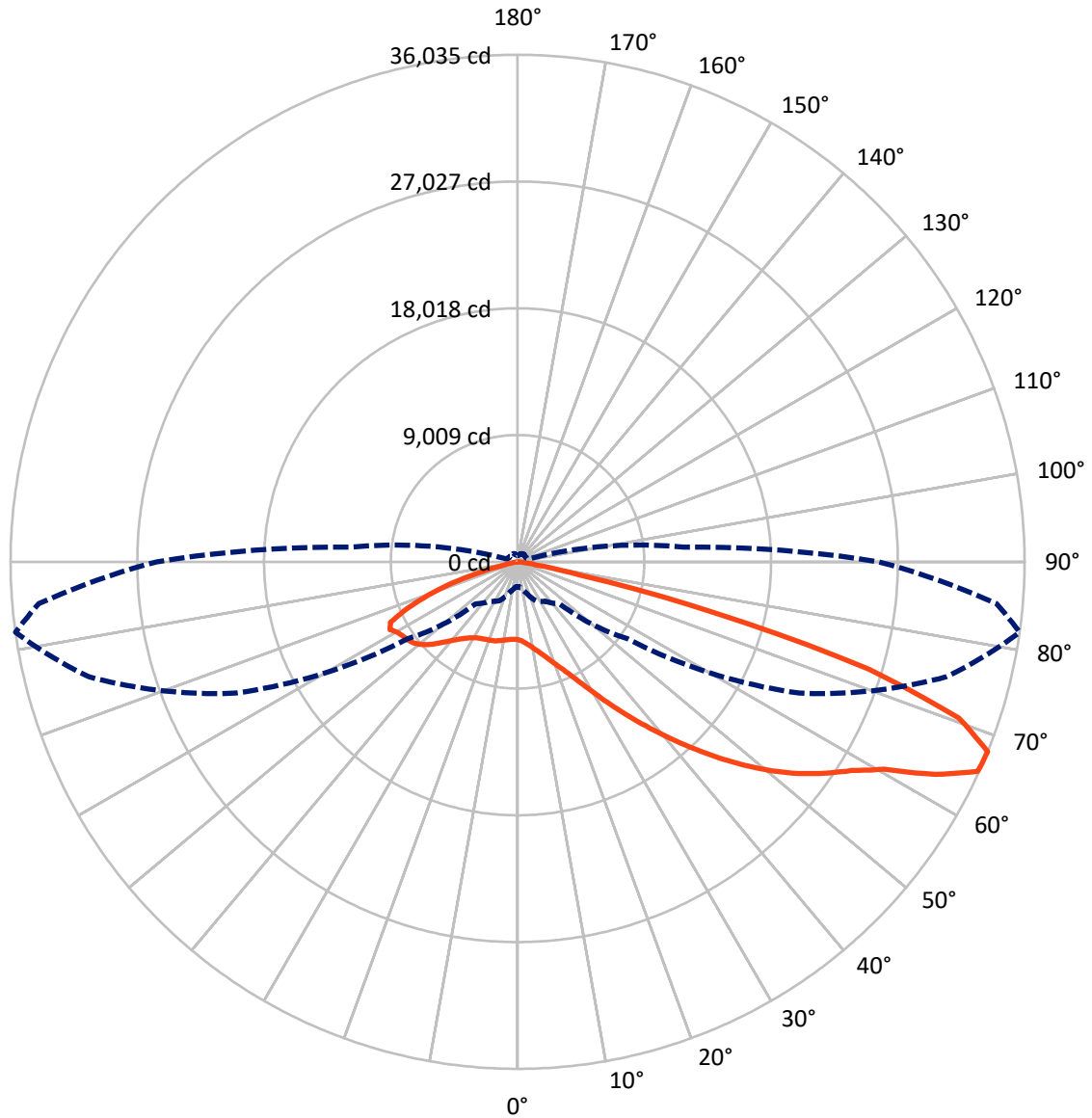
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	6049.0	0.0	6049.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27345.0	0.0	27345.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	33394.0	0.0	33394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.9	1.5
10°-20°	1280.8	3.8
20°-30°	2051.4	6.1
30°-40°	3627.6	10.9
40°-50°	6355.9	19.0
50°-60°	8476.9	25.4
60°-70°	7891.6	23.6
70°-80°	3028.8	9.1
80°-90°	188.1	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°	33394.0	100.0
0°-180°	33394.0	100.0

Coefficient of Utilization

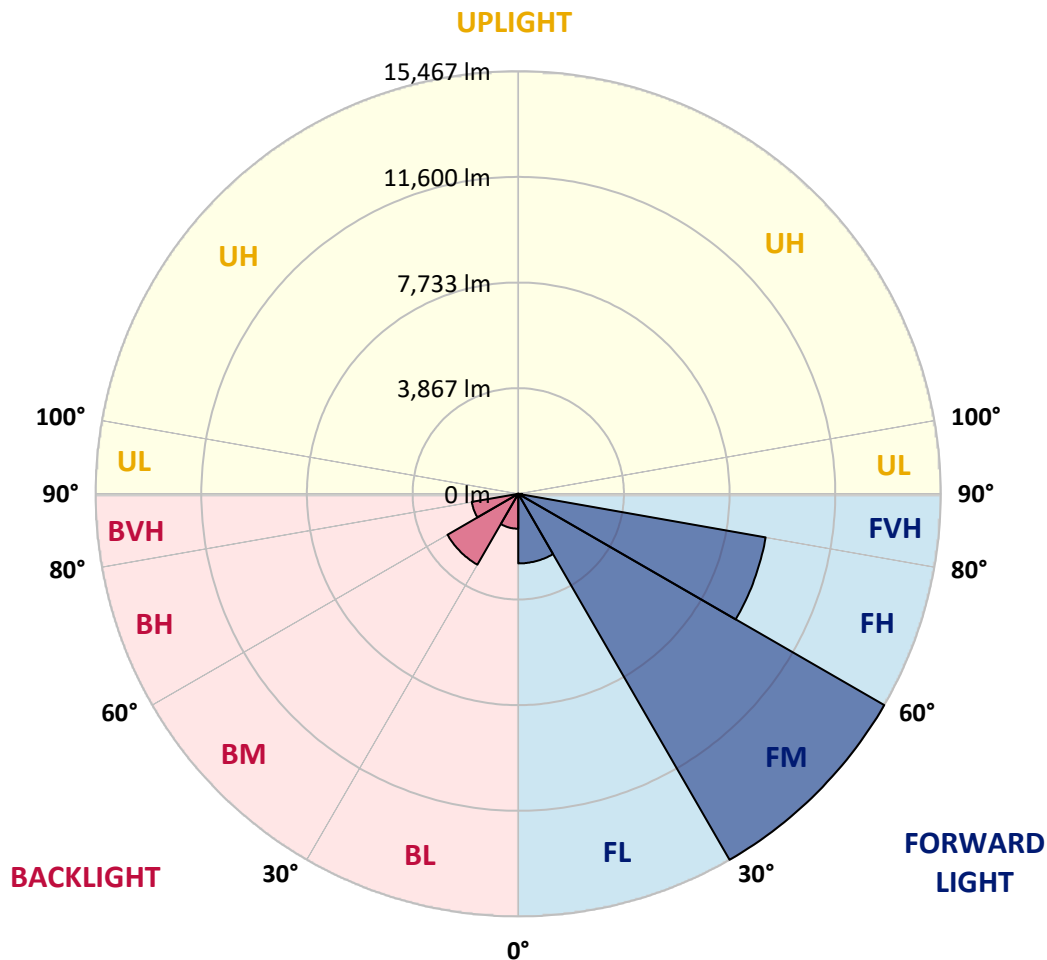


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2547.6	7.6			
FM (30°-60°)	15466.7	46.3			
FH (60°-80°)	9193.9	27.5			G4/12000
FVH (80°-90°)	136.8	0.4			G2/225
BL (0°-30°)	1277.5	3.8	B3/2500		
BM (30°-60°)	2993.6	9.0	B3/5000		
BH (60°-80°)	1726.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	51.4	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°	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3
2.5°	5847.2	5880.9	5861.6	5852.0	5835.2	5811.2	5791.9	5731.8	5669.3	5628.4
5°	5965.0	5998.7	5996.3	6005.9	6017.9	6025.1	6020.3	5953.0	5864.0	5794.3
7.5°	5864.0	5902.5	5933.8	5981.9	6066.0	6155.0	6198.2	6183.8	6092.5	5996.3
10°	5577.9	5618.8	5693.3	5806.3	5984.3	6176.6	6337.7	6412.2	6354.5	6248.7
12.5°	5053.8	5094.7	5241.3	5486.6	5784.7	6118.9	6426.6	6626.2	6640.6	6534.8
15°	4464.8	4505.6	4661.9	4969.7	5424.1	5960.2	6474.7	6852.2	6979.6	6888.3
17.5°	4099.3	4135.4	4253.2	4500.8	4974.5	5642.9	6457.9	7092.6	7383.6	7311.4
20°	3988.7	4020.0	4075.3	4248.4	4642.7	5313.5	6347.3	7318.6	7818.7	7777.9
22.5°	4106.5	4135.4	4152.2	4229.1	4476.8	5097.1	6207.9	7549.4	8323.6	8328.4
