

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: P853226

Luminaire Tested: **GLAN-SB9C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44347 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

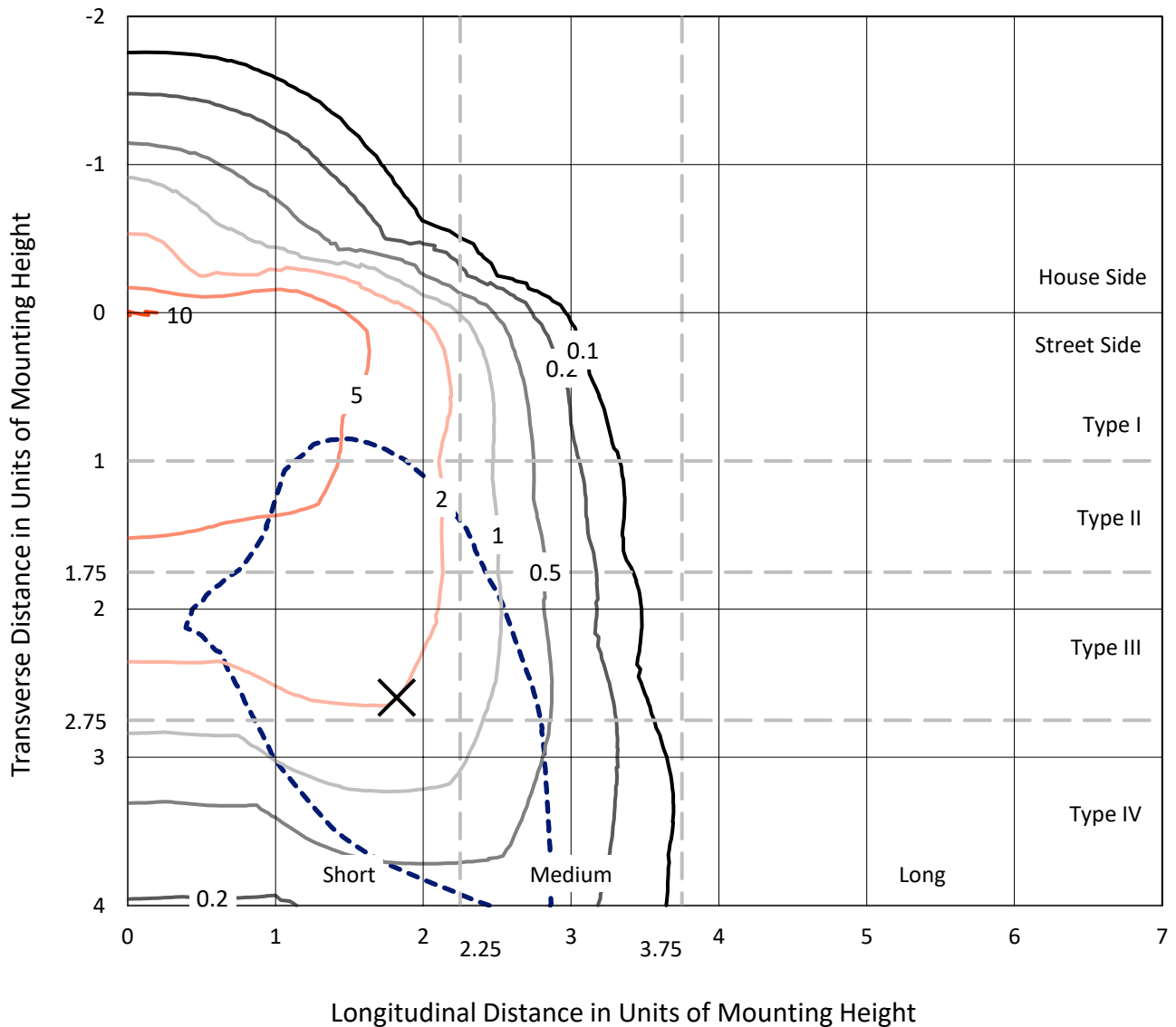
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

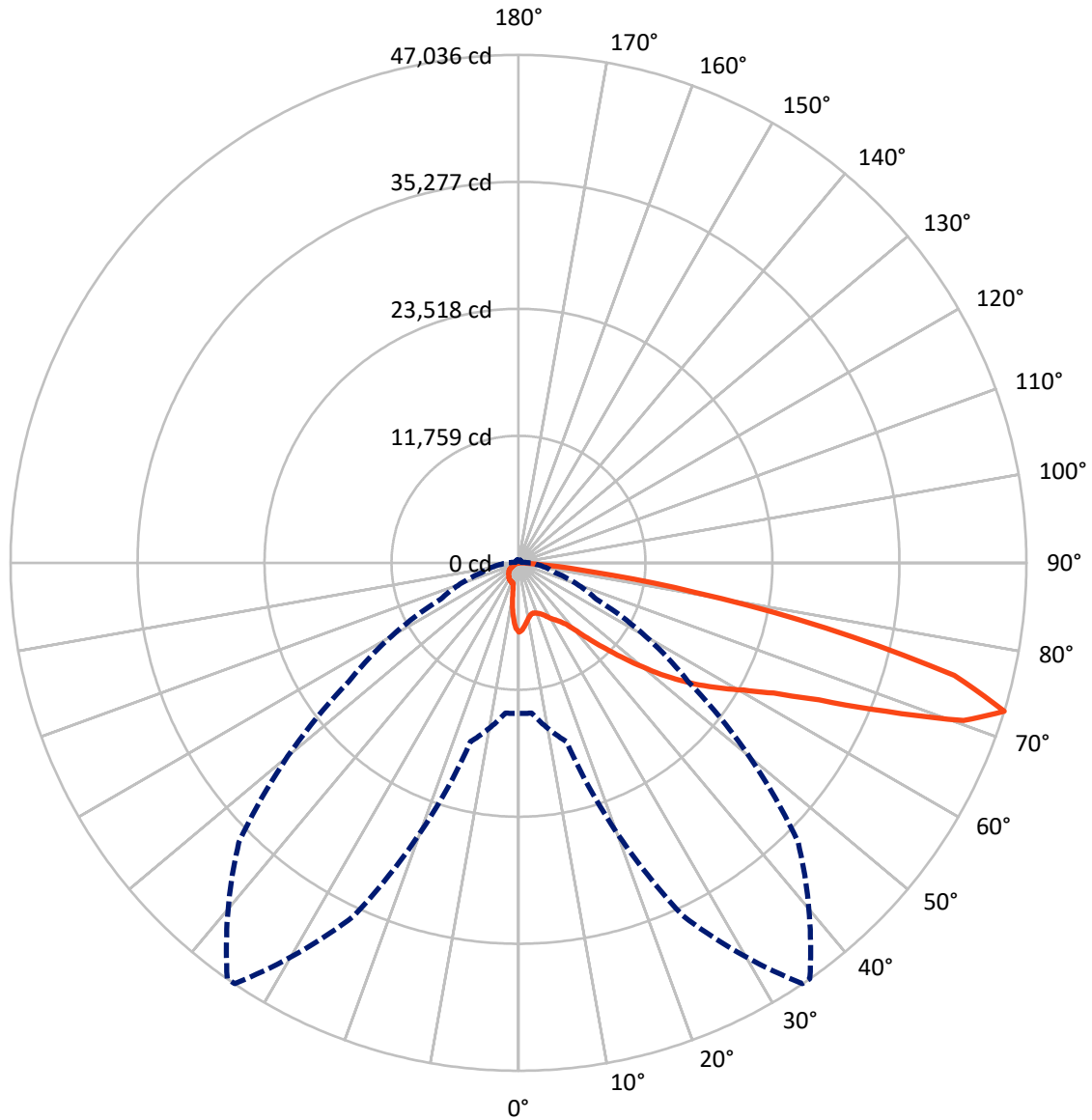
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4991.0	0.0	4991.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	39356.0	0.0	39356.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	44347.0	0.0	44347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.2	1.2
10°-20°	1235.6	2.8
20°-30°	2007.1	4.5
30°-40°	3348.9	7.6
40°-50°	6336.2	14.3
50°-60°	10068.2	22.7
60°-70°	12455.0	28.1
70°-80°	7742.1	17.5
80°-90°	625.7	1.4
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°	44347.0	100.0
0°-180°	44347.0	100.0

Coefficient of Utilization

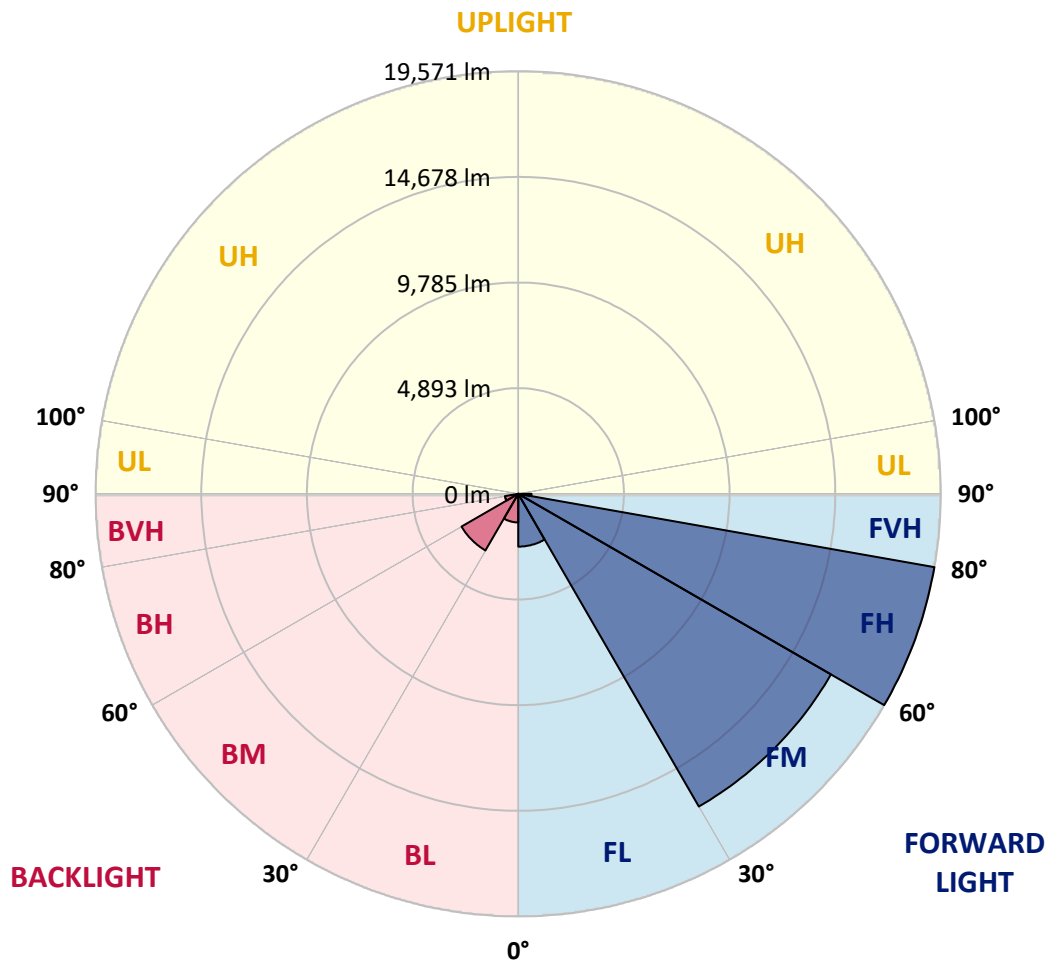


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2444.6	5.5			
FM (30°-60°)	16723.3	37.7			
FH (60°-80°)	19570.9	44.1			G5
FVH (80°-90°)	617.2	1.4			G4/750
BL (0°-30°)	1326.2	3.0	B3/2500		
BM (30°-60°)	3030.0	6.8	B3/5000		
BH (60°-80°)	626.3	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4
2.5°	6141.4	6193.4	6203.2	6219.4	6219.4	6238.9	6271.4	6316.9	6391.6	6430.6
5°	5660.5	5699.5	5748.2	5787.2	5862.0	5871.7	5998.4	6121.9	6294.1	6424.1
