

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: P851395

Luminaire Tested: **GLAN-SB9B-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851395
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-SB9B-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 450mA 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: 31010 lumens
Efficiency: N/A
Efficacy: 94.1 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

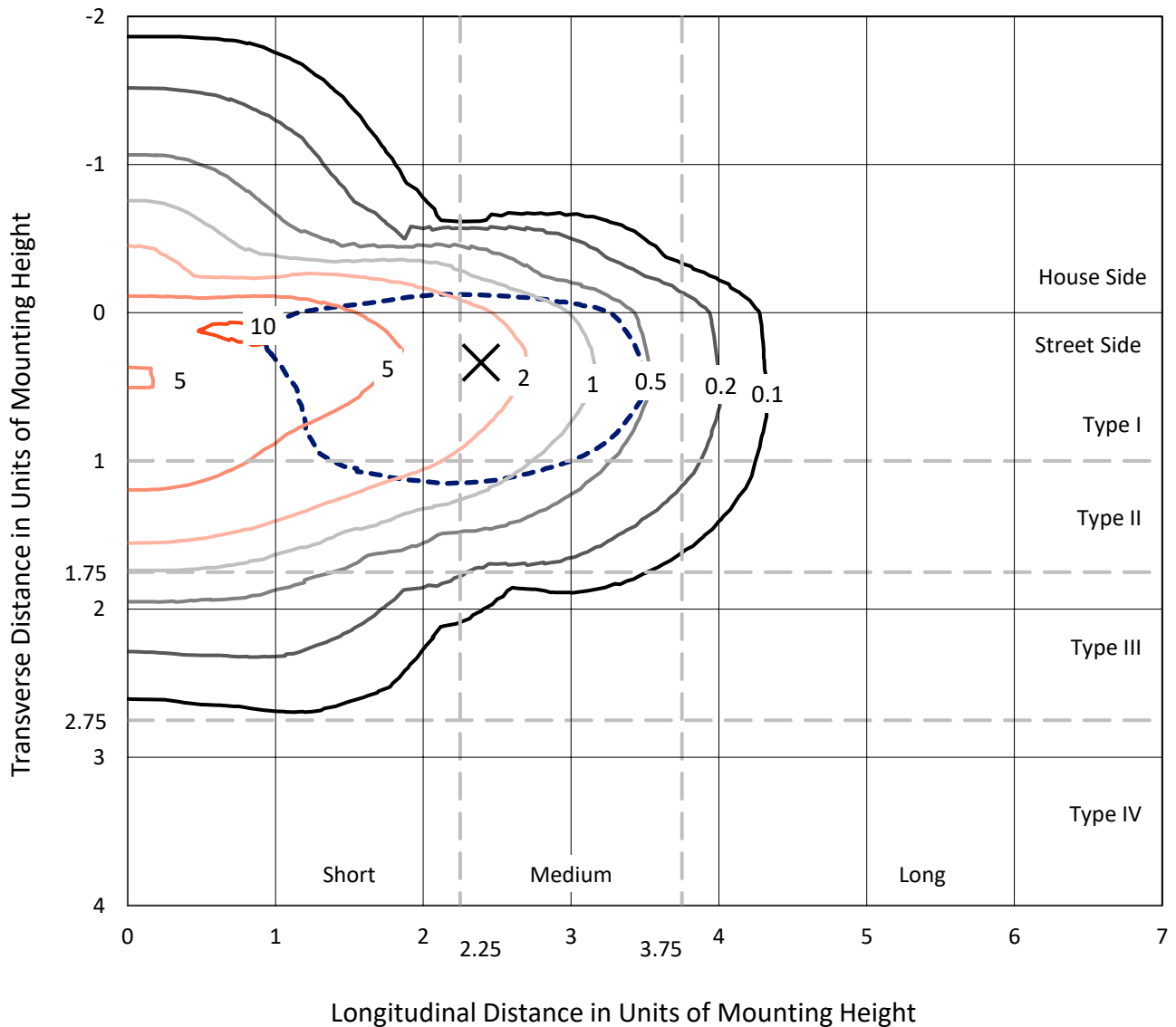
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

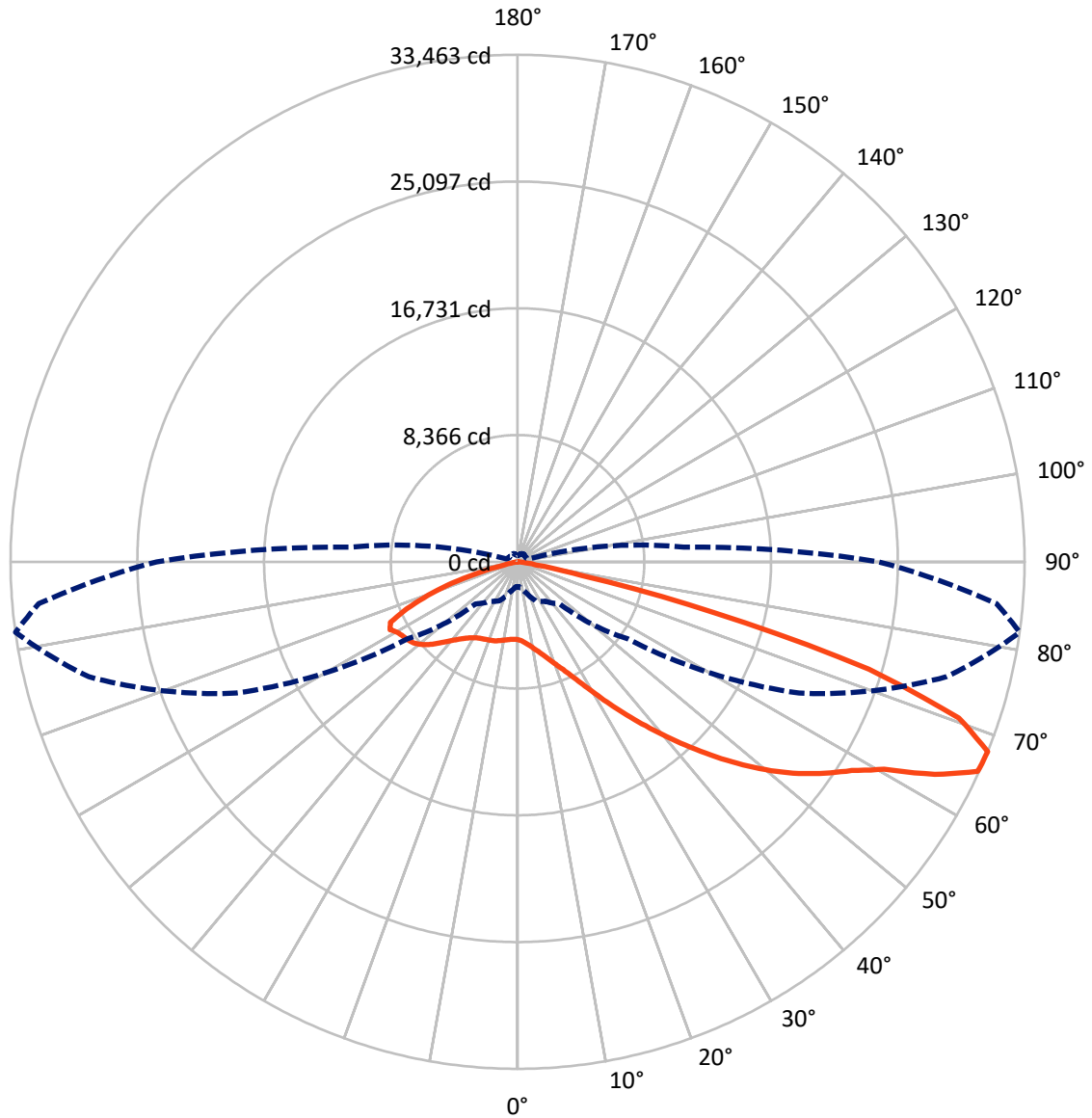
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	5617.2	0.0	5617.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	25392.8	0.0	25392.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	31010.0	0.0	31010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.7	1.5
10°-20°	1189.4	3.8
20°-30°	1905.0	6.1
30°-40°	3368.6	10.9
40°-50°	5902.1	19.0
50°-60°	7871.8	25.4
60°-70°	7328.2	23.6
70°-80°	2812.6	9.1
80°-90°	174.7	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°	31010.0	100.0
0°-180°	31010.0	100.0

Coefficient of Utilization

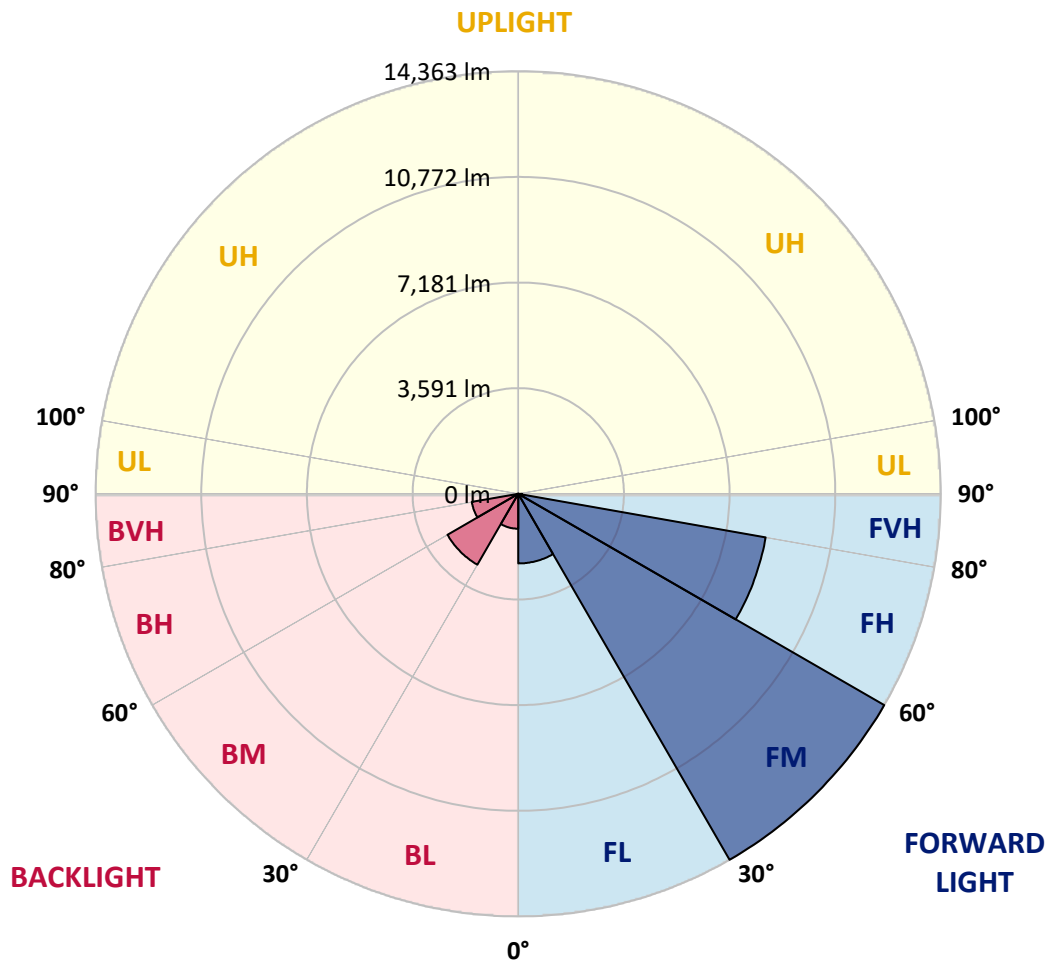


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2365.7	7.6			
FM (30°-60°)	14362.6	46.3			
FH (60°-80°)	8537.5	27.5			G4/12000
FVH (80°-90°)	127.0	0.4			G2/225
BL (0°-30°)	1186.3	3.8	B3/2500		
BM (30°-60°)	2779.9	9.0	B3/5000		
BH (60°-80°)	1603.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	47.7	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°	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3