25°	4378.2	4407.1	4387.8	4435.9	4544.1	5029.8	6155.0	7821.1	8958.4	9011.3
27.5°	4825.4	4827.8	4782.1	4779.7	4796.5	5130.7	6210.3	8112.1	9759.0	9857.6
30°	5722.2	5686.1	5510.6	5320.7	5234.1	5433.7	6364.1	8455.9	10703.9	10879.4
32.5°	7104.7	7051.8	6729.6	6275.2	5818.4	5921.7	6640.6	8847.8	11732.9	12050.3
35°	8604.9	8590.5	8253.9	7578.3	6780.1	6616.6	7090.2	9362.3	12855.7	13360.6
37.5°	9999.4	9992.2	9799.9	9004.0	8032.7	7585.5	7811.5	10035.5	14057.8	14788.7
40°	11273.7	11295.3	11103.0	10391.3	9412.8	8828.5	8792.5	10867.4	15394.6	16344.3
42.5°	12374.8	12398.9	12204.1	11677.6	10776.0	10203.8	9997.0	11886.8	16700.2	18015.3
45°	13122.6	13271.6	13242.8	12822.0	12175.3	11581.4	11444.4	13165.9	18188.4	19787.3
47.5°	13334.2	13471.2	13687.6	13745.3	13351.0	12766.7	12930.2	14707.0	19693.5	21561.6
50°	12812.4	12939.9	13389.5	13988.1	14262.2	14081.9	14375.2	16358.7	21234.6	23331.2
52.5°	11783.4	11913.2	12480.6	13427.9	14545.9	15113.3	15825.0	17986.4	22727.7	25006.9
55°	10295.1	10432.2	11160.7	12233.0	14004.9	15538.9	17034.3	19611.7	24095.7	26514.4
57.5°	8270.7	8371.7	9129.1	10629.3	12644.1	15115.7	17926.3	21386.1	25384.4	27995.5
60°	5390.4	5479.4	6359.3	8032.7	10388.9	13702.0	18104.3	23364.8	27096.3	29921.3
62.5°	3584.8	3644.9	4166.6	5395.2	7316.2	10987.6	17063.2	24944.4	29606.3	33272.9
65°	2459.6	2519.7	3041.4	3897.3	4726.8	7268.1	14069.9	24735.3	31880.8	35934.4
67.5°	1755.1	1805.6	2248.0	3055.8	3421.3	4221.9	9537.8	22061.7	31553.8	36035.4
70°	1257.4	1286.3	1651.7	2380.2	2719.2	2536.5	5303.8	16873.3	27627.6	33275.3
72.5°	880.0	889.6	1146.8	1812.8	2190.3	1851.3	2524.5	11249.6	20895.6	26117.7
75°	596.3	608.3	771.8	1329.6	1757.5	1413.7	1336.8	6032.3	12266.7	14457.0
77.5°	365.5	370.3	497.7	908.8	1315.1	1077.1	860.7	2555.8	4746.1	4659.5
