

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: P846313

Luminaire Tested: **GLAN-SB1D-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846313
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-SB1D-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8664 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

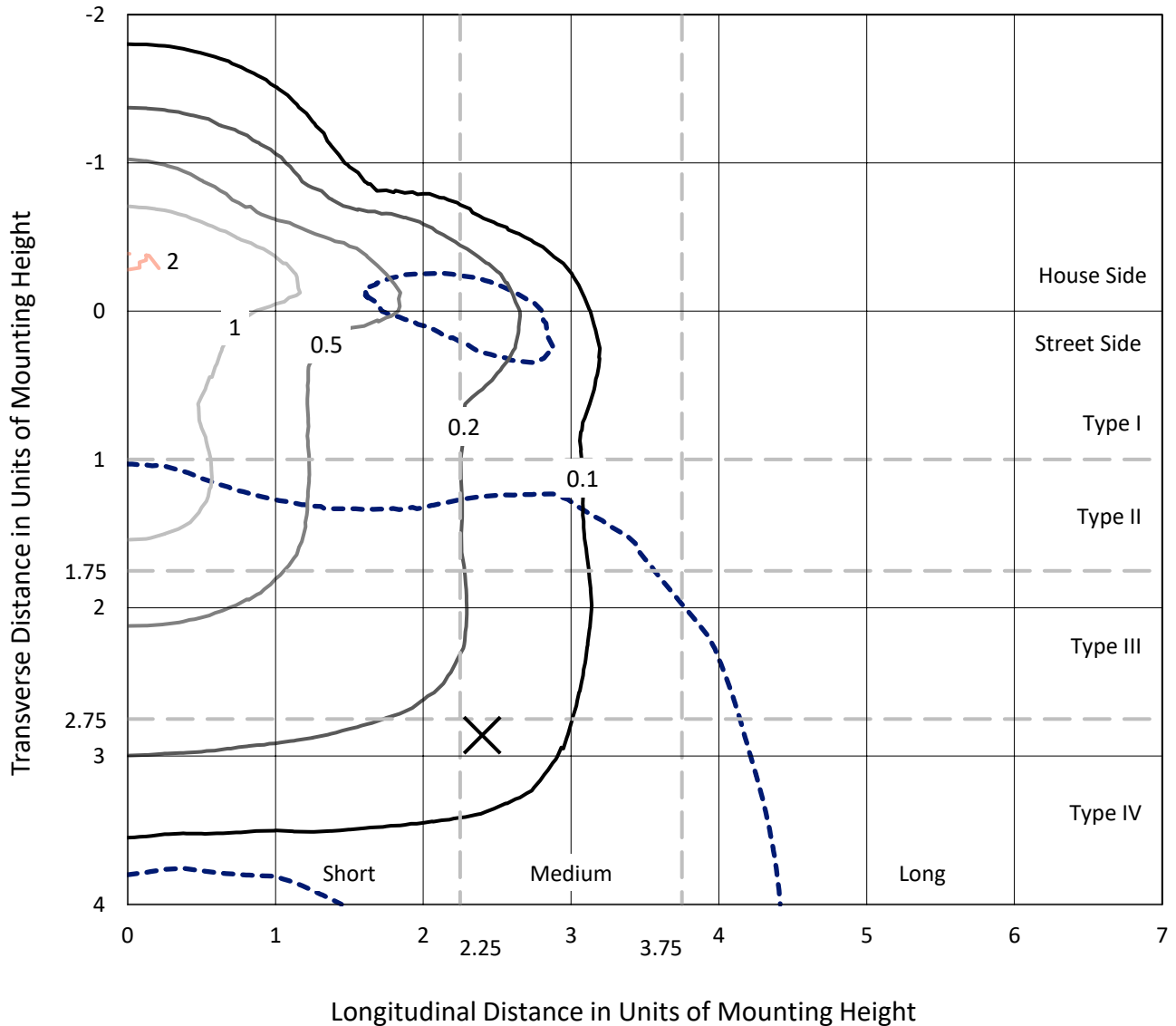
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

