

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: McGRAW-EDISON

Report Number: P940408

Luminaire Tested: **GALN-SB3B-950-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940408  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3B-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

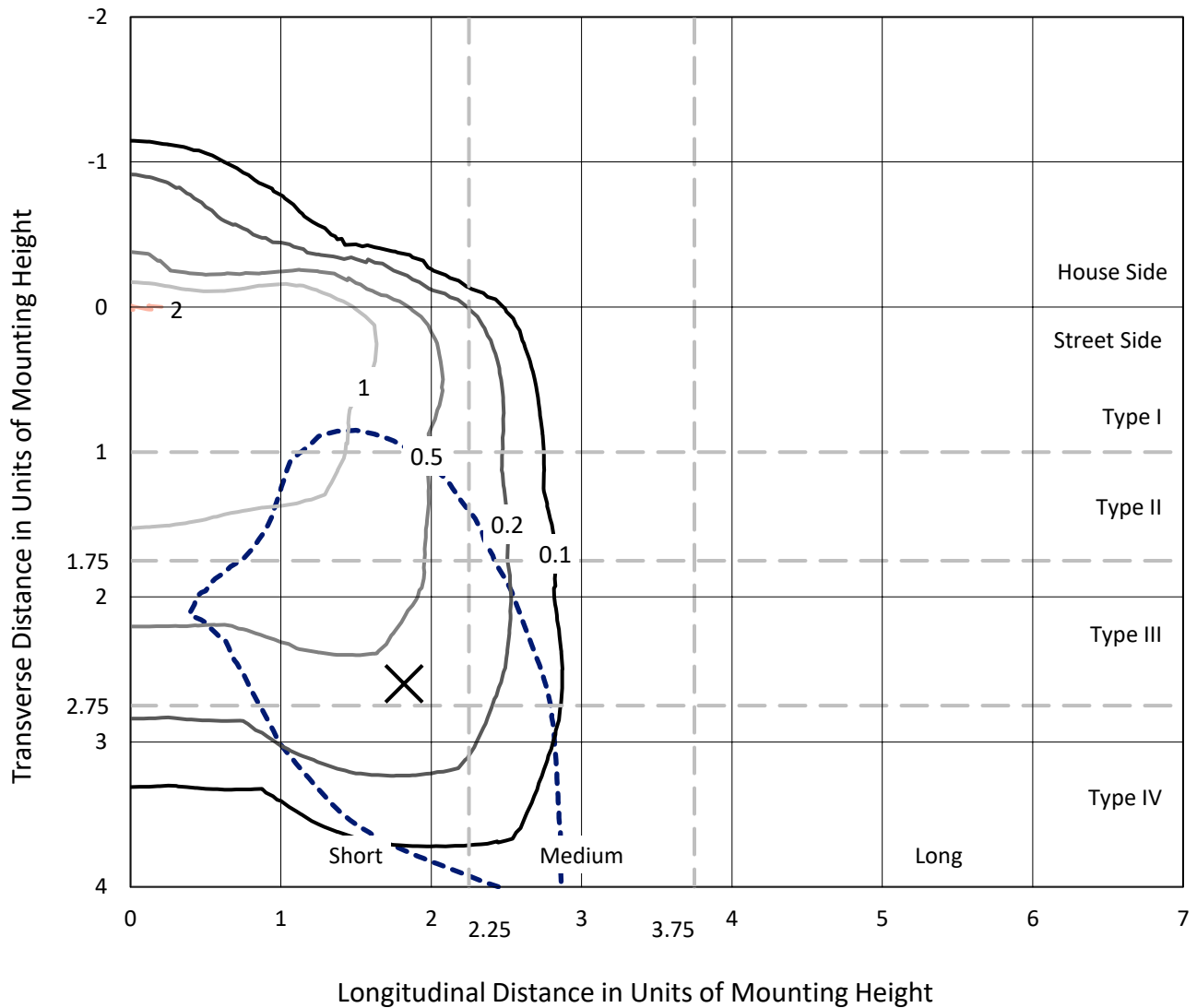
Lumens per Lamp: N/A  
Luminaire Lumens: 8899 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

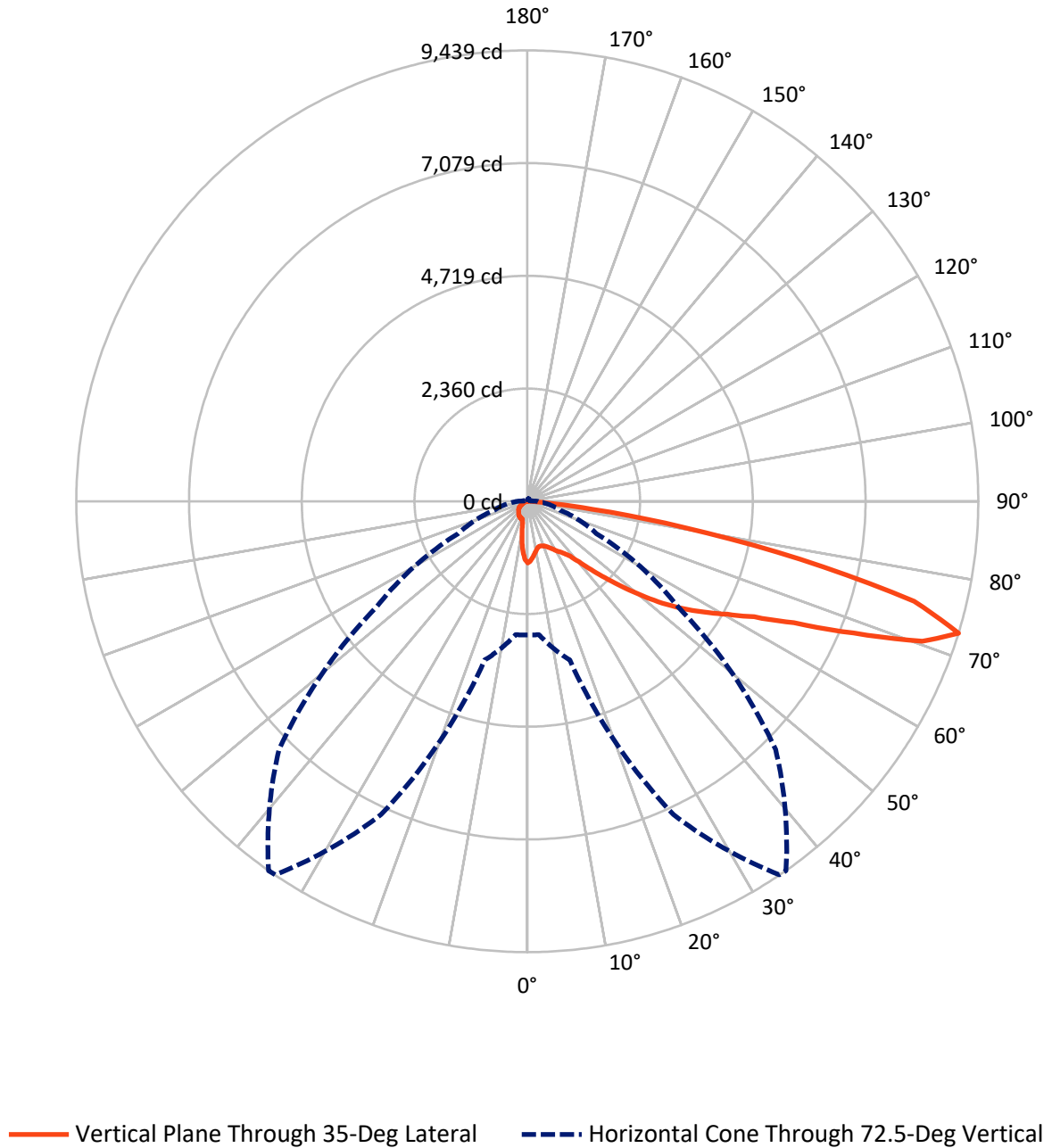
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1001.6	0.0	1001.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	7897.5	0.0	7897.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	8899.0	0.0	8899.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.0	1.2
10°-20°	247.9	2.8
20°-30°	402.8	4.5
30°-40°	672.0	7.6
40°-50°	1271.5	14.3
50°-60°	2020.4	22.7
60°-70°	2499.3	28.1
70°-80°	1553.6	17.5
80°-90°	125.6	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°	8899.0	100.0
0°-180°	8899.0	100.0

**Coefficient of Utilization**



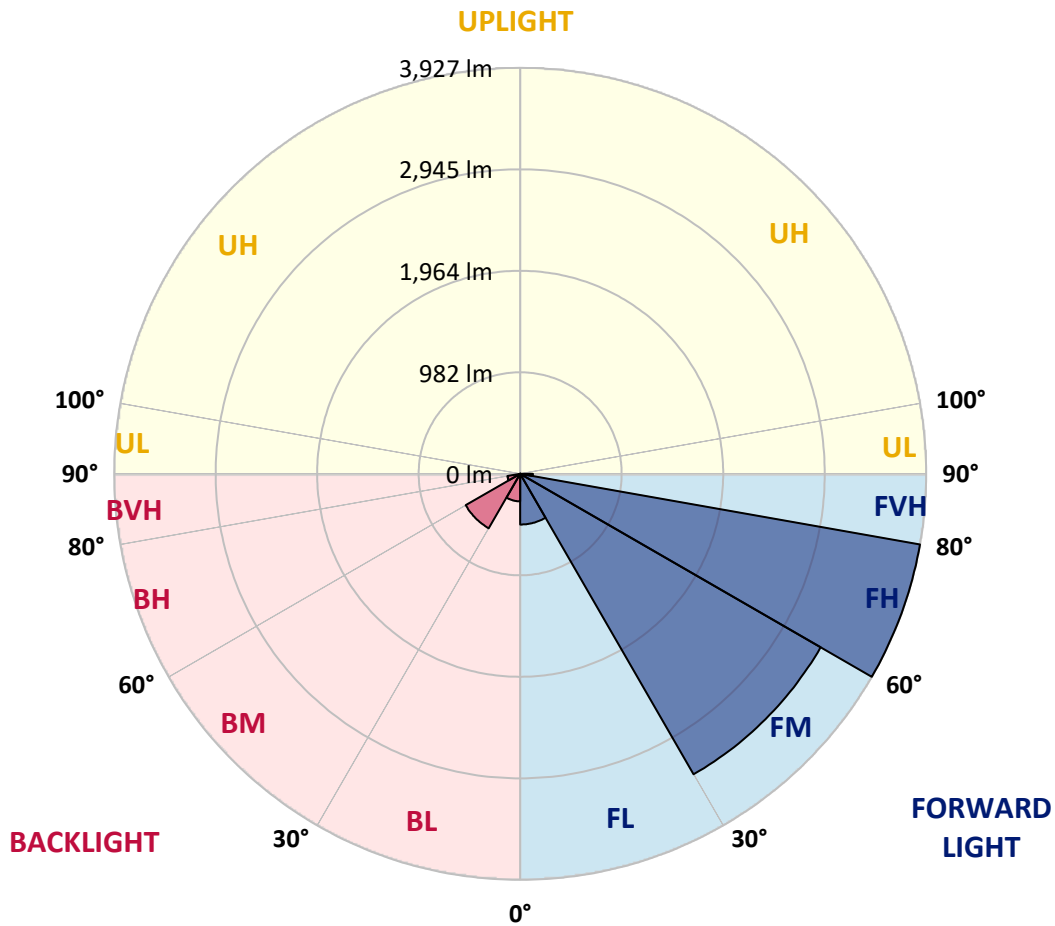
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.6	5.5			
FM (30°-60°)	3355.8	37.7			
FH (60°-80°)	3927.2	44.1			G2/5000
FVH (80°-90°)	123.8	1.4			G2/225
BL (0°-30°)	266.1	3.0	B1/500		
BM (30°-60°)	608.0	6.8	B1/1000		
BH (60°-80°)	125.7	1.4	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8
