

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: P849465

Luminaire Tested: **GLAN-SB6C-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849465
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-SB6C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 32543 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

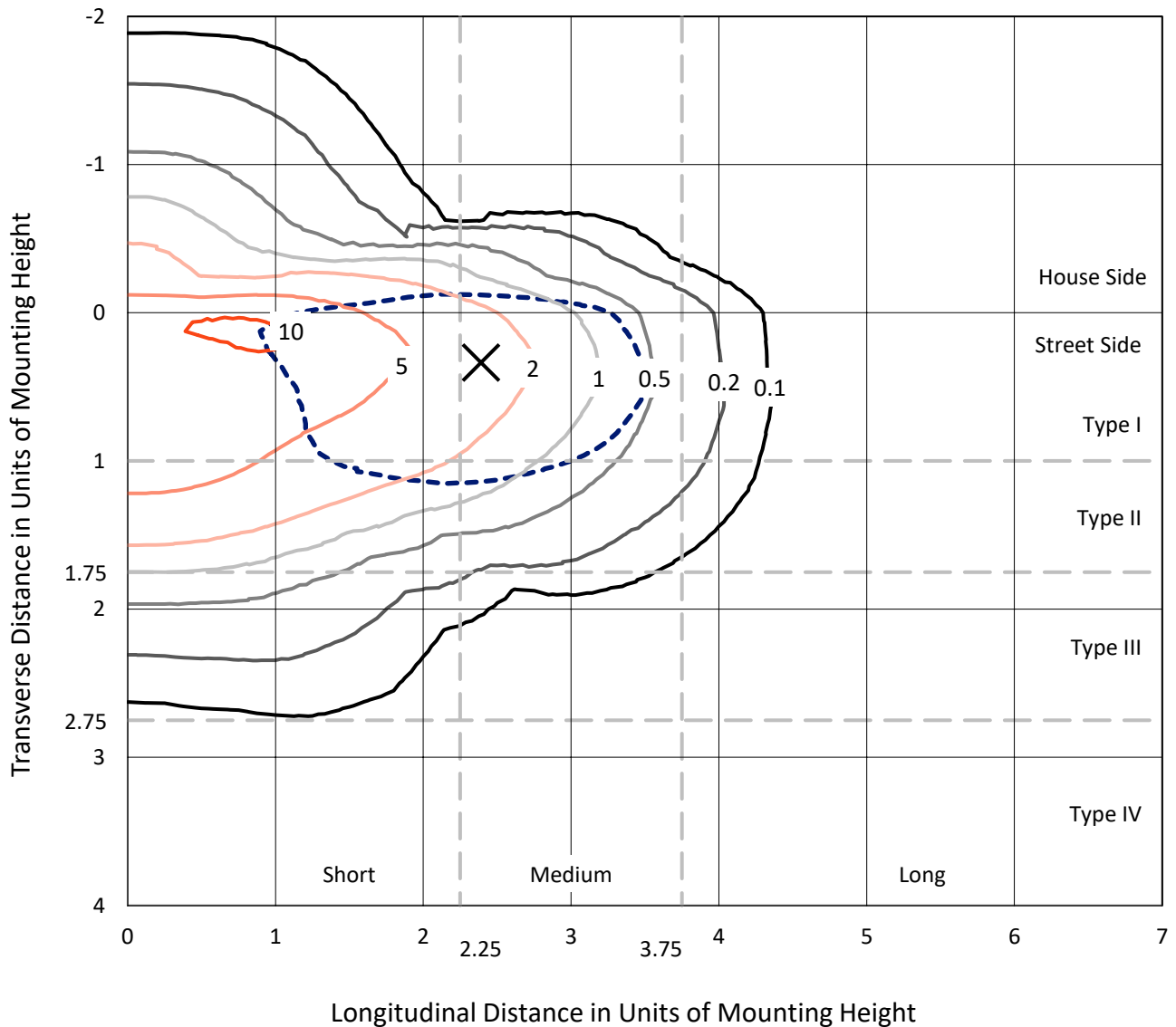
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

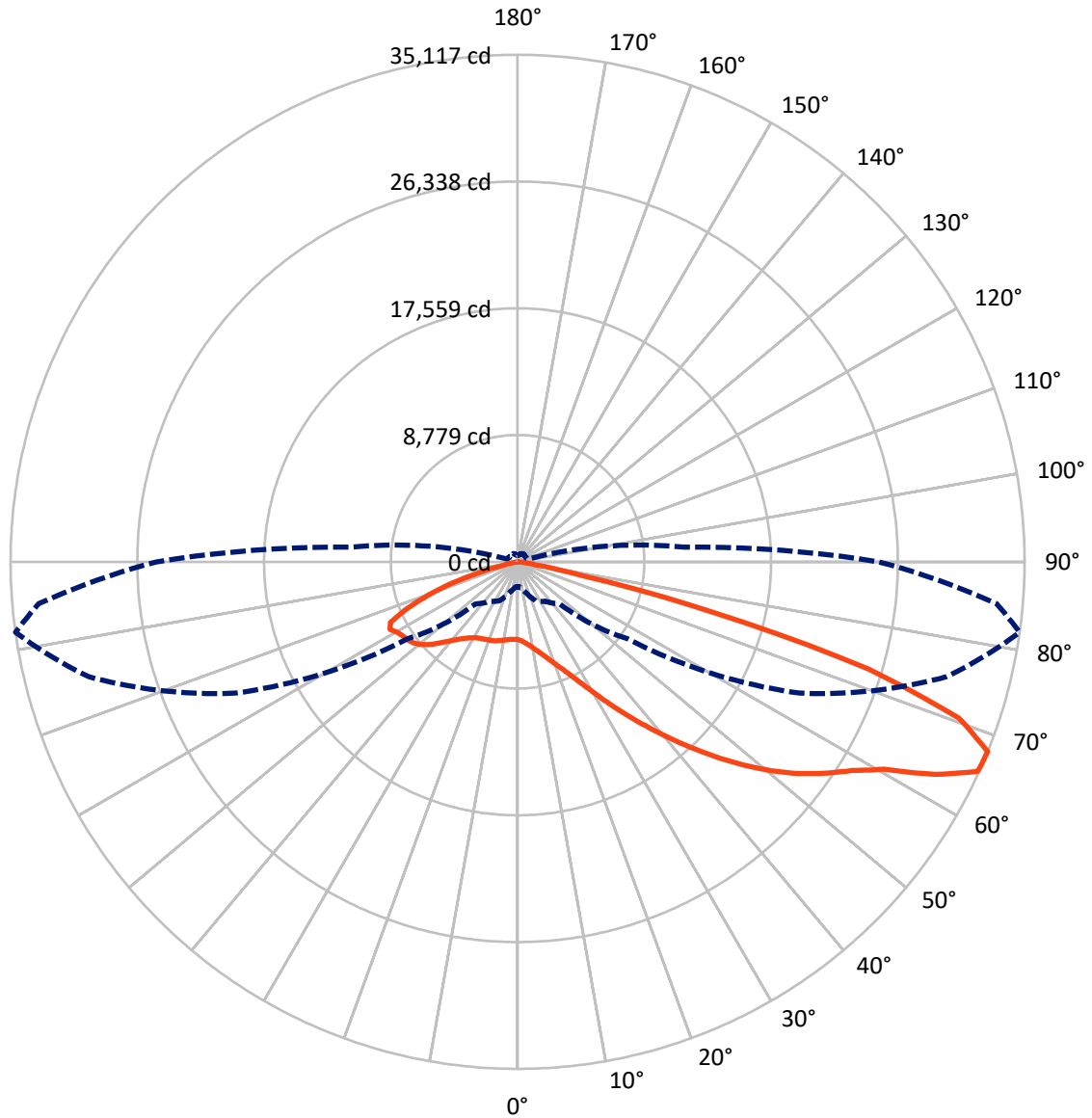
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	5894.9	0.0	5894.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26648.1	0.0	26648.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	32543.0	0.0	32543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.3	1.5
10°-20°	1248.2	3.8
20°-30°	1999.2	6.1
30°-40°	3535.1	10.9
40°-50°	6193.9	19.0
50°-60°	8260.9	25.4
60°-70°	7690.5	23.6
70°-80°	2951.6	9.1
80°-90°	183.3	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°	32543.0	100.0
0°-180°	32543.0	100.0

Coefficient of Utilization

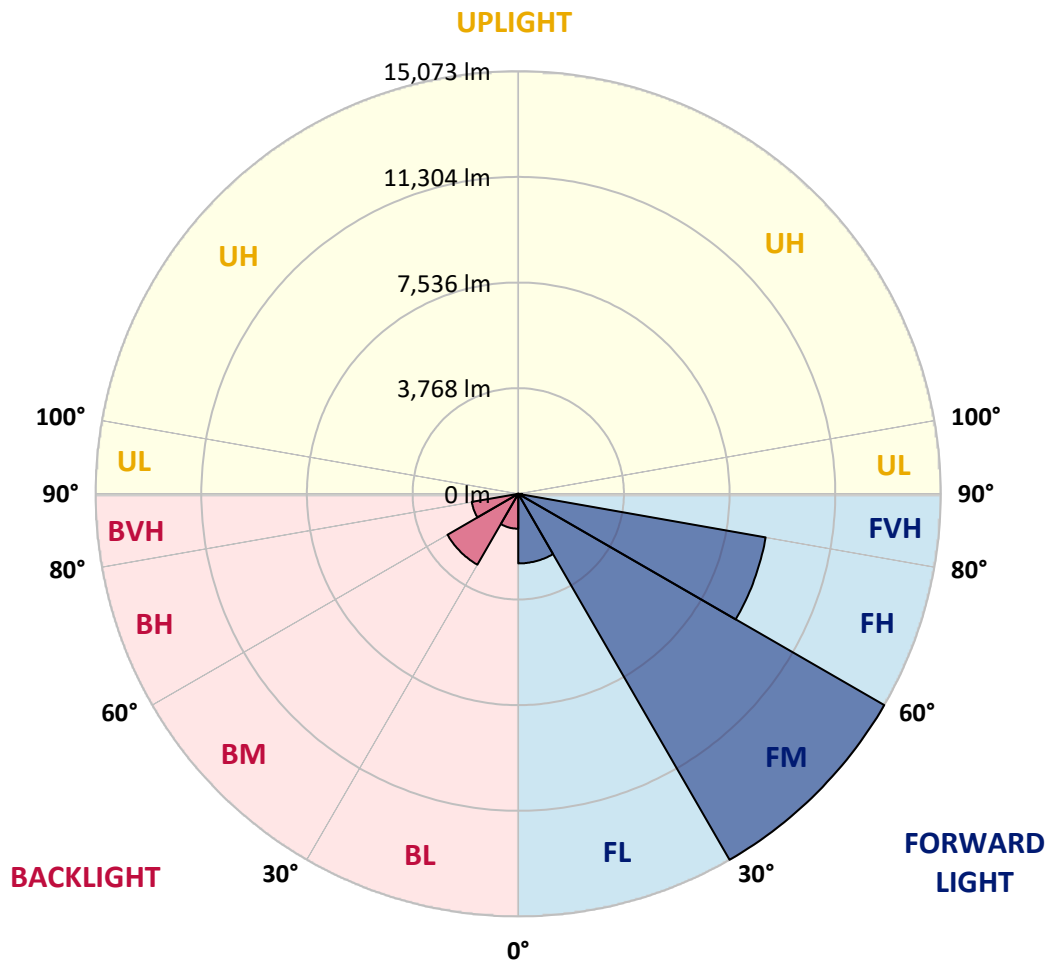


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2482.7	7.6			
FM (30°-60°)	15072.6	46.3			
FH (60°-80°)	8959.6	27.5			G4/12000
FVH (80°-90°)	133.3	0.4			G2/225
BL (0°-30°)	1245.0	3.8	B3/2500		
BM (30°-60°)	2917.3	9.0	B3/5000		
BH (60°-80°)	1682.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	50.0	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°	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3