7.5°	5176.3	5221.8	5286.8	5381.1	5478.5	5507.8	5699.5	5907.5	6180.4	6424.1
10°	4835.1	4838.4	4896.9	4991.1	5147.1	5182.8	5416.8	5712.5	6053.7	6385.1
12.5°	4643.4	4666.2	4692.2	4763.7	4913.1	4935.9	5186.1	5533.8	5927.0	6362.4
15°	4643.4	4659.7	4675.9	4711.7	4831.9	4851.4	5072.4	5420.0	5862.0	6372.1
17.5°	4692.2	4718.2	4705.2	4747.4	4874.1	4887.1	5082.1	5387.6	5858.7	6433.9
20°	4809.2	4828.6	4802.7	4828.6	4955.4	4981.4	5182.8	5449.3	5914.0	6541.1
22.5°	4994.4	5004.1	4942.4	4961.9	5091.9	5124.3	5358.3	5624.8	6047.2	6713.3
25°	5228.3	5247.8	5153.6	5176.3	5299.8	5338.8	5608.5	5888.0	6258.4	6950.5
27.5°	5498.0	5507.8	5426.5	5423.3	5582.5	5637.8	5910.7	6212.9	6541.1	7249.5
30°	5806.7	5836.0	5758.0	5745.0	5946.5	5991.9	6261.6	6612.6	6957.0	7697.9
32.5°	6050.4	6073.2	6027.7	6060.2	6264.9	6300.6	6687.3	7178.0	7610.2	8334.8
35°	6401.4	6414.4	6310.4	6368.9	6602.8	6693.8	7269.0	7970.8	8432.3	9134.1
37.5°	7671.9	7671.9	7230.0	6940.8	7165.0	7246.2	8065.1	8968.4	9446.1	10206.5
40°	9429.8	9400.6	8754.0	8162.6	8133.3	8292.5	9199.1	10225.9	10755.6	11493.2
42.5°	11304.8	11259.3	10378.7	9793.8	9696.3	9751.5	10508.6	11775.9	12315.3	13062.7
45°	12968.5	12955.5	12149.6	11363.2	11187.8	11363.2	12143.1	13589.1	13975.8	14762.1
47.5°	14362.5	14362.5	13774.3	13260.9	13169.9	13273.9	14356.0	15600.5	15564.8	16572.1
50°	15967.7	15954.7	15395.8	15174.8	15269.1	15415.3	16903.5	17719.1	17209.0	18349.5
52.5°	17092.0	17170.0	16978.3	16942.5	17423.4	17676.9	19490.1	19792.3	18681.0	20036.0