2.5°	1232.4	1242.8	1244.8	1248.0	1248.0	1251.9	1258.5	1267.6	1282.6	1290.4
5°	1135.9	1143.7	1153.5	1161.3	1176.3	1178.3	1203.7	1228.5	1263.0	1289.1
7.5°	1038.7	1047.9	1060.9	1079.8	1099.4	1105.2	1143.7	1185.4	1240.2	1289.1
10°	970.3	970.9	982.6	1001.6	1032.9	1040.0	1087.0	1146.3	1214.8	1281.3
12.5°	931.8	936.4	941.6	955.9	985.9	990.5	1040.7	1110.4	1189.3	1276.7
15°	931.8	935.0	938.3	945.5	969.6	973.5	1017.9	1087.6	1176.3	1278.7
17.5°	941.6	946.8	944.2	952.7	978.1	980.7	1019.8	1081.1	1175.7	1291.1
20°	965.0	969.0	963.7	969.0	994.4	999.6	1040.0	1093.5	1186.7	1312.6
22.5°	1002.2	1004.2	991.8	995.7	1021.8	1028.3	1075.2	1128.7	1213.5	1347.1
25°	1049.2	1053.1	1034.2	1038.7	1063.5	1071.3	1125.4	1181.5	1255.9	1394.7
27.5°	1103.3	1105.2	1088.9	1088.3	1120.2	1131.3	1186.1	1246.7	1312.6	1454.7
30°	1165.2	1171.1	1155.4	1152.8	1193.3	1202.4	1256.5	1326.9	1396.0	1544.7
32.5°	1214.1	1218.7	1209.6	1216.1	1257.2	1264.3	1341.9	1440.4	1527.1	1672.5
35°	1284.5	1287.2	1266.3	1278.0	1325.0	1343.2	1458.6	1599.5	1692.1	1832.9
37.5°	1539.5	1539.5	1450.8	1392.8	1437.8	1454.1	1618.4	1799.7	1895.5	2048.1
40°	1892.3	1886.4	1756.6	1638.0	1632.1	1664.0	1846.0	2052.0	2158.3	2306.3
42.5°	2268.5	2259.4	2082.7	1965.3	1945.7	1956.8	2108.7	2363.0	2471.3	2621.3
45°	2602.3	2599.7	2438.0	2280.2	2245.0	2280.2	2436.7	2726.9	2804.5	2962.3
