

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: P846393

Luminaire Tested: **GLAN-SB2A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8590 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

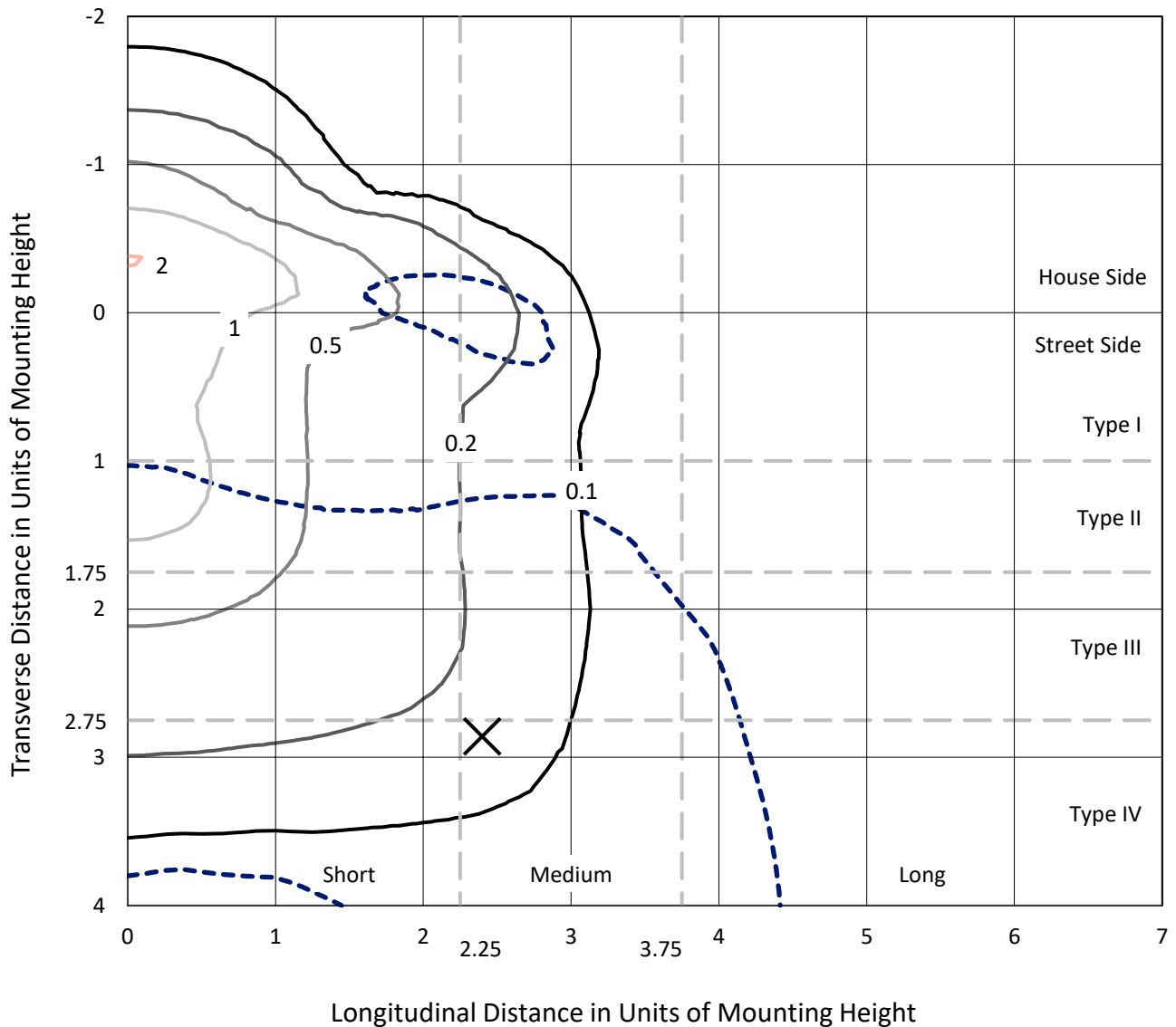
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

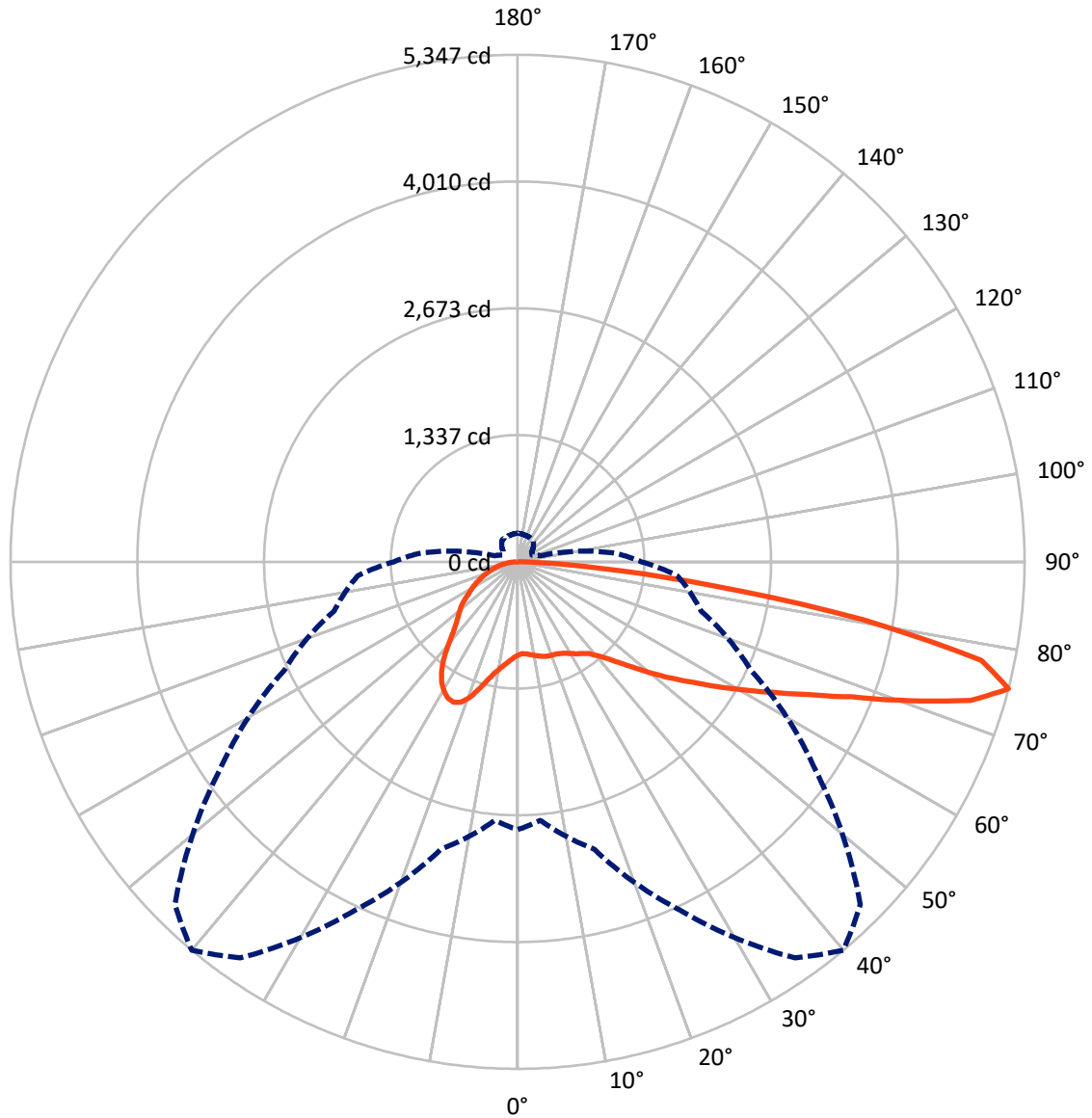
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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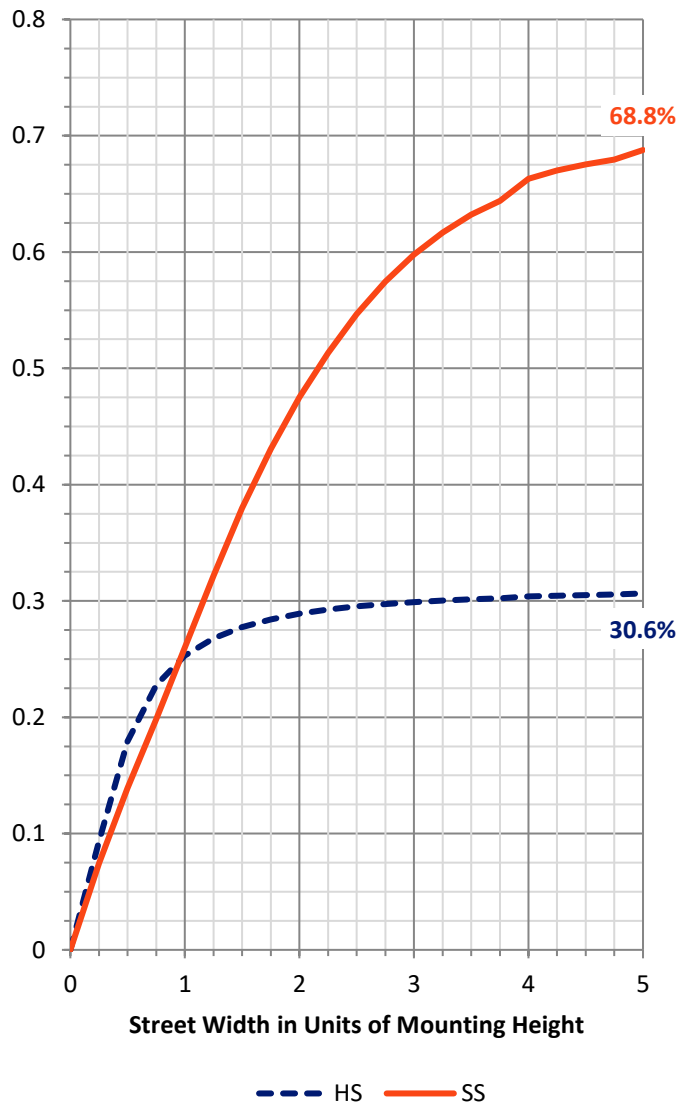
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2661.5	0.0	2661.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5928.5	0.0	5928.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	8590.0	0.0	8590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.1
10°-20°	329.2	3.8
20°-30°	601.1	7.0
30°-40°	852.5	9.9
40°-50°	1151.1	13.4
50°-60°	1548.6	18.0
60°-70°	1965.5	22.9
70°-80°	1783.8	20.8
80°-90°	260.0	3.0
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°	8590.0	100.0
0°-180°	8590.0	100.0

Coefficient of Utilization

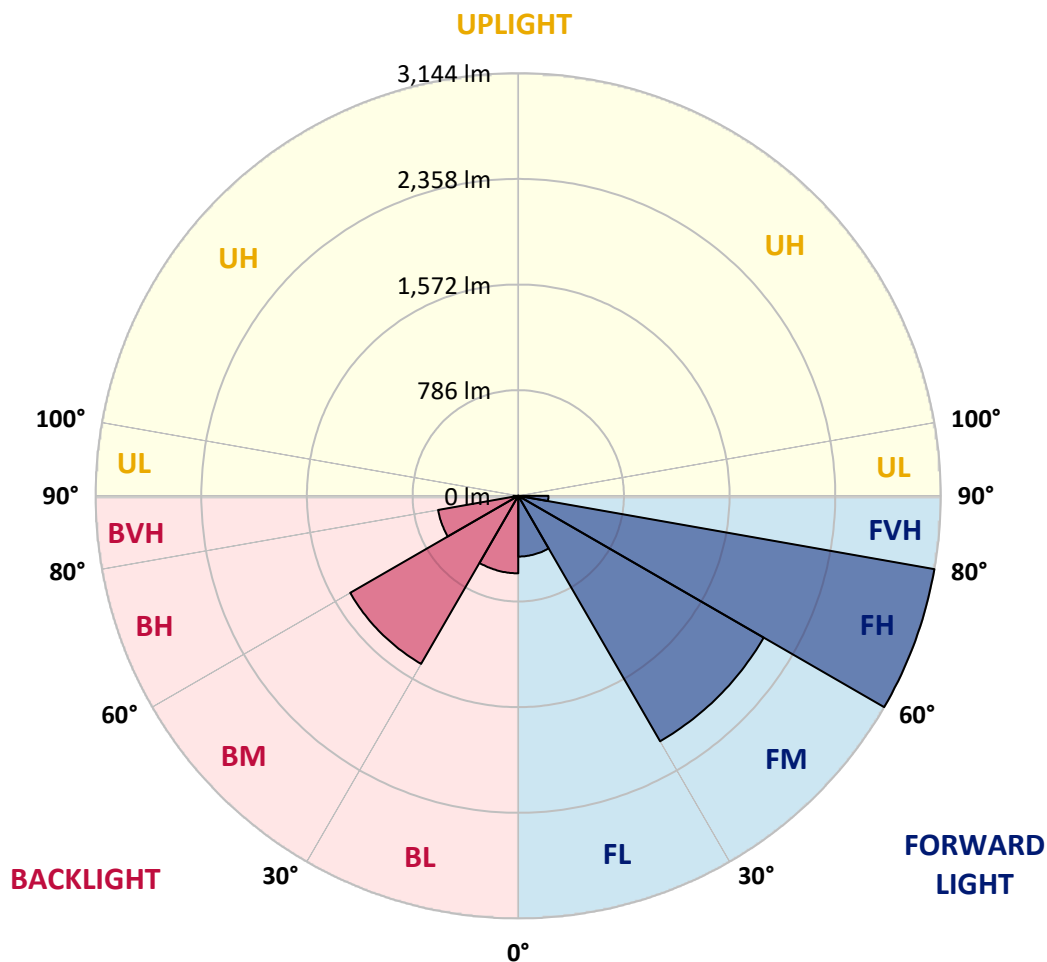


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.8	5.3			
FM (30°-60°)	2108.6	24.5			
FH (60°-80°)	3143.8	36.6			G2/5000