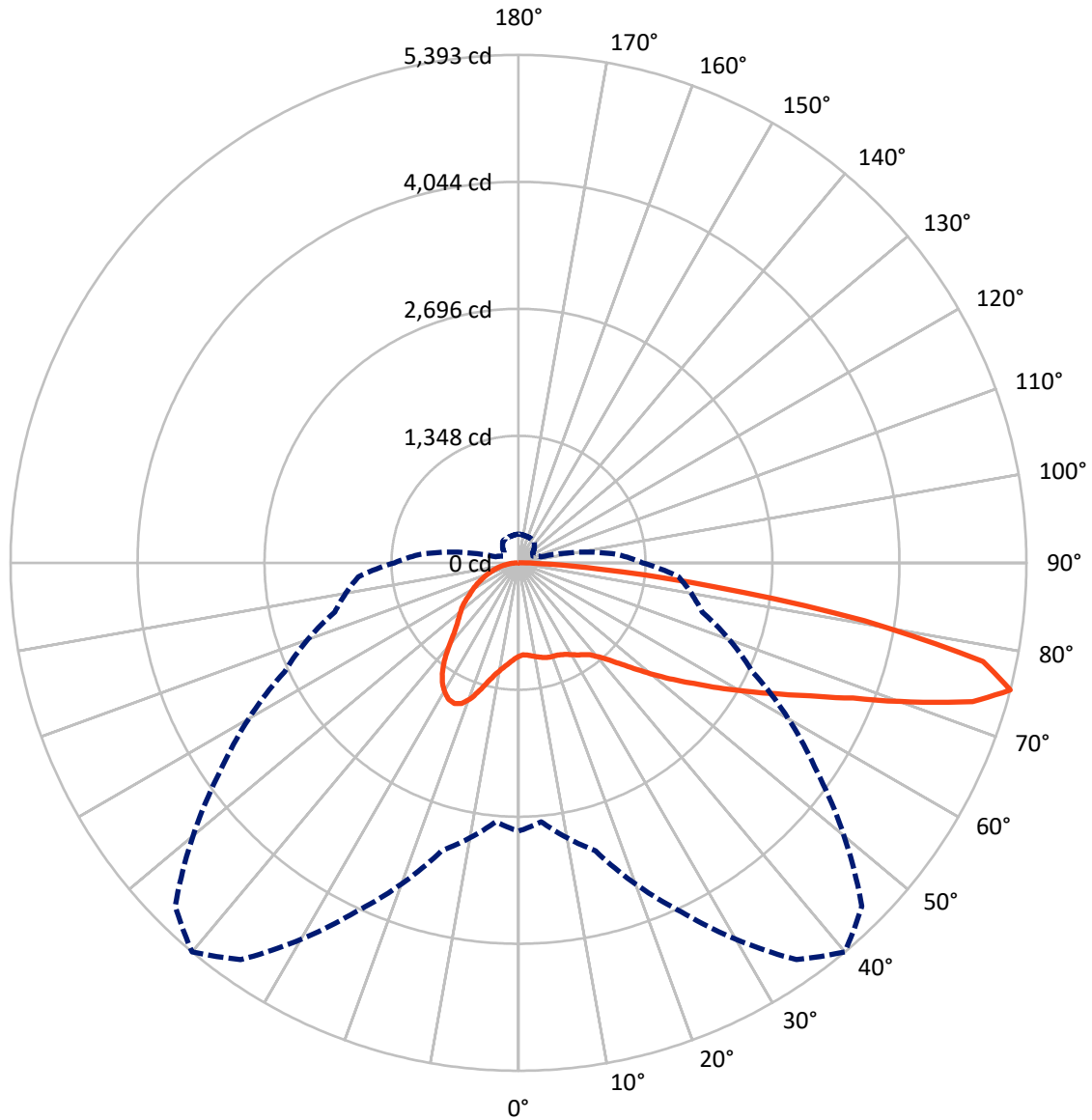
✕ Max cd
 - - - 1/2 Max cd



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	2684.4	0.0	2684.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5979.6	0.0	5979.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	8664.0	0.0	8664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.1
10°-20°	332.0	3.8
20°-30°	606.3	7.0
30°-40°	859.9	9.9
40°-50°	1161.1	13.4
50°-60°	1561.9	18.0
60°-70°	1982.5	22.9
70°-80°	1799.2	20.8
80°-90°	262.3	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°	8664.0	100.0
0°-180°	8664.0	100.0

