

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: P849675

Luminaire Tested: **GLAN-SB6D-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849675
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-SB6D-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA 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: 35927 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

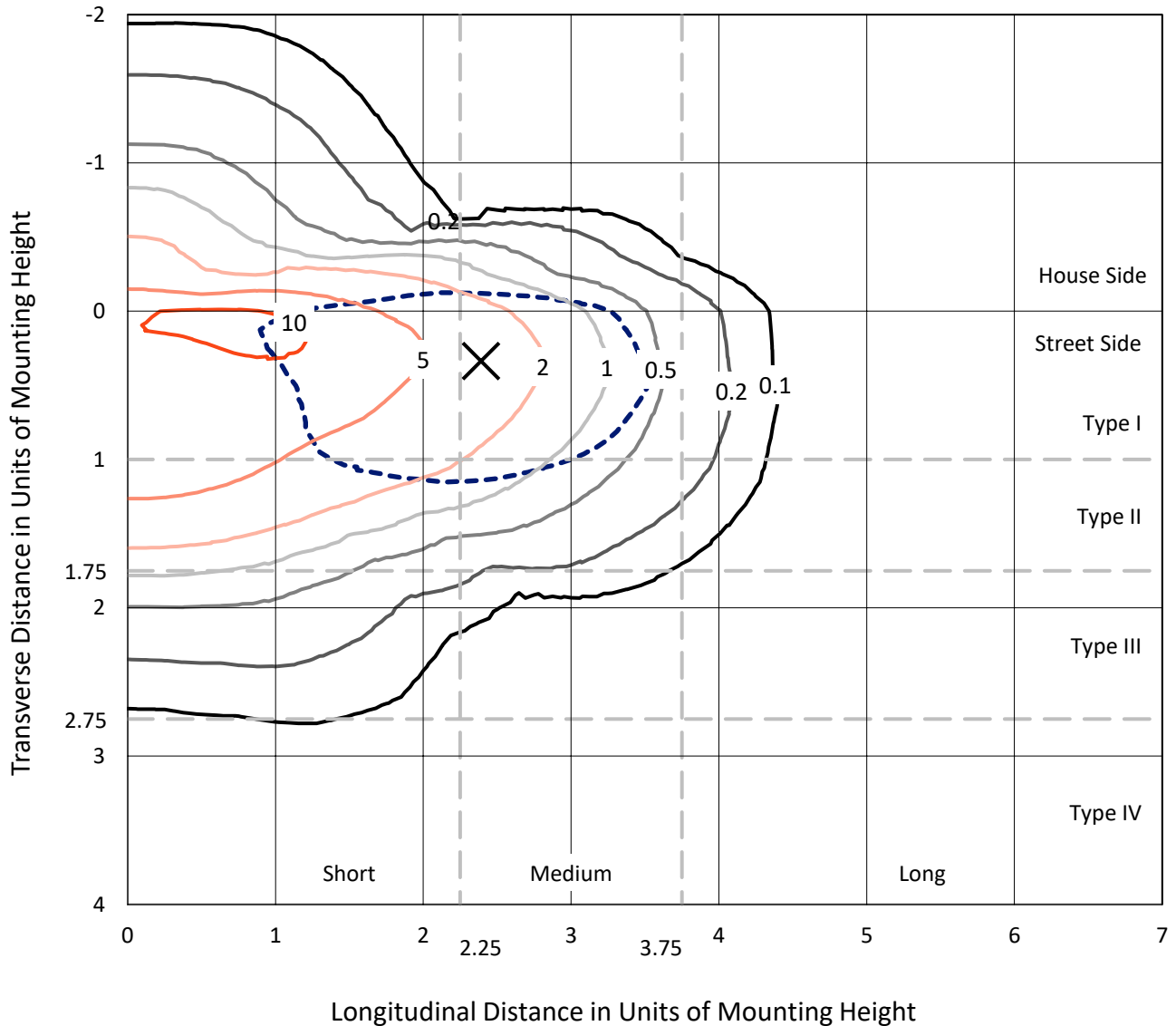
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

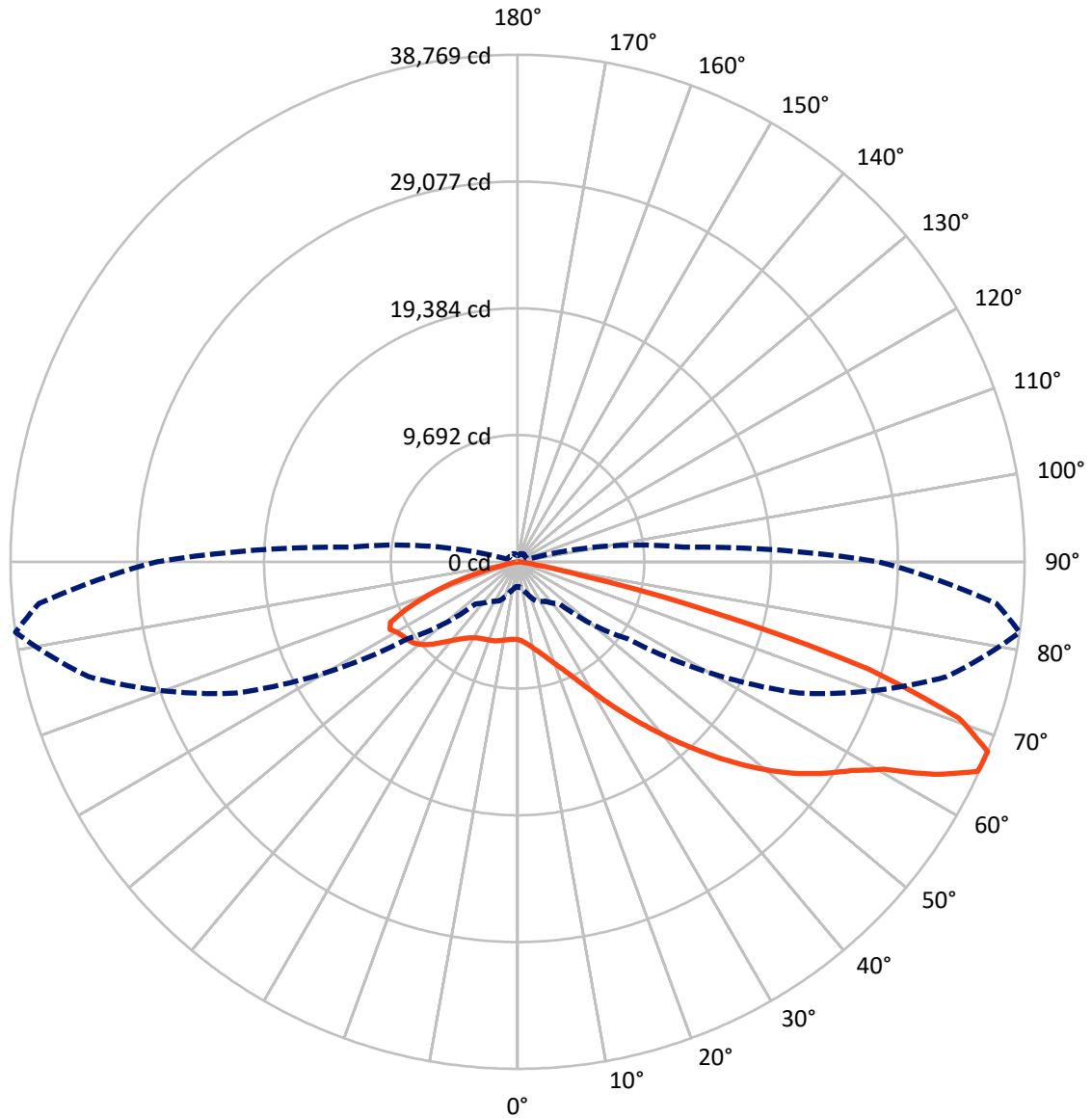
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	6507.9	0.0	6507.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	29419.1	0.0	29419.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	35927.0	0.0	35927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.3	1.5
10°-20°	1378.0	3.8
20°-30°	2207.0	6.1
30°-40°	3902.7	10.9
40°-50°	6838.0	19.0
50°-60°	9119.9	25.4
60°-70°	8490.2	23.6
70°-80°	3258.5	9.1
80°-90°	202.4	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°	35927.0	100.0
0°-180°	35927.0	100.0

Coefficient of Utilization

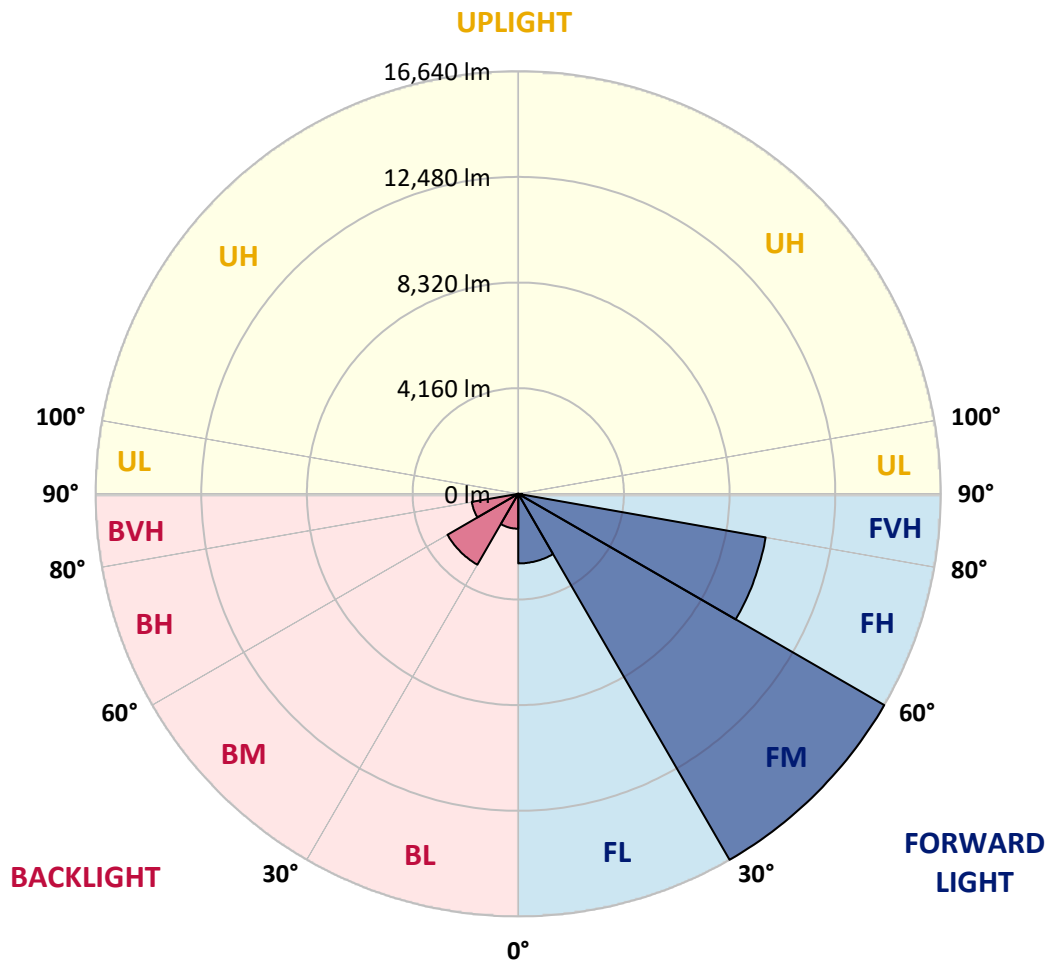


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2740.8	7.6			
FM (30°-60°)	16639.9	46.3			
FH (60°-80°)	9891.2	27.5			G4/12000
FVH (80°-90°)	147.1	0.4			G2/225
BL (0°-30°)	1374.4	3.8	B3/2500		
BM (30°-60°)	3220.7	9.0	B3/5000		
BH (60°-80°)	1857.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	55.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9