FVH (80°-90°)	224.2	2.6			G2/225
BL (0°-30°)	576.5	6.7	B2/1000		
BM (30°-60°)	1443.6	16.8	B2/2500		
BH (60°-80°)	605.6	7.0	B2/1000		G2/1000
BVH (80°-90°)	35.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3
2.5°	967.2	972.7	971.3	969.5	969.5	970.0	969.5	972.7	975.9	979.1
5°	977.3	982.7	980.0	977.7	975.9	975.4	974.1	973.6	975.4	979.5
7.5°	996.9	1002.3	998.2	994.1	990.5	988.7	986.8	984.1	982.7	985.0
10°	1018.7	1024.2	1019.2	1011.9	1006.0	1003.7	1001.9	999.1	997.3	998.7
12.5°	1040.6	1046.1	1039.2	1029.2	1021.5	1020.1	1017.8	1016.9	1016.4	1016.0
15°	1061.1	1065.7	1057.0	1045.2	1037.0	1034.7	1032.4	1033.8	1036.0	1038.8
17.5°	1077.0	1081.6	1068.8	1053.4	1045.6	1044.7	1043.3	1047.9	1054.3	1061.1
20°	1091.6	1096.2	1079.8	1058.8	1049.7	1049.7	1050.2	1059.7	1068.8	1078.9
22.5°	1112.1	1115.8	1095.7	1067.0	1053.8	1054.7	1058.4	1067.9	1079.3	1093.0
25°	1142.6	1145.4	1120.8	1082.5	1067.5	1070.2	1073.4	1078.0	1088.9	1104.8
27.5°	1191.9	1194.1	1161.8	1109.8	1087.1	1091.6	1096.2	1093.0	1098.0	1111.7
30°	1261.1	1262.5	1221.5	1152.7	1120.3	1122.6	1123.5	1110.3	1100.7	1111.7
32.5°	1343.1	1342.7	1293.9	1204.6	1158.1	1155.9	1148.1	1122.1	1099.8	1109.4