47.5°	2882.1	2882.1	2764.1	2661.0	2642.8	2663.6	2880.8	3130.5	3123.3	3325.5
50°	3204.2	3201.6	3089.4	3045.1	3064.0	3093.3	3392.0	3555.7	3453.3	3682.2
52.5°	3429.8	3445.5	3407.0	3399.8	3496.3	3547.2	3911.0	3971.7	3748.7	4020.6
55°	3608.5	3626.7	3671.1	3721.3	3907.1	3973.6	4413.8	4366.2	3995.8	4314.0
57.5°	3861.5	3835.4	3903.8	4003.0	4303.6	4383.8	4900.8	4738.5	4194.7	4552.0
60°	4168.6	4172.5	4184.2	4309.4	4699.4	4802.4	5380.8	5090.6	4322.5	4698.1
62.5°	4537.6	4543.5	4567.6	4760.0	5230.8	5327.9	5892.0	5378.8	4381.2	4657.0
65°	4512.2	4537.0	4806.3	5464.2	6038.7	6134.5	6488.6	5580.9	4292.5	4281.4
67.5°	4110.6	4151.0	4601.5	6305.4	7256.7	7363.6	7209.8	5620.7	3909.7	3329.4
70°	3583.7	3598.0	4139.9	7061.7	8667.1	8775.3	7855.3	5183.2	2966.8	1857.1
72.5°	2798.6	2801.9	3437.6	7237.2	9432.6	9438.5	7348.7	3847.8	1595.6	713.3
75°	1999.2	1979.6	2302.4	5869.1	8298.7	8365.2	5509.2	1804.9	609.7	337.1
77.5°	1072.0	1093.5	1302.8	3480.7	5732.9	5846.3	3006.0	520.3	310.4	229.5
80°	331.2	349.5	534.0	1593.6	3247.2	3315.7	1114.4	231.5	216.5	163.7
82.5°	104.3	108.2	249.1	669.7	1347.8	1379.1	322.8	131.1	148.0	108.2
85°	30.0	30.6	110.8	249.7	333.2	339.7	90.6	50.9	84.8	67.2
87.5°	3.3	10.4	41.7	41.7	29.3	28.7	9.8	11.1	24.1	8.5
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°
1289.8	0°	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8	1289.8