2.5°	5698.2	5731.0	5712.3	5702.9	5686.5	5663.1	5644.3	5585.7	5524.8	5485.0
5°	5813.0	5845.8	5843.5	5852.8	5864.6	5871.6	5866.9	5801.3	5714.6	5646.7
7.5°	5714.6	5752.1	5782.6	5829.4	5911.4	5998.1	6040.3	6026.2	5937.2	5843.5
10°	5435.8	5475.6	5548.3	5658.4	5831.8	6019.2	6176.2	6248.8	6192.6	6089.5
12.5°	4925.0	4964.8	5107.8	5346.8	5637.3	5963.0	6262.9	6457.3	6471.4	6368.3
15°	4351.0	4390.8	4543.1	4843.0	5285.8	5808.3	6309.7	6677.6	6801.8	6712.7
17.5°	3994.8	4030.0	4144.8	4386.1	4847.7	5499.1	6293.3	6911.9	7195.4	7125.1
20°	3887.1	3917.5	3971.4	4140.1	4524.4	5178.1	6185.6	7132.1	7619.5	7579.6
22.5°	4001.9	4030.0	4046.4	4121.4	4362.7	4967.2	6049.7	7357.1	8111.5	8116.2
25°	4266.6	4294.7	4276.0	4322.9	4428.3	4901.6	5998.1	7621.8	8730.1	8781.6
27.5°	4702.4	4704.8	4660.3	4657.9	4674.3	5000.0	6052.0	7905.3	9510.3	9606.4
30°	5576.4	5541.2	5370.2	5185.1	5100.7	5295.2	6202.0	8240.4	10431.1	10602.1
32.5°	6923.6	6872.1	6558.1	6115.3	5670.1	5770.8	6471.4	8622.3	11433.9	11743.2
35°	8385.6	8371.6	8043.6	7385.2	6607.3	6448.0	6909.5	9123.7	12528.1	13020.1
37.5°	9744.6	9737.6	9550.1	8774.6	7828.0	7392.2	7612.5	9779.7	13699.6	14411.9
40°	10986.4	11007.5	10820.0	10126.5	9172.9	8603.5	8568.4	10590.4	15002.3	15927.8
42.5°	12059.5	12082.9	11893.1	11380.0	10501.4	9943.7	9742.2	11583.9	16274.6	17556.2
45°	12788.2	12933.4	12905.3	12495.3	11865.0	11286.3	11152.7	12830.3	17724.9	19283.0
47.5°	12994.4	13127.9	13338.8	13395.0	13010.8	12441.4	12600.7	14332.2	19191.6	21012.1