35°	1470.2	1465.2	1402.3	1277.5	1201.0	1186.8	1168.6	1135.4	1104.4	1107.1
37.5°	1680.7	1665.2	1578.2	1396.9	1264.8	1228.8	1201.9	1156.8	1114.4	1106.2
40°	1918.1	1898.5	1802.8	1560.4	1360.4	1302.6	1259.3	1187.3	1130.8	1110.3
42.5°	2199.6	2171.9	2068.9	1753.2	1481.6	1397.8	1332.6	1226.0	1155.0	1123.5
45°	2545.4	2508.5	2362.8	1970.5	1634.2	1522.6	1435.6	1284.8	1191.9	1149.0
47.5°	2894.9	2904.0	2696.7	2219.2	1817.4	1676.6	1564.5	1373.2	1245.6	1190.0
50°	3266.2	3272.6	3028.8	2494.9	2025.2	1850.7	1709.4	1472.1	1320.3	1248.3
52.5°	3556.0	3556.9	3330.5	2783.3	2241.6	2042.0	1865.7	1585.0	1406.9	1325.8
55°	3737.3	3735.0	3541.9	3056.2	2490.3	2242.9	2038.8	1713.5	1512.6	1416.9
57.5°	3869.0	3862.1	3687.6	3290.8	2755.5	2480.3	2234.7	1859.3	1637.4	1525.4
60°	3919.1	3915.0	3786.5	3493.6	3034.3	2742.7	2460.7	2022.4	1779.1	1653.4
62.5°	3938.2	3946.0	3883.6	3689.9	3332.7	3033.4	2709.0	2217.4	1938.6	1798.3
65°	4005.7	4019.8	4007.0	3946.9	3669.9	3373.7	3038.4	2449.3	2112.6	1953.6
67.5°	4139.1	4153.3	4158.7	4254.4	4081.7	3797.9	3449.4	2738.2	2316.3	2114.9
70°	4136.0	4131.9	4228.4	4499.1	4597.5	4385.2	4003.4	3093.5	2559.1	2248.9
72.5°	3764.6	3731.8	3960.1	4496.3	5026.7	4998.4	4679.9	3551.9	2768.7	2265.3