2.5°	5429.8	5461.0	5443.2	5434.2	5418.6	5396.3	5378.4	5322.6	5264.6	5226.6
5°	5539.2	5570.4	5568.2	5577.1	5588.3	5595.0	5590.5	5528.0	5445.4	5380.7
7.5°	5445.4	5481.1	5510.2	5554.8	5633.0	5715.6	5755.7	5742.4	5657.5	5568.2
10°	5179.7	5217.7	5286.9	5391.8	5557.0	5735.7	5885.2	5954.5	5900.9	5802.6
12.5°	4693.0	4731.0	4867.2	5094.9	5371.7	5682.1	5967.9	6153.2	6166.6	6068.3
15°	4146.0	4184.0	4329.1	4614.9	5036.8	5534.7	6012.5	6363.0	6481.4	6396.5
17.5°	3806.7	3840.1	3949.5	4179.5	4619.3	5240.0	5996.9	6586.3	6856.4	6789.5
20°	3704.0	3733.0	3784.3	3945.1	4311.2	4934.1	5894.2	6796.2	7260.5	7222.6
22.5°	3813.4	3840.1	3855.8	3927.2	4157.2	4733.2	5764.7	7010.5	7729.4	7733.9
25°	4065.6	4092.4	4074.6	4119.2	4219.7	4670.7	5715.6	7262.8	8318.8	8367.9
27.5°	4480.9	4483.1	4440.7	4438.5	4454.1	4764.5	5766.9	7532.9	9062.3	9153.8
30°	5313.7	5280.2	5117.2	4940.8	4860.5	5045.8	5909.8	7852.2	9939.7	10102.7
32.5°	6597.5	6548.3	6249.2	5827.2	5403.0	5499.0	6166.6	8216.1	10895.3	11190.0
35°	7990.6	7977.2	7664.7	7037.3	6296.0	6144.2	6584.1	8693.9	11937.9	12406.8
37.5°	9285.6	9278.9	9100.2	8361.2	7459.3	7044.0	7253.9	9319.0	13054.3	13733.0
40°	10468.9	10488.9	10310.3	9649.5	8740.8	8198.3	8164.8	10091.5	14295.6	15177.5
42.5°	11491.4	11513.7	11332.9	10843.9	10006.7	9475.3	9283.3	11038.2	15507.9	16729.2
45°	12185.8	12324.2	12297.4	11906.7	11306.1	10754.6	10627.4	12225.9	16889.9	18374.6
47.5°	12382.2	12509.5	12710.4	12764.0	12397.9	11855.3	12007.1	13657.1	18287.6	20022.3