2.5°	6290.7	6327.0	6306.3	6295.9	6277.8	6251.9	6231.2	6166.6	6099.3	6055.4
5°	6417.5	6453.7	6451.1	6461.5	6474.4	6482.2	6477.0	6404.6	6308.8	6233.8
7.5°	6308.8	6350.2	6383.9	6435.6	6526.1	6621.8	6668.4	6652.9	6554.6	6451.1
10°	6001.0	6045.0	6125.2	6246.8	6438.2	6645.1	6818.4	6898.6	6836.5	6722.7
12.5°	5437.1	5481.1	5638.9	5902.7	6223.5	6583.0	6914.1	7128.8	7144.3	7030.5
15°	4803.4	4847.4	5015.5	5346.6	5835.5	6412.3	6965.9	7372.0	7509.1	7410.8
17.5°	4410.2	4449.0	4575.8	4842.2	5351.8	6070.9	6947.7	7630.6	7943.6	7866.0
20°	4291.3	4324.9	4384.4	4570.6	4994.8	5716.5	6828.8	7873.8	8411.8	8367.8
22.5°	4418.0	4449.0	4467.1	4549.9	4816.3	5483.7	6678.7	8122.1	8955.0	8960.2
25°	4710.3	4741.3	4720.6	4772.4	4888.8	5411.3	6621.8	8414.4	9637.9	9694.8
27.5°	5191.4	5194.0	5144.9	5142.3	5160.4	5519.9	6681.3	8727.4	10499.2	10605.3
30°	6156.2	6117.4	5928.6	5724.3	5631.1	5845.8	6846.9	9097.3	11515.8	11704.6
32.5°	7643.6	7586.7	7240.0	6751.2	6259.7	6370.9	7144.3	9518.9	12622.9	12964.3
35°	9257.6	9242.1	8880.0	8153.1	7294.4	7118.5	7628.0	10072.4	13830.8	14374.0
37.5°	10757.9	10750.1	10543.2	9687.0	8642.0	8160.9	8404.0	10796.7	15124.2	15910.5
40°	12128.8	12152.1	11945.2	11179.5	10126.7	9498.2	9459.4	11691.7	16562.3	17584.1
42.5°	13313.5	13339.4	13129.8	12563.4	11593.4	10977.8	10755.3	12788.4	17966.9	19381.8
45°	14118.0	14278.3	14247.3	13794.6	13098.8	12459.9	12312.5	14164.5	19568.0	21288.2
47.5°	14345.6	14493.0	14725.8	14787.9	14363.7	13735.1	13911.0	15822.6	21187.3	23197.1