80°	206.8	206.8	317.4	565.0	896.8	694.8	603.5	1086.7	1502.7	1320.0
82.5°	115.4	117.8	230.8	351.0	593.9	411.1	331.8	502.5	649.2	574.6
85°	48.1	52.9	141.9	165.9	283.7	204.4	134.6	211.6	240.4	214.0
87.5°	4.8	7.2	43.3	31.3	33.7	40.9	19.2	40.9	33.7	33.7
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°
5532.3	0°	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3	5532.3
5614.0	2.5°	5568.3	5532.3	5440.9	5335.1	5195.7	5128.3	5037.0	4974.5	4921.6	4926.4
5753.4	5°	5676.5	5585.1	5380.8	5125.9	4808.6	4582.6	4342.1	4176.2	4041.6	4012.7
5945.8	7.5°	5825.6	5681.3	5323.1	4863.9	4327.7	3921.4	3558.3	3325.1	3159.2	3106.3
6179.0	10°	6017.9	5808.7	5248.6	4534.5	3762.7	3245.8	2856.3	2673.6	2560.6	2522.1
6453.1	12.5°	6241.5	5955.4	5150.0	4133.0	3180.9	2683.2	2435.5	2344.2	2308.1	2296.1
6789.7	15°	6522.8	6138.1	5000.9	3656.9	2688.0	2339.4	2233.6	2221.6	2226.4	2221.6
7193.6	17.5°	6857.0	6337.7	4758.1	3166.4	2356.2	2163.9	2125.4	2135.0	2147.0	2144.6
7645.6	20°	7222.5	6534.8	4447.9	2731.3	2130.2	2038.8	2017.2	2026.8	2036.4	2031.6
8167.4	22.5°	7638.4	6746.4	4104.1	2392.3	1978.7	1923.4	1899.4	1901.8	1901.8	1892.2
8828.5	25°	8136.1	6979.6	3743.5	2151.8	1863.3	1820.0	1791.2	1781.6	1767.1	1738.3
9631.6	27.5°	8730.0	7227.3	3397.3	1983.5	1772.0	1731.1	1697.4	1673.4	1637.3	1589.2
10595.7	30°	9398.3	7527.8	3103.9	1877.7	1699.8	1659.0	1620.5	1584.4	1531.5	1471.4
11704.1	32.5°	10184.5	7850.0	2889.9	1808.0	1634.9	1591.6	1546.0	1502.7	1445.0	1384.9
12949.5	35°	11122.2	8239.5	2764.9	1759.9	1584.4	1526.7	1476.2	1428.1	1384.9	1332.0
14303.1	37.5°	12139.2	8653.0	2726.5	1735.9	1550.8	1461.8	1404.1	1370.4	1365.6	1334.4
15767.3	40°	13252.4	9143.5	2755.3	1721.5	1514.7	1399.3	1336.8	1329.6	1341.6	1286.3
17332.5	42.5°	14430.5	9725.3	2803.4	1704.6	1464.2	1336.8	1276.7	1276.7	1267.1	1190.1