Coefficient of Utilization

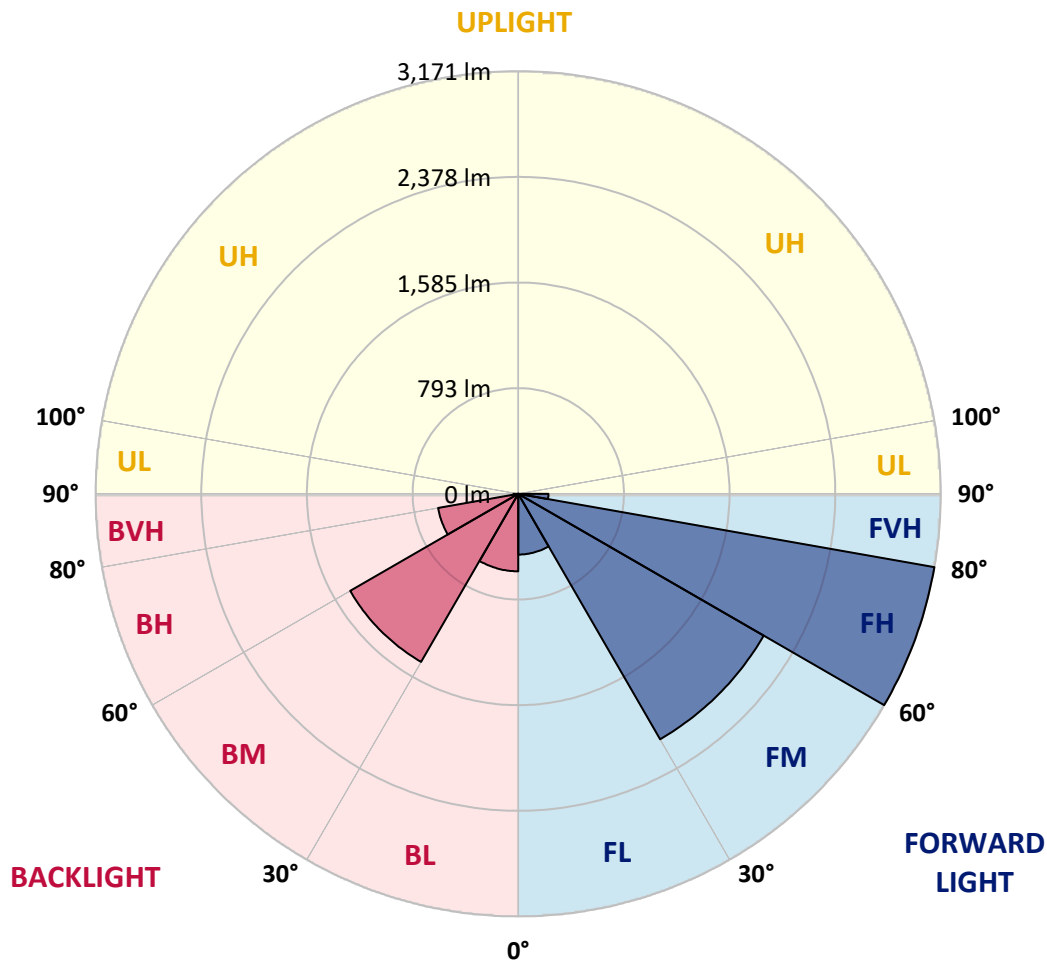


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.7	5.3			
FM (30°-60°)	2126.8	24.5			
FH (60°-80°)	3170.9	36.6			G2/5000
FVH (80°-90°)	226.2	2.6			G3/500
BL (0°-30°)	581.5	6.7	B2/1000		
BM (30°-60°)	1456.0	16.8	B2/2500		
BH (60°-80°)	610.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	36.1	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-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7
2.5°	975.6	981.1	979.7	977.9	977.9	978.3	977.9	981.1	984.3	987.5
5°	985.7	991.2	988.4	986.1	984.3	983.8	982.5	982.0	983.8	988.0
7.5°	1005.4	1011.0	1006.8	1002.7	999.0	997.2	995.3	992.6	991.2	993.5
10°	1027.5	1033.0	1028.0	1020.6	1014.6	1012.3	1010.5	1007.7	1005.9	1007.3
12.5°	1049.6	1055.1	1048.2	1038.1	1030.3	1028.9	1026.6	1025.7	1025.2	1024.7
15°	1070.2	1074.8	1066.1	1054.2	1045.9	1043.6	1041.3	1042.7	1045.0	1047.7
17.5°	1086.3	1090.9	1078.1	1062.4	1054.6	1053.7	1052.3	1056.9	1063.3	1070.2
20°	1101.0	1105.6	1089.1	1067.9	1058.7	1058.7	1059.2	1068.9	1078.1	1088.2
22.5°	1121.7	1125.4	1105.2	1076.2	1062.9	1063.8	1067.5	1077.1	1088.6	1102.4
25°	1152.5	1155.3	1130.4	1091.8	1076.7	1079.4	1082.6	1087.2	1098.3	1114.4
27.5°	1202.1	1204.4	1171.8	1119.4	1096.4	1101.0	1105.6	1102.4	1107.5	1121.2
30°	1272.0	1273.3	1232.0	1162.6	1130.0	1132.3	1133.2	1119.9	1110.2	1121.2
32.5°	1354.7	1354.2	1305.1	1215.0	1168.1	1165.8	1158.0	1131.8	1109.3	1118.9
35°	1482.9	1477.8	1414.4	1288.5	1211.3	1197.1	1178.7	1145.1	1113.9	1116.7
37.5°	1695.2	1679.6	1591.8	1408.9	1275.6	1239.3	1212.2	1166.7	1124.0	1115.7
40°	1934.6	1914.8	1818.3	1573.9	1372.1	1313.8	1270.1	1197.5	1140.5	1119.9
42.5°	2218.6	2190.6	2086.7	1768.3	1494.4	1409.8	1344.1	1236.6	1164.9	1133.2
45°	2567.4	2530.2	2383.1	1987.5	1648.3	1535.7	1448.0	1295.9	1202.1	1158.9
47.5°	2919.8	2929.0	2719.9	2238.4	1833.1	1691.1	1578.0	1385.0	1256.3	1200.3
50°	3294.3	3300.8	3054.9	2516.4	2042.6	1866.6	1724.1	1484.7	1331.7	1259.1
52.5°	3586.6	3587.5	3359.1	2807.2	2260.9	2059.6	1881.8	1598.7	1419.0	1337.2
