

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: P852205

Luminaire Tested: **GLAN-SB2A-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7885 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

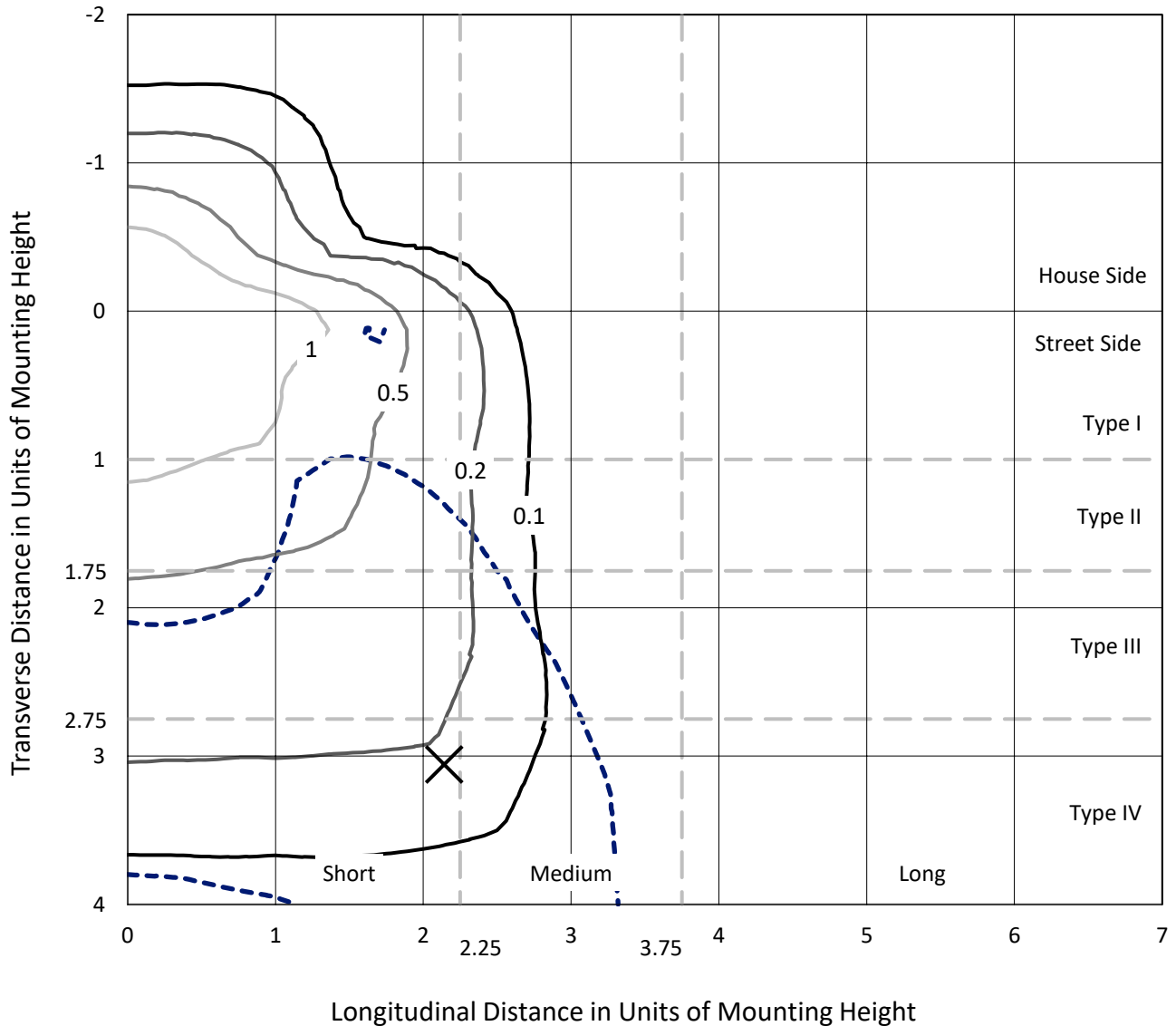
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

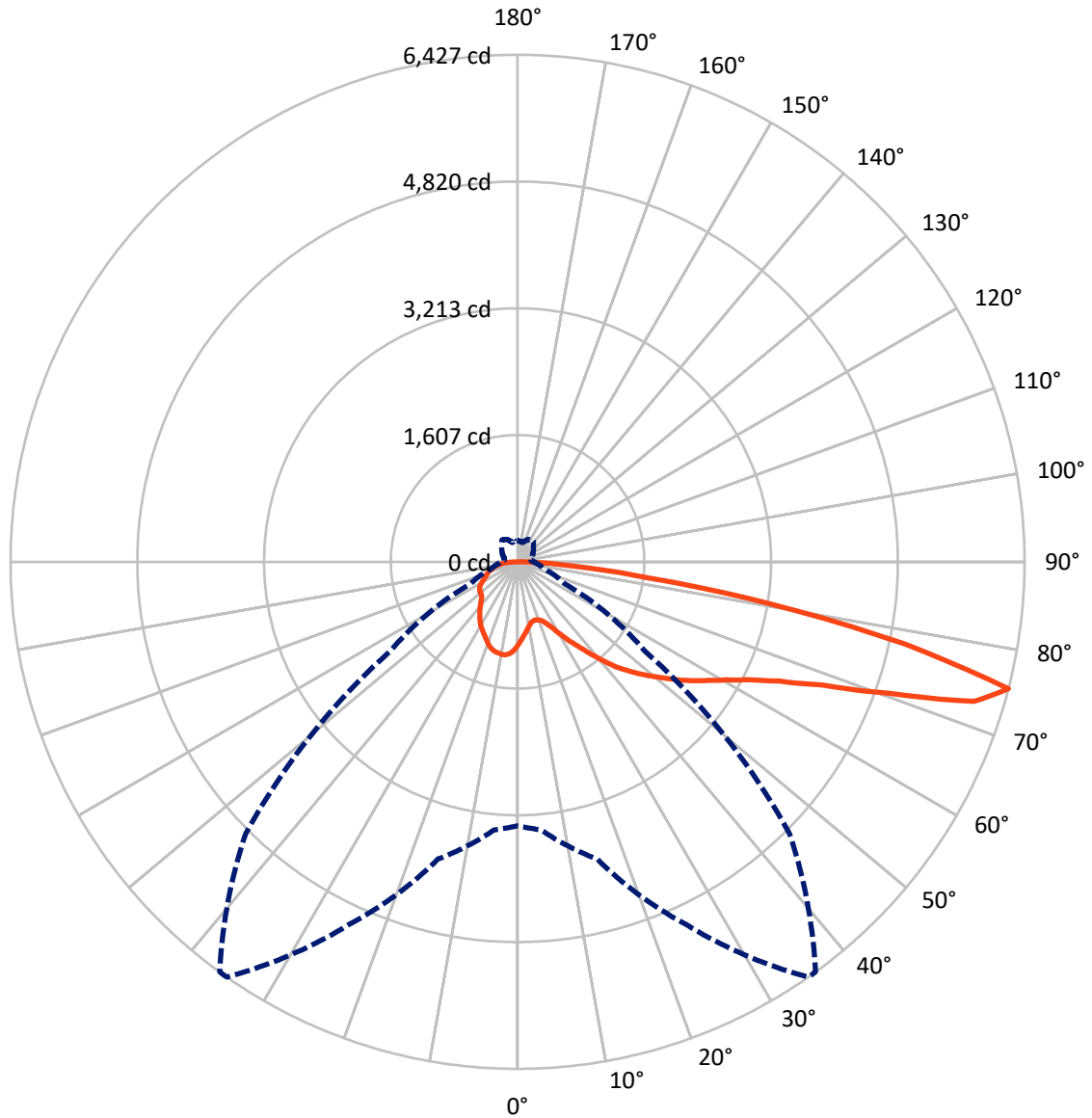
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1876.4	0.0	1876.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6008.6	0.0	6008.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	7885.0	0.0	7885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	1.3
10°-20°	287.0	3.6
20°-30°	481.9	6.1
30°-40°	748.9	9.5
40°-50°	1111.6	14.1
50°-60°	1534.6	19.5
60°-70°	1861.8	23.6
70°-80°	1538.6	19.5
80°-90°	221.3	2.8
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°	7885.0	100.0
0°-180°	7885.0	100.0

Coefficient of Utilization

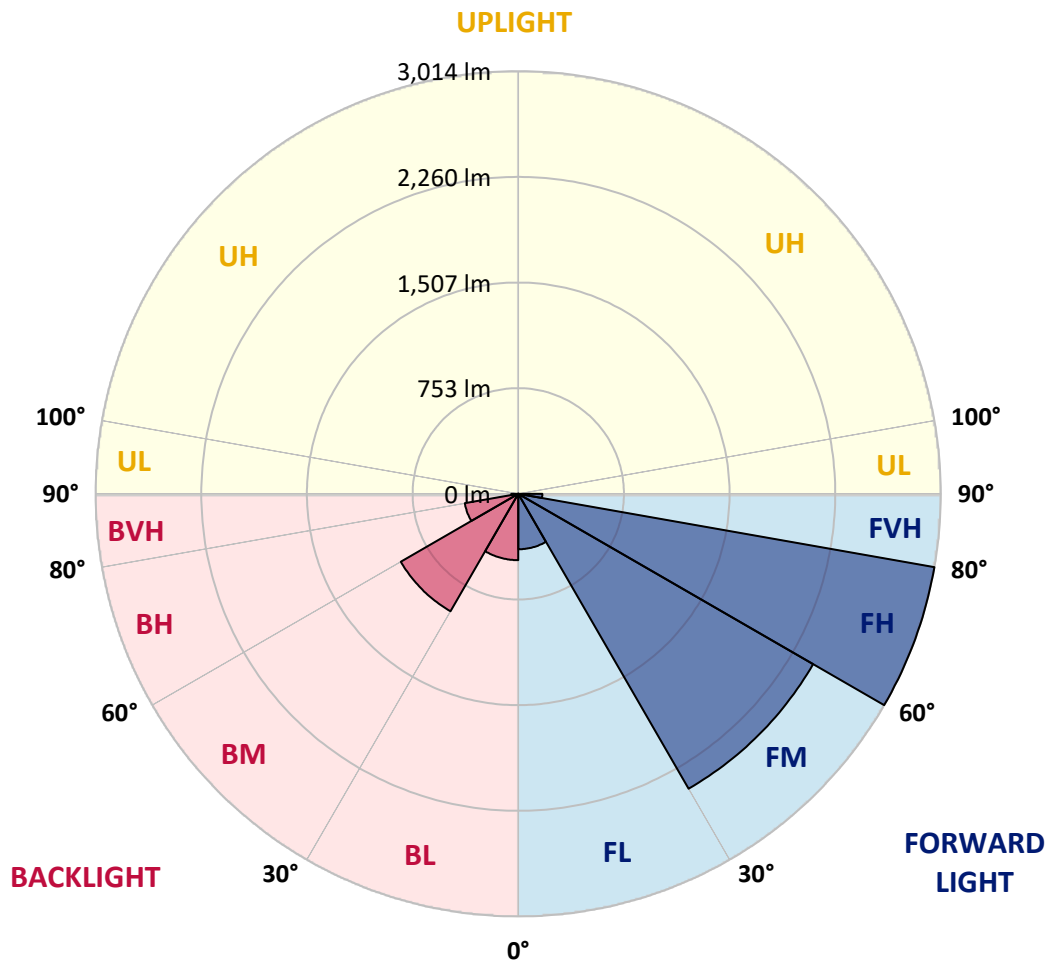


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.4	5.0			
FM (30°-60°)	2428.2	30.8			
FH (60°-80°)	3013.5	38.2			G2/5000
FVH (80°-90°)	171.5	2.2			G2/225
BL (0°-30°)	472.9	6.0	B1/500		
BM (30°-60°)	966.9	12.3	B1/1000		
BH (60°-80°)	386.9	4.9	B1/500		G1/500
BVH (80°-90°)	49.8	0.6			G1/100
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°	35°	36°	45°	55°	65°	75°
0°	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7