50°	11897.7	12016.1	12433.6	12989.5	13244.0	13076.6	13349.0	15190.9	19718.7	21665.6
52.5°	10942.2	11062.7	11589.6	12469.3	13507.5	14034.4	14695.2	16702.4	21105.2	23221.7
55°	9560.2	9687.4	10363.9	11359.7	13005.1	14429.6	15818.3	18211.7	22375.5	24621.6
57.5°	7680.3	7774.1	8477.3	9870.5	11741.5	14036.6	16646.6	19859.3	23572.2	25996.9
60°	5005.6	5088.2	5905.3	7459.3	9647.2	12723.8	16811.8	21696.8	25161.9	27785.2
62.5°	3328.9	3384.7	3869.2	5010.0	6793.9	10203.2	15845.1	23163.7	27492.7	30897.5
65°	2284.0	2339.8	2824.3	3619.1	4389.4	6749.3	13065.4	22969.4	29604.8	33369.1
67.5°	1629.8	1676.7	2087.5	2837.7	3177.0	3920.5	8856.9	20486.7	29301.2	33462.8
70°	1167.7	1194.5	1533.8	2210.3	2525.1	2355.4	4925.2	15668.7	25655.3	30899.8
72.5°	817.1	826.1	1065.0	1683.4	2033.9	1719.1	2344.3	10446.5	19403.9	24253.2
75°	553.7	564.9	716.7	1234.7	1632.1	1312.8	1241.3	5601.7	11390.9	13424.9
77.5°	339.4	343.8	462.2	843.9	1221.3	1000.2	799.3	2373.3	4407.2	4326.9
80°	192.0	192.0	294.7	524.7	832.8	645.2	560.4	1009.2	1395.4	1225.7
82.5°	107.2	109.4	214.3	326.0	551.5	381.8	308.1	466.6	602.8	533.6
85°	44.7	49.1	131.7	154.1	263.5	189.8	125.0	196.5	223.3	198.7
87.5°	4.5	6.7	40.2	29.0	31.3	38.0	17.9	38.0	31.3	31.3
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°
5137.3	0°	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3	5137.3
5213.2	2.5°	5170.8	5137.3	5052.5	4954.2	4824.7	4762.2	4677.4	4619.3	4570.2	4574.7
5342.7	5°	5271.3	5186.4	4996.7	4760.0	4465.3	4255.4	4032.2	3878.1	3753.1	3726.3