50°	12485.9	12610.1	13048.2	13631.7	13898.8	13723.0	14008.9	15941.9	20693.5	22736.6
52.5°	11483.1	11609.6	12162.6	13085.7	14175.2	14728.2	15421.7	17528.1	22148.5	24369.7
55°	10032.8	10166.3	10876.3	11921.3	13648.1	15142.9	16600.2	19112.0	23481.7	25838.8
57.5°	8060.0	8158.4	8896.4	10358.5	12321.9	14730.5	17469.5	20841.1	24737.5	27282.0
60°	5253.0	5339.7	6197.3	7828.0	10124.2	13352.8	17642.9	22769.4	26405.8	29158.8
62.5°	3493.4	3552.0	4060.4	5257.7	7129.8	10707.6	16628.4	24308.8	28851.9	32425.0
65°	2396.9	2455.5	2963.9	3798.0	4606.4	7082.9	13711.3	24104.9	31068.4	35018.7
67.5°	1710.4	1759.6	2190.7	2978.0	3334.1	4114.3	9294.7	21499.5	30749.7	35117.1
70°	1225.4	1253.5	1609.7	2319.6	2649.9	2471.9	5168.7	16443.3	26923.6	32427.3
72.5°	857.5	866.9	1117.6	1766.6	2134.5	1804.1	2460.2	10963.0	20363.1	25452.2
75°	581.1	592.8	752.1	1295.7	1712.7	1377.7	1302.7	5878.6	11954.1	14088.5
77.5°	356.1	360.8	485.0	885.7	1281.6	1049.7	838.8	2490.6	4625.1	4540.8
80°	201.5	201.5	309.3	550.6	873.9	677.1	588.1	1059.0	1464.4	1286.3
82.5°	112.5	114.8	224.9	342.1	578.7	400.7	323.3	489.7	632.6	560.0
85°	46.9	51.5	138.2	161.7	276.5	199.2	131.2	206.2	234.3	208.5
87.5°	4.7	7.0	42.2	30.5	32.8	39.8	18.7	39.8	32.8	32.8
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°
5391.3	0°	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3	5391.3
5470.9	2.5°	5426.4	5391.3	5302.2	5199.1	5063.3	4997.6	4908.6	4847.7	4796.1	4800.8
5606.8	5°	5531.9	5442.8	5243.7	4995.3	4686.0	4465.8	4231.5	4069.8	3938.6	3910.5