2.5°	968.9	974.9	977.4	976.1	982.5	981.7	990.6	1001.7	1017.1	1032.0
5°	894.3	900.7	906.2	911.3	923.7	927.5	941.6	962.9	991.1	1019.6
7.5°	824.8	830.4	838.9	848.3	869.1	873.0	896.4	929.7	968.9	1010.7
10°	768.1	773.7	782.6	793.3	819.3	824.0	853.8	898.1	949.3	1002.1
12.5°	743.8	745.5	750.6	761.3	783.9	786.9	819.7	870.4	930.1	995.7
15°	742.5	746.0	746.4	751.9	770.7	772.0	802.2	852.5	918.2	994.5
17.5°	755.3	757.9	754.1	757.5	773.2	775.4	799.2	844.0	914.3	1000.0
20°	789.4	791.6	780.1	775.4	786.9	788.6	812.0	849.5	918.2	1011.5
22.5°	861.9	863.2	835.0	815.9	816.7	817.6	838.0	872.1	933.1	1032.4
25°	974.9	974.0	929.2	892.2	870.8	866.2	879.8	908.8	958.2	1060.1
27.5°	1107.0	1100.6	1055.8	1000.4	954.0	947.1	944.2	956.5	994.0	1096.8
30°	1256.2	1250.2	1202.1	1129.6	1065.2	1054.1	1026.0	1019.6	1047.3	1146.6
32.5°	1419.9	1416.0	1358.5	1270.7	1184.6	1171.8	1124.5	1107.4	1129.2	1222.1
35°	1557.1	1553.7	1506.0	1415.6	1310.3	1294.6	1246.4	1227.2	1238.3	1318.8
37.5°	1681.2	1679.5	1638.5	1567.4	1458.7	1439.5	1385.3	1378.9	1376.8	1446.3
40°	1796.3	1792.0	1749.4	1711.9	1631.3	1613.8	1566.1	1560.5	1544.3	1603.2
42.5°	1923.7	1912.6	1850.8	1833.3	1811.6	1797.1	1768.6	1769.4	1733.6	1780.1
45°	2027.7	2021.3	1957.8	1947.6	1971.0	1965.1	1989.8	1996.2	1926.7	1965.5
47.5°	2139.4	2133.4	2079.7	2072.5	2136.0	2137.7	2225.1	2227.2	2115.1	2158.2
50°	2277.1	2268.6	2215.3	2224.2	2295.4	2301.8	2461.6	2447.2	2288.6	2353.8