5521.3	7.5°	5409.7	5275.7	4943.1	4516.6	4018.8	3641.4	3304.3	3087.7	2933.7	2884.6
5737.9	10°	5588.3	5394.1	4873.9	4210.8	3494.1	3014.1	2652.4	2482.7	2377.8	2342.0
5992.4	12.5°	5795.9	5530.3	4782.3	3837.9	2953.8	2491.6	2261.7	2176.8	2143.3	2132.2
6305.0	15°	6057.2	5699.9	4643.9	3395.8	2496.1	2172.4	2074.1	2063.0	2067.4	2063.0
6680.1	17.5°	6367.5	5885.2	4418.4	2940.4	2188.0	2009.4	1973.7	1982.6	1993.7	1991.5
7099.8	20°	6706.9	6068.3	4130.4	2536.3	1978.1	1893.3	1873.2	1882.1	1891.0	1886.6
7584.3	22.5°	7093.1	6264.8	3811.1	2221.5	1837.5	1786.1	1763.8	1766.0	1766.0	1757.1
8198.3	25°	7555.3	6481.4	3476.2	1998.2	1730.3	1690.1	1663.3	1654.4	1641.0	1614.2
8944.0	27.5°	8106.7	6711.3	3154.7	1841.9	1645.5	1607.5	1576.2	1553.9	1520.4	1475.8
9839.3	30°	8727.4	6990.4	2882.3	1743.7	1578.5	1540.5	1504.8	1471.3	1422.2	1366.4
10868.5	32.5°	9457.5	7289.6	2683.6	1678.9	1518.2	1478.0	1435.6	1395.4	1341.8	1286.0
12025.0	35°	10328.2	7651.3	2567.5	1634.3	1471.3	1417.7	1370.8	1326.2	1286.0	1236.9
13282.0	37.5°	11272.6	8035.3	2531.8	1612.0	1440.1	1357.4	1303.9	1272.6	1268.1	1239.1
14641.7	40°	12306.3	8490.7	2558.6	1598.6	1406.6	1299.4	1241.3	1234.7	1245.8	1194.5
16095.1	42.5°	13400.3	9031.0	2603.3	1582.9	1359.7	1241.3	1185.5	1185.5	1176.6	1105.2
17631.2	45°	14583.6	9653.9	2647.9	1545.0	1303.9	1183.3	1140.9	1125.3	1087.3	1018.1
19176.2	47.5°	15775.8	10288.0	2681.4	1475.8	1236.9	1134.2	1096.2	1060.5	1004.7	942.2
20692.1	50°	16907.8	10857.3	2645.7	1373.1	1161.0	1087.3	1047.1	998.0	937.7	895.3