75°	2824.3	2736.8	3140.0	4052.1	5098.2	5346.5	5110.0	3836.2	2719.0	2001.5
77.5°	1207.8	1119.9	1595.1	2999.7	4562.9	4998.0	4715.5	3346.9	2170.5	1323.5
80°	316.2	315.7	482.0	1360.0	3103.1	3690.8	3238.0	2161.4	1240.1	472.9
82.5°	130.8	127.6	177.2	529.0	1516.2	2071.2	1690.3	964.1	447.9	128.0
85°	48.7	48.3	86.1	182.7	534.9	854.3	618.3	246.5	111.6	62.4
87.5°	13.7	13.2	18.7	63.3	130.3	197.7	105.7	40.5	31.4	24.6
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°
982.3	0°	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3
984.1	2.5°	985.5	987.7	991.8	995.0	999.1	1003.7	1010.1	1014.2	1018.3	1021.0
986.4	5°	989.6	994.6	1005.1	1015.5	1027.8	1039.2	1052.4	1062.0	1069.8	1072.0
994.6	7.5°	998.7	1006.9	1024.6	1042.4	1062.0	1080.7	1099.8	1116.2	1129.4	1134.4
1009.2	10°	1014.6	1025.6	1050.6	1075.7	1101.6	1130.3	1155.0	1178.6	1197.3	1205.1
1026.5	12.5°	1034.7	1048.3	1081.1	1115.8	1151.8	1191.4	1223.3	1252.4	1275.7	1286.2
1050.6	15°	1060.6	1078.4	1120.3	1166.8	1219.6	1274.8	1315.3	1347.7	1373.6	1386.4
1075.7	17.5°	1088.9	1112.6	1165.4	1235.6	1311.2	1383.7	1431.0	1454.7	1481.6	1493.9
1098.9	20°	1116.2	1145.4	1221.0	1323.1	1423.8	1500.8	1539.0	1545.4	1547.2	1548.6
1120.8	22.5°	1144.5	1183.7	1290.7	1433.3	1541.3	1594.6	1600.1	1572.7	1534.5	1516.7