52.5°	2367.9	2373.0	2361.5	2376.0	2473.2	2479.1	2694.4	2657.3	2460.4	2546.9
55°	2434.8	2445.0	2480.8	2514.1	2660.7	2666.7	2913.9	2857.2	2602.7	2725.9
57.5°	2520.9	2506.4	2573.3	2638.1	2838.9	2854.7	3127.5	3049.9	2728.9	2880.2
60°	2644.5	2634.3	2686.3	2782.2	3038.4	3063.5	3353.4	3223.4	2821.4	3002.6
62.5°	2895.2	2869.6	2877.7	2962.5	3289.9	3323.1	3608.3	3374.7	2867.4	3050.3
65°	3269.8	3225.9	3185.0	3243.8	3644.1	3676.9	3896.0	3493.6	2850.4	2957.8
67.5°	3741.7	3698.2	3647.9	3703.3	4165.8	4191.8	4251.1	3560.5	2716.1	2601.5
70°	4130.9	4114.7	4174.8	4402.8	4999.2	5000.0	4706.3	3505.1	2348.3	1844.4
72.5°	4079.3	4069.5	4386.2	5091.2	6049.5	6026.9	5137.3	3085.7	1581.8	832.1
75°	3346.6	3410.1	3900.7	5078.9	6426.7	6423.7	4873.4	1961.6	654.3	344.8
77.5°	1794.6	1895.1	2532.4	3749.8	5017.1	5092.5	3426.3	686.3	280.9	220.8
80°	585.3	673.1	1009.4	1909.2	3260.0	3246.0	1468.5	269.4	192.2	156.4
82.5°	248.5	258.7	451.0	901.5	1673.1	1647.1	467.6	154.7	135.1	107.0
85°	97.2	108.7	199.1	416.9	724.6	708.9	168.8	76.7	86.5	69.9
87.5°	32.0	38.8	71.2	142.8	225.5	217.4	41.3	26.4	37.5	32.0
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°
1050.7	0°	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7
1053.7	2.5°	1059.7	1066.5	1074.6	1086.5	1096.8	1105.3	1114.2	1119.8	1121.9	1128.3
1055.4	5°	1067.4	1082.3	1102.3	1121.9	1141.1	1152.6	1162.8	1168.0	1172.6	1176.0