50°	13784.3	13921.4	14405.1	15049.1	15344.0	15150.0	15465.6	17599.6	22845.3	25100.9
52.5°	12677.2	12816.9	13427.3	14446.5	15649.2	16259.7	17025.3	19350.7	24451.6	26903.8
55°	11076.0	11223.5	12007.2	13160.9	15067.3	16717.5	18326.4	21099.3	25923.4	28525.6
57.5°	8898.1	9006.7	9821.5	11435.6	13603.2	16262.3	19286.1	23008.3	27309.9	30119.0
60°	5799.3	5895.0	6841.7	8642.0	11176.9	14741.3	19477.5	25137.1	29151.6	32190.9
62.5°	3856.7	3921.4	4482.7	5804.4	7871.2	11821.0	18357.5	26836.5	31852.0	35796.7
65°	2646.1	2710.8	3272.1	4193.0	5085.4	7819.5	15137.1	26611.5	34299.0	38660.1
67.5°	1888.3	1942.6	2418.5	3287.6	3680.8	4542.2	10261.3	23735.1	33947.2	38768.8
70°	1352.8	1383.9	1777.0	2560.8	2925.5	2728.9	5706.2	18153.1	29723.2	35799.3
72.5°	946.7	957.1	1233.8	1950.3	2356.4	1991.7	2716.0	12102.9	22480.6	28098.8
75°	641.5	654.4	830.3	1430.4	1890.8	1521.0	1438.2	6489.9	13197.1	15553.5
77.5°	393.2	398.3	535.4	977.8	1414.9	1158.8	926.0	2749.6	5106.1	5012.9
80°	222.5	222.5	341.4	607.9	964.8	747.5	649.2	1169.2	1616.7	1420.1
82.5°	124.2	126.7	248.3	377.7	638.9	442.3	357.0	540.6	698.4	618.2
85°	51.7	56.9	152.6	178.5	305.2	219.9	144.9	227.6	258.7	230.2
87.5°	5.2	7.8	46.6	33.6	36.2	44.0	20.7	44.0	36.2	36.2
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°
5951.9	0°	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9	5951.9
6039.8	2.5°	5990.7	5951.9	5853.6	5739.8	5589.8	5517.3	5419.0	5351.8	5294.9	5300.1
6189.9	5°	6107.1	6008.8	5788.9	5514.7	5173.3	4930.2	4671.5	4493.0	4348.2	4317.1