1142.2	25°	1175.5	1227.4	1381.8	1555.0	1642.4	1648.8	1606.9	1540.4	1467.9	1434.7
1159.5	27.5°	1205.5	1278.0	1491.2	1671.1	1715.3	1659.3	1569.1	1474.8	1387.3	1352.2
1171.8	30°	1235.6	1335.8	1611.9	1772.7	1748.6	1633.3	1509.4	1404.2	1316.2	1279.3
1182.7	32.5°	1266.1	1403.3	1750.9	1846.1	1742.7	1578.2	1435.1	1324.9	1247.4	1208.7
1192.3	35°	1300.7	1486.2	1882.5	1886.2	1703.0	1497.1	1337.2	1230.1	1162.7	1131.7
1203.7	37.5°	1345.8	1591.4	1998.7	1896.2	1633.8	1378.2	1215.5	1118.0	1062.5	1048.3
1220.6	40°	1401.9	1718.1	2087.6	1880.3	1531.3	1233.8	1082.5	1004.6	973.2	976.4
1243.3	42.5°	1474.8	1859.8	2150.0	1839.3	1388.7	1084.8	965.9	931.3	946.3	959.0
1277.5	45°	1569.5	2006.9	2188.7	1769.6	1227.4	958.6	897.1	905.3	916.7	918.0
1332.6	47.5°	1690.7	2155.9	2214.2	1664.3	1062.9	869.7	853.3	855.2	852.9	843.3
1415.1	50°	1842.0	2300.8	2237.0	1524.9	923.0	814.2	792.3	785.9	754.5	723.5
1524.9	52.5°	2014.2	2433.8	2246.6	1351.8	814.2	767.7	732.2	692.1	633.3	623.7
1662.9	55°	2205.6	2556.8	2222.0	1139.0	722.6	708.0	654.2	606.0	599.6	591.4
1844.7	57.5°	2434.3	2689.4	2171.9	901.6	628.7	638.3	585.9	591.4	580.0	567.2
2078.5	60°	2684.4	2826.6	2083.9	685.2	531.7	551.3	568.1	567.7	564.5	554.0