1295.6	2.5°	1292.4	1293.0	1284.5	1270.2	1254.6	1241.5	1225.2	1212.2	1203.0	1200.4
1307.4	5°	1301.5	1296.9	1272.8	1229.1	1177.0	1132.0	1081.8	1042.0	1015.9	1004.8
1319.8	7.5°	1315.2	1302.2	1249.3	1163.3	1063.5	974.8	884.8	815.1	770.7	748.6
1331.5	10°	1326.9	1300.8	1210.2	1068.1	915.5	781.2	659.9	575.8	528.8	506.6
1345.2	12.5°	1338.0	1300.2	1159.4	955.3	748.6	584.2	471.4	429.7	416.7	412.1
1367.4	15°	1358.9	1302.2	1095.5	826.2	582.3	441.4	400.4	399.7	402.3	401.0
1401.3	17.5°	1387.6	1304.1	1023.1	689.2	449.3	389.3	387.3	393.2	397.1	395.1
1443.6	20°	1424.7	1311.9	946.1	553.6	386.0	376.2	380.8	386.0	389.3	386.0
1500.4	22.5°	1476.9	1325.6	862.0	444.7	365.8	368.4	372.3	378.2	381.5	376.9
1572.8	25°	1540.8	1347.1	779.2	386.7	356.0	359.3	365.2	371.7	375.6	371.0
1664.0	27.5°	1623.6	1381.7	702.9	373.6	346.2	348.2	356.7	366.5	371.7	365.8
1793.8	30°	1743.6	1438.4	637.1	379.5	340.4	335.8	347.5	361.2	367.1	361.9
1970.5	32.5°	1902.7	1518.6	596.6	388.6	337.8	321.5	332.5	350.2	359.9	356.7
2201.3	35°	2111.4	1640.6	581.0	399.1	335.8	306.5	314.3	333.2	350.2	353.4
2492.2	37.5°	2364.3	1810.1	585.5	403.6	329.9	294.1	298.0	314.3	336.5	346.9
2819.5	40°	2651.9	2007.7	611.6	399.1	323.4	283.6	284.3	296.7	316.2	331.9
3171.6	42.5°	2948.6	2238.5	659.9	382.1	317.6	274.5	272.6	281.0	294.1	305.2
3523.0	45°	3230.9	2475.9	707.5	358.6	310.4	265.4	260.8	264.1	266.7	271.3