55°	17982.3	18073.3	18294.3	18544.5	19470.6	19802.0	21995.4	21758.2	19912.5	21498.2
57.5°	19243.1	19113.1	19454.3	19948.2	21446.2	21845.9	24422.7	23613.6	20903.6	22684.3
60°	20773.6	20793.1	20851.6	21475.5	23418.6	23932.0	26814.3	25368.3	21540.5	23412.1
62.5°	22612.8	22642.0	22762.2	23720.8	26066.9	26551.1	29361.8	26804.5	21832.9	23207.4
65°	22486.0	22609.5	23951.5	27230.2	30092.9	30570.6	32335.1	27811.8	21391.0	21335.7
67.5°	20484.4	20685.9	22931.2	31422.0	36162.9	36695.8	35928.9	28010.1	19483.6	16591.6
70°	17858.9	17930.3	20630.6	35191.3	43191.4	43730.8	39145.9	25829.7	14784.9	9254.4
72.5°	13946.5	13962.8	17131.0	36065.4	47006.2	47035.5	36621.0	19174.9	7951.3	3554.9
75°	9962.7	9865.3	11473.7	29248.1	41355.5	41686.9	27454.4	8994.4	3038.2	1680.0
77.5°	5342.1	5449.3	6492.4	17345.4	28569.0	29134.4	14979.9	2593.0	1546.7	1143.8
80°	1650.7	1741.7	2661.3	7941.6	16182.1	16523.3	5553.3	1153.5	1078.8	815.6
82.5°	519.9	539.4	1241.3	3337.2	6716.6	6872.5	1608.5	653.1	737.6	539.4
85°	149.5	152.7	552.4	1244.5	1660.5	1693.0	451.7	253.5	422.4	334.7
87.5°	16.2	52.0	208.0	208.0	146.2	143.0	48.7	55.2	120.2	42.2
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°
6427.4	0°	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4	6427.4
6456.6	2.5°	6440.4	6443.6	6401.4	6329.9	6251.9	6186.9	6105.7	6040.7	5995.2	5982.2
6515.1	5°	6485.9	6463.1	6342.9	6125.2	5865.2	5641.0	5390.8	5192.6	5062.6	5007.4