22127.7	52.5°	17919.2	11350.7	2493.9	1252.5	1080.6	1038.2	1002.5	951.1	902.0	857.3
23422.6	55°	18798.8	11750.4	2225.9	1138.6	1009.2	995.8	960.0	895.3	828.3	790.4
24706.4	57.5°	19642.8	12054.0	1891.0	1044.9	944.4	948.9	895.3	837.2	774.7	734.5
26436.7	60°	20765.8	12460.4	1551.7	957.8	875.2	888.6	830.5	788.1	710.0	658.6
29403.9	62.5°	22560.8	13092.2	1232.4	850.6	794.8	799.3	774.7	723.4	629.6	569.3
31603.0	65°	23985.3	12860.0	971.2	734.5	703.3	710.0	710.0	654.2	553.7	484.5
31721.4	67.5°	23824.5	11011.4	774.7	620.7	616.2	620.7	636.3	589.4	491.2	435.4
29305.6	70°	21946.9	8758.7	620.7	515.7	535.8	524.7	569.3	538.1	442.1	386.2
22719.4	72.5°	17908.0	6309.4	473.3	426.4	410.8	428.7	513.5	484.5	368.4	305.9
12033.9	75°	10464.4	3366.8	352.8	337.1	296.9	357.2	455.5	413.0	281.3	225.5
3688.3	77.5°	3407.0	1174.4	259.0	247.8	221.0	288.0	388.5	348.3	230.0	178.6
1080.6	80°	913.2	355.0	176.4	163.0	142.9	214.3	308.1	276.8	165.2	116.1
464.4	82.5°	366.2	149.6	102.7	91.5	78.1	147.4	243.4	223.3	122.8	73.7
145.1	85°	118.3	49.1	38.0	29.0	35.7	91.5	145.1	151.8	87.1	38.0
22.3	87.5°	15.6	6.7	6.7	8.9	6.7	15.6	44.7	42.4	24.6	4.5
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°
5137.3
4530.0
3666.0
2835.5
2315.2
2125.5
2060.7
1987.1
1884.3
1752.6
1609.7
1471.3
1361.9
1288.2
1232.4
1236.9
1196.7
1105.2
1015.9
939.9
888.6
852.9
785.9
730.1
651.9
564.9
477.8
426.4
379.5
299.2
218.8
171.9
113.9
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29.0
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