1060.1	7.5°	1080.1	1099.3	1130.9	1156.4	1172.6	1182.0	1188.8	1187.1	1188.8	1189.7
1065.2	10°	1091.2	1118.1	1155.6	1179.9	1192.2	1192.7	1191.0	1185.0	1182.0	1182.4
1072.9	12.5°	1104.4	1134.3	1174.8	1195.2	1198.6	1189.3	1182.0	1171.8	1168.0	1166.2
1084.4	15°	1122.3	1156.4	1195.7	1203.3	1194.8	1182.9	1170.5	1153.9	1145.4	1138.5
1104.0	17.5°	1144.1	1181.6	1211.9	1206.3	1188.0	1168.4	1148.3	1123.2	1105.7	1098.5
1130.9	20°	1174.3	1208.0	1224.2	1199.9	1172.2	1142.4	1108.3	1077.6	1061.4	1054.1
1165.0	22.5°	1211.0	1243.4	1236.2	1188.8	1149.6	1101.9	1059.3	1036.7	1028.6	1023.4
1208.9	25°	1254.9	1282.6	1244.7	1172.6	1112.5	1048.2	1015.4	1008.1	1004.3	1000.4
1262.6	27.5°	1312.0	1326.9	1251.1	1148.8	1054.6	991.1	979.1	980.4	979.1	972.7
1337.2	30°	1387.5	1384.5	1257.0	1110.0	988.1	939.5	940.3	945.9	946.7	942.5
1441.2	32.5°	1486.8	1456.5	1260.0	1059.7	924.6	894.3	895.1	901.1	905.4	898.1
1577.2	35°	1607.0	1540.5	1255.3	996.6	875.5	851.2	844.8	846.6	847.8	841.0
1742.1	37.5°	1747.2	1634.7	1234.4	926.7	835.0	809.0	795.4	783.9	777.1	770.7
1928.8	40°	1901.1	1737.4	1196.1	858.5	789.9	764.3	743.8	722.1	699.1	690.5
2126.6	42.5°	2062.2	1843.1	1149.6	793.3	737.9	717.0	695.2	663.7	629.2	611.7
2332.1	45°	2229.3	1951.4	1104.0	728.9	684.6	675.6	650.5	612.5	575.0	552.9
2537.9	47.5°	2393.0	2053.7	1037.1	664.1	634.7	644.5	624.9	589.9	548.2	513.2
2742.1	50°	2549.5	2149.6	927.5	598.5	594.2	635.1	616.4	566.1	518.3	473.6