6576.8	7.5°	6554.1	6489.1	6225.9	5797.0	5299.8	4857.9	4409.5	4061.8	3840.8	3730.3
6635.3	10°	6612.6	6482.6	6030.9	5322.6	4562.2	3892.8	3288.4	2869.2	2635.3	2524.8
6703.6	12.5°	6667.8	6479.4	5777.5	4760.4	3730.3	2911.5	2349.3	2141.4	2076.4	2053.6
6814.0	15°	6771.8	6489.1	5459.0	4117.0	2901.7	2199.9	1995.1	1991.9	2004.9	1998.4
6983.0	17.5°	6914.8	6498.9	5098.4	3434.6	2238.9	1939.9	1930.2	1959.4	1978.9	1969.2
7194.2	20°	7100.0	6537.8	4714.9	2758.8	1923.7	1874.9	1897.7	1923.7	1939.9	1923.7
7476.9	22.5°	7360.0	6606.1	4295.7	2216.1	1822.9	1835.9	1855.4	1884.7	1900.9	1878.2
7837.6	25°	7678.4	6713.3	3883.1	1926.9	1774.2	1790.4	1819.7	1852.2	1871.7	1848.9
8292.5	27.5°	8091.1	6885.5	3502.9	1861.9	1725.4	1735.2	1777.4	1826.2	1852.2	1822.9
8939.2	30°	8689.0	7168.2	3174.7	1891.2	1696.2	1673.5	1731.9	1800.2	1829.4	1803.4
9819.8	32.5°	9481.8	7567.9	2973.2	1936.7	1683.2	1602.0	1657.2	1744.9	1793.7	1777.4
10970.1	35°	10521.6	8175.6	2895.2	1988.6	1673.5	1527.2	1566.2	1660.5	1744.9	1761.2
12419.3	37.5°	11782.4	9020.4	2918.0	2011.4	1644.2	1465.5	1485.0	1566.2	1676.7	1728.7
14050.5	40°	13215.4	10005.0	3048.0	1988.6	1611.7	1413.5	1416.8	1478.5	1576.0	1654.0
15805.2	42.5°	14693.9	11155.3	3288.4	1904.2	1582.5	1368.0	1358.3	1400.5	1465.5	1520.7
17556.7	45°	16100.9	12338.1	3525.6	1787.2	1546.7	1322.5	1299.8	1316.0	1329.0	1351.8
19262.6	47.5°	17329.2	13169.9	3457.4	1680.0	1498.0	1270.5	1231.5	1225.0	1186.0	1182.8