3865.4	47.5°	3477.4	2642.8	693.8	337.1	300.6	255.0	247.1	245.8	238.0	237.3
4171.2	50°	3647.6	2679.3	616.2	315.6	286.3	243.2	230.8	223.0	209.3	202.8
4400.1	52.5°	3701.7	2535.2	503.4	294.1	262.8	227.6	210.0	197.6	180.6	174.8
4531.8	55°	3630.0	2252.8	402.3	268.0	230.2	206.7	187.1	170.8	157.1	150.0
4546.1	57.5°	3454.6	1893.6	318.2	237.3	195.6	183.2	163.7	147.4	135.6	128.5
4387.0	60°	3163.8	1503.6	251.7	200.8	166.9	157.8	137.6	127.2	116.7	108.2
3976.2	62.5°	2722.3	1073.3	197.6	159.1	139.5	129.1	117.4	109.5	97.2	85.4
3237.4	65°	2124.4	656.6	152.6	116.7	112.2	106.9	99.8	92.6	77.6	65.9
2112.0	67.5°	1340.0	311.0	108.9	88.0	88.7	86.1	82.8	76.9	65.9	55.4
946.1	70°	590.1	150.6	71.7	67.2	65.9	65.9	68.5	66.5	56.1	46.3
328.6	72.5°	200.8	80.9	53.5	50.9	47.6	46.9	57.4	55.4	45.0	35.9
163.7	75°	105.0	54.1	39.1	36.5	28.7	34.6	45.6	43.0	32.0	23.5
108.2	77.5°	68.5	38.5	26.7	23.5	16.3	22.8	33.9	30.0	18.9	11.7
71.1	80°	43.0	25.4	15.6	11.1	7.8	12.4	18.3	13.0	7.2	2.6
41.7	82.5°	22.8	13.0	5.9	3.9	3.3	3.9	4.6	3.3	1.3	0.0
21.5	85°	9.1	4.6	2.0	1.3	0.7	0.0	1.3	0.7	0.0	0.0
3.9	87.5°	3.3	0.7	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°
1289.8
1205.0
1008.7
751.8
507.3
410.8
400.4
394.5
385.4
376.2
370.4
365.8
361.2
356.7
353.4
349.5
337.1
309.7
273.9
236.7
203.4
174.1
150.0
127.2
106.3
83.5
63.9
54.1
44.3
33.9
21.5
10.4
2.0
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