5794.3	7.5°	5677.1	5536.5	5187.4	4739.9	4217.4	3821.5	3467.7	3240.4	3078.7	3027.2
6021.5	10°	5864.6	5660.7	5114.8	4418.9	3666.8	3163.1	2783.5	2605.4	2495.3	2457.8
6288.6	12.5°	6082.5	5803.6	5018.7	4027.6	3099.8	2614.8	2373.5	2284.4	2249.3	2237.6
6616.7	15°	6356.6	5981.7	4873.5	3563.7	2619.5	2279.8	2176.7	2164.9	2169.6	2164.9
7010.3	17.5°	6682.3	6176.2	4636.8	3085.7	2296.2	2108.7	2071.2	2080.6	2092.3	2090.0
7450.8	20°	7038.4	6368.3	4334.6	2661.7	2075.9	1986.9	1965.8	1975.2	1984.5	1979.8
7959.2	22.5°	7443.8	6574.5	3999.5	2331.3	1928.3	1874.4	1851.0	1853.3	1853.3	1844.0
8603.5	25°	7928.8	6801.8	3648.1	2097.0	1815.8	1773.7	1745.5	1736.2	1722.1	1694.0
9386.1	27.5°	8507.5	7043.1	3310.7	1933.0	1726.8	1687.0	1654.2	1630.7	1595.6	1548.7
10325.7	30°	9158.8	7336.0	3024.8	1829.9	1656.5	1616.7	1579.2	1544.0	1492.5	1433.9
11405.8	32.5°	9925.0	7649.9	2816.3	1761.9	1593.2	1551.1	1506.6	1464.4	1408.2	1349.6
12619.5	35°	10838.8	8029.5	2694.5	1715.1	1544.0	1487.8	1438.6	1391.7	1349.6	1298.0
13938.6	37.5°	11829.9	8432.5	2657.0	1691.7	1511.2	1424.6	1368.3	1335.5	1330.8	1300.4
15365.5	40°	12914.7	8910.5	2685.1	1677.6	1476.1	1363.6	1302.7	1295.7	1307.4	1253.5
16890.8	42.5°	14062.8	9477.5	2732.0	1661.2	1426.9	1302.7	1244.1	1244.1	1234.8	1159.8
18502.8	45°	15304.6	10131.2	2778.8	1621.4	1368.3	1241.8	1197.3	1180.9	1141.0	1068.4
20124.1	47.5°	16555.7	10796.6	2814.0	1548.7	1298.0	1190.3	1150.4	1112.9	1054.4	988.8
21715.0	50°	17743.6	11394.1	2776.5	1441.0	1218.4	1141.0	1098.9	1047.3	984.1	939.5