2324.9	62.5°	2909.5	2916.8	1910.8	524.9	446.5	483.8	529.9	529.4	526.7	520.8
2582.4	65°	3043.4	2903.1	1621.9	413.2	376.3	428.3	477.9	481.6	482.0	481.6
2776.0	67.5°	3019.7	2743.2	1225.6	328.9	318.5	371.8	426.4	431.5	435.1	436.0
2800.6	70°	2751.8	2391.9	799.1	262.4	267.0	322.1	377.7	382.7	385.9	389.5
2430.2	72.5°	2145.0	1758.6	457.4	212.3	221.9	279.3	329.4	335.3	337.1	344.0
1691.2	75°	1307.1	1034.2	246.9	167.2	182.2	238.7	281.6	288.4	291.6	299.8
830.6	77.5°	621.4	447.9	140.8	130.3	146.7	195.0	237.8	245.6	236.9	241.5
229.2	80°	210.0	166.3	88.8	99.3	112.1	152.2	190.4	198.2	180.0	179.1
76.1	82.5°	73.4	67.4	56.5	66.1	72.4	108.9	144.0	154.0	133.9	133.5
34.2	85°	28.7	27.3	31.4	36.0	43.3	67.0	94.8	99.8	82.5	66.5
10.0	87.5°	5.9	6.4	7.7	8.2	13.2	23.2	34.2	41.9	33.3	28.2
0.0	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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180°
982.3
1019.2
1072.9
1134.9
1205.5
1286.2
1385.5
1493.5
1552.2
1521.7
1439.7
1356.3
1283.4
1213.7
1138.5
1058.4
987.3
970.9
927.2
850.6
727.6
626.9
592.7
564.9
550.4
518.5
481.6
436.9
391.4
346.7
300.7
237.8
177.2
127.1
65.6
26.0
0.0

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