55°	3769.5	3767.2	3572.4	3082.5	2511.8	2262.3	2056.4	1728.3	1525.6	1429.1
57.5°	3902.3	3895.4	3719.4	3319.2	2779.2	2501.7	2254.0	1875.3	1651.5	1538.5
60°	3952.9	3948.7	3819.1	3523.7	3060.4	2766.4	2481.9	2039.8	1794.5	1667.6
62.5°	3972.2	3980.0	3917.0	3721.7	3361.4	3059.5	2732.3	2236.5	1955.3	1813.8
65°	4040.2	4054.4	4041.5	3980.9	3701.5	3402.8	3064.6	2470.4	2130.8	1970.5
67.5°	4174.8	4189.0	4194.6	4291.1	4116.9	3830.6	3479.1	2761.8	2336.2	2133.1
70°	4171.6	4167.4	4264.9	4537.8	4637.1	4422.9	4037.9	3120.2	2581.2	2268.2
72.5°	3797.1	3764.0	3994.2	4535.1	5070.0	5041.5	4720.3	3582.5	2792.5	2284.8
75°	2848.6	2760.4	3167.1	4087.0	5142.1	5392.5	5154.1	3869.2	2742.5	2018.7
77.5°	1218.2	1129.5	1608.8	3025.5	4602.2	5041.0	4756.1	3375.7	2189.2	1334.9
80°	318.9	318.5	486.2	1371.7	3129.8	3722.6	3265.9	2180.0	1250.8	477.0
82.5°	131.9	128.7	178.8	533.5	1529.3	2089.0	1704.8	972.4	451.7	129.1
85°	49.2	48.7	86.9	184.3	539.5	861.6	623.6	248.6	112.6	63.0
87.5°	13.8	13.3	18.8	63.9	131.4	199.4	106.6	40.9	31.7	24.8
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°
990.7	0°	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7
992.6	2.5°	994.0	996.3	1000.4	1003.6	1007.7	1012.3	1018.8	1022.9	1027.0	1029.8
994.9	5°	998.1	1003.1	1013.7	1024.3	1036.7	1048.2	1061.5	1071.2	1079.0	1081.3
1003.1	7.5°	1007.3	1015.6	1033.5	1051.4	1071.2	1090.0	1109.3	1125.8	1139.2	1144.2
1017.9	10°	1023.4	1034.4	1059.7	1084.9	1111.1	1140.1	1164.9	1188.8	1207.6	1215.4
1035.3	12.5°	1043.6	1057.4	1090.5	1125.4	1161.7	1201.7	1233.8	1263.2	1286.7	1297.2
1059.7	15°	1069.8	1087.7	1130.0	1176.8	1230.2	1285.8	1326.7	1359.3	1385.5	1398.3
1084.9	17.5°	1098.3	1122.2	1175.5	1246.2	1322.5	1395.6	1443.4	1467.3	1494.4	1506.8
1108.4	20°	1125.8	1155.3	1231.5	1334.5	1436.0	1513.7	1552.3	1558.7	1560.6	1561.9
1130.4	22.5°	1154.3	1193.9	1301.8	1445.7	1554.6	1608.3	1613.9	1586.3	1547.7	1529.8
1152.0	25°	1185.6	1238.0	1393.7	1568.4	1656.6	1663.0	1620.8	1553.7	1480.6	1447.1
1169.5	27.5°	1215.9	1289.0	1504.0	1685.5	1730.1	1673.6	1582.6	1487.5	1399.3	1363.9
1181.9	30°	1246.2	1347.3	1625.8	1788.0	1763.7	1647.4	1522.4	1416.3	1327.6	1290.4