2942.5	52.5°	2704.6	2227.2	787.3	538.8	572.5	632.6	605.3	549.9	491.5	444.6
3130.9	55°	2836.3	2267.3	652.2	487.6	540.9	610.8	592.1	530.7	453.5	403.7
3260.0	57.5°	2911.4	2234.9	539.6	437.3	497.4	575.0	569.5	489.8	408.4	370.0
3285.2	60°	2879.0	2103.6	447.6	393.4	456.1	536.2	530.3	449.3	373.8	337.6
3150.5	62.5°	2700.4	1853.4	374.7	355.1	418.6	496.6	491.1	418.2	347.4	312.4
2792.9	65°	2340.6	1507.7	318.0	323.1	380.6	448.9	457.0	392.2	326.5	292.4
2160.7	67.5°	1785.2	1092.1	273.7	295.4	343.6	402.0	425.4	373.4	309.0	276.6
1250.2	70°	1017.5	620.2	236.1	268.5	310.7	358.5	401.1	358.5	290.3	263.4
468.5	72.5°	385.8	284.7	204.2	241.7	279.2	321.8	374.3	335.0	268.5	248.5
242.1	75°	205.9	173.5	171.8	210.1	243.0	286.0	340.6	312.0	252.3	262.6
167.5	77.5°	140.2	122.8	143.6	179.9	203.3	246.4	304.8	277.1	218.7	217.8
115.9	80°	97.2	87.0	116.8	144.9	157.3	207.2	266.0	237.9	178.2	166.2
71.6	82.5°	58.4	56.7	87.4	108.3	111.3	159.8	220.4	199.5	145.8	127.0
42.6	85°	32.0	33.7	55.8	63.5	64.8	111.7	172.6	154.3	112.1	94.2
15.3	87.5°	9.0	11.5	20.5	25.1	31.1	58.0	102.7	91.6	56.3	39.2
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°
1050.7
1127.9
1176.9
1191.0
1183.3
1165.4
1140.7
1098.9
1053.3
1024.3
1000.4
974.0
944.6
901.5
845.7
774.9
694.4
613.8
551.2
509.4
469.7
439.5
399.4
364.9
332.5
306.9
286.9
271.5
260.0
245.1
271.1
200.8
159.0
127.9
95.1
39.2
0.0

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