6396.8	7.5°	6267.5	6112.3	5726.8	5232.8	4656.0	4218.8	3828.2	3577.3	3398.9	3342.0
6647.7	10°	6474.4	6249.4	5646.7	4878.4	4048.1	3492.0	3072.9	2876.4	2754.8	2713.4
6942.6	12.5°	6715.0	6407.1	5540.6	4446.5	3422.1	2886.7	2620.3	2522.0	2483.2	2470.3
7304.7	15°	7017.6	6603.7	5380.2	3934.3	2891.9	2516.8	2403.0	2390.1	2395.2	2390.1
7739.3	17.5°	7377.1	6818.4	5119.0	3406.6	2534.9	2328.0	2286.6	2296.9	2309.9	2307.3
8225.6	20°	7770.3	7030.5	4785.3	2938.4	2291.8	2193.5	2170.2	2180.5	2190.9	2185.7
8786.9	22.5°	8217.8	7258.1	4415.4	2573.7	2128.8	2069.3	2043.5	2046.0	2046.0	2035.7
9498.2	25°	8753.2	7509.1	4027.4	2315.1	2004.7	1958.1	1927.1	1916.7	1901.2	1870.1
10362.1	27.5°	9392.1	7775.5	3654.9	2134.0	1906.4	1862.4	1826.2	1800.3	1761.5	1709.8
11399.4	30°	10111.2	8098.8	3339.4	2020.2	1828.8	1784.8	1743.4	1704.6	1647.7	1583.0
12591.8	32.5°	10957.1	8445.4	3109.2	1945.2	1758.9	1712.4	1663.2	1616.7	1554.6	1489.9
13931.7	35°	11965.9	8864.5	2974.7	1893.4	1704.6	1642.5	1588.2	1536.5	1489.9	1433.0
15388.0	37.5°	13060.0	9309.4	2933.3	1867.6	1668.4	1572.7	1510.6	1474.4	1469.2	1435.6
16963.3	40°	14257.6	9837.0	2964.3	1852.0	1629.6	1505.4	1438.2	1430.4	1443.4	1383.9
18647.2	42.5°	15525.1	10463.0	3016.0	1833.9	1575.3	1438.2	1373.5	1373.5	1363.2	1280.4
20426.8	45°	16896.0	11184.7	3067.8	1790.0	1510.6	1370.9	1321.8	1303.7	1259.7	1179.5
22216.8	47.5°	18277.3	11919.3	3106.6	1709.8	1433.0	1314.0	1270.0	1228.7	1164.0	1091.6
23973.1	50°	19588.7	12578.9	3065.2	1590.8	1345.1	1259.7	1213.1	1156.2	1086.4	1037.2