20786.6	50°	18177.3	13351.9	3070.7	1572.7	1426.5	1212.0	1150.3	1111.3	1043.1	1010.6
21927.1	52.5°	18447.0	12633.8	2508.6	1465.5	1309.5	1134.1	1046.3	984.6	900.1	870.8
22583.5	55°	18089.6	11226.8	2004.9	1335.5	1147.0	1030.1	932.6	851.3	783.1	747.4
22655.0	57.5°	17215.5	9436.3	1585.7	1182.8	974.8	913.1	815.6	734.4	675.9	640.1
21862.1	60°	15766.2	7493.2	1254.3	1000.8	831.9	786.4	685.6	633.6	581.6	539.4
19815.0	62.5°	13566.4	5348.6	984.6	792.9	695.4	643.4	584.9	545.9	484.2	425.7
16133.4	65°	10586.6	3272.2	760.4	581.6	558.9	532.9	497.2	461.4	386.7	328.2
10524.9	67.5°	6677.6	1550.0	542.7	438.7	441.9	428.9	412.7	383.4	328.2	276.2
4714.9	70°	2940.7	750.6	357.4	334.7	328.2	328.2	341.2	331.4	279.5	230.7
1637.7	72.5°	1000.8	402.9	266.5	253.5	237.2	234.0	285.9	276.2	224.2	178.7
815.6	75°	523.2	269.7	195.0	182.0	143.0	172.2	227.5	214.5	159.2	117.0
539.4	77.5°	341.2	191.7	133.2	117.0	81.2	113.7	169.0	149.5	94.2	58.5
354.2	80°	214.5	126.7	78.0	55.2	39.0	61.7	91.0	65.0	35.7	13.0
208.0	82.5°	113.7	65.0	29.2	19.5	16.2	19.5	22.7	16.2	6.5	0.0
107.2	85°	45.5	22.7	9.7	6.5	3.2	0.0	6.5	3.2	0.0	0.0
19.5	87.5°	16.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
6427.4
6004.9
5026.9
3746.6
2528.1
2047.1
1995.1
1965.9
1920.4
1874.9
1845.7
1822.9
1800.2
1777.4
1761.2
1741.7
1680.0
1543.5
1364.8
1179.5
1013.8
867.6
747.4
633.6
529.7
415.9
318.4
269.7
221.0
169.0
107.2
52.0
9.7
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