1192.9	32.5°	1277.0	1415.3	1766.0	1862.0	1757.7	1591.8	1447.5	1336.3	1258.2	1219.1
1202.6	35°	1311.9	1499.0	1898.8	1902.4	1717.7	1510.0	1348.7	1240.7	1172.7	1141.5
1214.1	37.5°	1357.4	1605.1	2015.9	1912.6	1647.9	1390.1	1226.0	1127.7	1071.6	1057.4
1231.1	40°	1414.0	1732.9	2105.6	1896.5	1544.5	1244.4	1091.8	1013.3	981.5	984.8
1254.0	42.5°	1487.5	1875.8	2168.5	1855.1	1400.6	1094.1	974.2	939.3	954.4	967.3
1288.5	45°	1583.1	2024.2	2207.6	1784.8	1238.0	966.8	904.8	913.1	924.6	925.9
1344.1	47.5°	1705.3	2174.5	2233.3	1678.7	1072.1	877.2	860.7	862.5	860.2	850.6
1427.3	50°	1857.9	2320.6	2256.3	1538.0	931.0	821.2	799.1	792.7	761.0	729.7
1538.0	52.5°	2031.6	2454.8	2265.9	1363.4	821.2	774.3	738.5	698.0	638.7	629.1
1677.3	55°	2224.6	2578.9	2241.1	1148.8	728.8	714.1	659.9	611.2	604.7	596.5
1860.6	57.5°	2455.3	2712.6	2190.6	909.4	634.1	643.8	591.0	596.5	585.0	572.1
2096.4	60°	2707.5	2850.9	2101.9	691.1	536.3	556.0	573.0	572.6	569.4	558.8
2345.0	62.5°	2934.5	2941.9	1927.3	529.4	450.3	488.0	534.4	534.0	531.2	525.2
2604.6	65°	3069.6	2928.1	1635.9	416.8	379.6	432.0	482.0	485.7	486.2	485.7
2799.9	67.5°	3045.7	2766.8	1236.1	331.8	321.2	375.0	430.1	435.2	438.8	439.8
2824.7	70°	2775.5	2412.5	806.0	264.7	269.3	324.9	380.9	386.0	389.2	392.9
2451.1	72.5°	2163.5	1773.8	461.4	214.1	223.8	281.7	332.2	338.2	340.0	346.9
1705.8	75°	1318.4	1043.1	249.1	168.6	183.8	240.8	284.0	290.9	294.1	302.4
837.7	77.5°	626.8	451.7	142.0	131.4	148.0	196.7	239.9	247.7	239.0	243.5
231.1	80°	211.8	167.7	89.6	100.2	113.0	153.5	192.1	199.9	181.5	180.6
76.7	82.5°	74.0	68.0	57.0	66.6	73.1	109.8	145.2	155.3	135.1	134.6
34.5	85°	29.0	27.6	31.7	36.3	43.7	67.6	95.6	100.6	83.2	67.1
10.1	87.5°	6.0	6.4	7.8	8.3	13.3	23.4	34.5	42.3	33.5	28.5
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°
990.7
1028.0
1082.2
1144.7
1215.9
1297.2
1397.4
1506.3
1565.6
1534.8
1452.1
1368.0
1294.5
1224.2
1148.4
1067.5
995.8
979.3
935.1
857.9
733.9
632.3
597.8
569.8
555.1
522.9
485.7
440.7
394.7
349.7
303.3
239.9
178.8
128.2
66.2
26.2
0.0

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