23221.6	52.5°	18805.0	11911.9	2617.1	1314.4	1134.0	1089.5	1052.0	998.1	946.6	899.7
24580.6	55°	19728.2	12331.3	2336.0	1194.9	1059.0	1045.0	1007.5	939.5	869.3	829.4
25927.8	57.5°	20613.8	12649.9	1984.5	1096.5	991.1	995.8	939.5	878.6	813.0	770.9
27743.6	60°	21792.4	13076.4	1628.4	1005.2	918.5	932.5	871.6	827.1	745.1	691.2
30857.5	62.5°	23676.2	13739.4	1293.3	892.7	834.1	838.8	813.0	759.1	660.7	597.5
33165.4	65°	25171.0	13495.8	1019.2	770.9	738.0	745.1	745.1	686.5	581.1	508.4
33289.5	67.5°	25002.3	11555.7	813.0	651.4	646.7	651.4	667.8	618.6	515.5	456.9
30754.4	70°	23031.8	9191.6	651.4	541.2	562.3	550.6	597.5	564.7	463.9	405.3
23842.5	72.5°	18793.3	6621.4	496.7	447.5	431.1	449.9	538.9	508.4	386.6	321.0
12628.8	75°	10981.7	3533.3	370.2	353.8	311.6	374.9	478.0	433.5	295.2	236.6
3870.7	77.5°	3575.4	1232.4	271.8	260.1	232.0	302.2	407.7	365.5	241.3	187.4
1134.0	80°	958.3	372.5	185.1	171.0	150.0	224.9	323.3	290.5	173.4	121.8
487.3	82.5°	384.3	157.0	107.8	96.1	82.0	154.6	255.4	234.3	128.9	77.3
152.3	85°	124.2	51.5	39.8	30.5	37.5	96.1	152.3	159.3	91.4	39.8
23.4	87.5°	16.4	7.0	7.0	9.4	7.0	16.4	46.9	44.5	25.8	4.7
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°
5391.3
4754.0
3847.2
2975.6
2429.7
2230.5
2162.6
2085.3
1977.5
1839.3
1689.3
1544.0
1429.2
1351.9
1293.3
1298.0
1255.9
1159.8
1066.1
986.4
932.5
895.0
824.7
766.2
684.2
592.8
501.4
447.5
398.3
314.0
229.6
180.4
119.5
77.3
30.5
0.0
0.0

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