25636.3	52.5°	20760.5	13150.5	2889.3	1451.1	1251.9	1202.8	1161.4	1101.9	1045.0	993.3
27136.6	55°	21779.6	13613.6	2578.9	1319.2	1169.2	1153.6	1112.3	1037.2	959.6	915.7
28623.9	57.5°	22757.4	13965.3	2190.9	1210.6	1094.2	1099.3	1037.2	970.0	897.6	851.0
30628.6	60°	24058.5	14436.1	1797.7	1109.7	1014.0	1029.5	962.2	913.1	822.6	763.1
34066.2	62.5°	26138.1	15168.1	1427.8	985.5	920.8	926.0	897.6	838.1	729.4	659.6
36614.1	65°	27788.4	14899.1	1125.2	851.0	814.8	822.6	822.6	757.9	641.5	561.3
36751.2	67.5°	27602.2	12757.4	897.6	719.1	713.9	719.1	737.2	682.9	569.1	504.4
33952.4	70°	25426.8	10147.4	719.1	597.5	620.8	607.9	659.6	623.4	512.2	447.5
26321.8	72.5°	20747.5	7309.9	548.4	494.1	475.9	496.6	594.9	561.3	426.8	354.4
13942.1	75°	12123.6	3900.7	408.7	390.6	344.0	413.9	527.7	478.5	325.9	261.3
4273.2	77.5°	3947.2	1360.6	300.1	287.1	256.1	333.7	450.1	403.5	266.4	206.9
1251.9	80°	1057.9	411.3	204.3	188.8	165.5	248.3	357.0	320.7	191.4	134.5
538.0	82.5°	424.2	173.3	119.0	106.1	90.5	170.7	281.9	258.7	142.3	85.4
168.1	85°	137.1	56.9	44.0	33.6	41.4	106.1	168.1	175.9	100.9	44.0
25.9	87.5°	18.1	7.8	7.8	10.3	7.8	18.1	51.7	49.1	28.5	5.2
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°
5951.9
5248.3
4247.3
3285.0
2682.4
2462.5
2387.5
2302.1
2183.1
2030.5
1865.0
1704.6
1577.9
1492.5
1427.8
1433.0
1386.4
1280.4
1176.9
1089.0
1029.5
988.1
910.5
845.8
755.3
654.4
553.5
494.1
439.7
346.6
253.5
199.2
131.9
85.4
33.6
0.0
0.0

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