18986.6	45°	15704.8	10396.1	2851.5	1663.8	1404.1	1274.3	1228.6	1211.8	1170.9	1096.4
20650.4	47.5°	16988.7	11078.9	2887.5	1589.2	1332.0	1221.4	1180.5	1142.0	1081.9	1014.6
22282.9	50°	18207.6	11692.0	2849.1	1478.6	1250.2	1170.9	1127.6	1074.7	1009.8	964.1
23828.9	52.5°	19296.8	12223.4	2685.6	1348.8	1163.7	1118.0	1079.5	1024.2	971.3	923.2
25223.3	55°	20244.1	12653.7	2397.1	1226.2	1086.7	1072.3	1033.8	964.1	892.0	851.1
26605.8	57.5°	21152.9	12980.7	2036.4	1125.2	1017.0	1021.8	964.1	901.6	834.3	791.0
28469.1	60°	22362.2	13418.3	1671.0	1031.4	942.5	956.9	894.4	848.7	764.6	709.3
31664.4	62.5°	24295.3	14098.7	1327.2	916.0	855.9	860.7	834.3	779.0	678.0	613.1
34032.6	65°	25829.2	13848.7	1045.9	791.0	757.3	764.6	764.6	704.5	596.3	521.7
34160.1	67.5°	25656.1	11857.9	834.3	668.4	663.6	668.4	685.2	634.7	528.9	468.8
31558.6	70°	23634.1	9432.0	668.4	555.4	577.0	565.0	613.1	579.4	476.0	415.9
24466.0	72.5°	19284.8	6794.5	509.7	459.2	442.4	461.6	553.0	521.7	396.7	329.4
12959.1	75°	11268.9	3625.7	379.9	363.0	319.8	384.7	490.5	444.8	302.9	242.8
3971.9	77.5°	3668.9	1264.7	278.9	266.9	238.0	310.2	418.3	375.1	247.6	192.3
1163.7	80°	983.4	382.3	189.9	175.5	153.9	230.8	331.8	298.1	177.9	125.0
500.1	82.5°	394.3	161.1	110.6	98.6	84.1	158.7	262.1	240.4	132.2	79.3
156.3	85°	127.4	52.9	40.9	31.3	38.5	98.6	156.3	163.5	93.8	40.9
24.0	87.5°	16.8	7.2	7.2	9.6	7.2	16.8	48.1	45.7	26.4	4.8
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°
5532.3
4878.3
3947.8
3053.4
2493.2
2288.9
2219.2
2139.8
2029.2
1887.4
1733.5
1584.4
1466.6
1387.3
1327.2
1332.0
1288.7
1190.1
1093.9
1012.2
956.9
918.4
846.3
786.2
702.1
608.3
514.5
459.2
408.7
322.2
235.6
185.1
122.6
79.3
31.3
0.0
0.0

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