

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: P846673

Luminaire Tested: **GLAN-SB2B-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846673
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-SB2B-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7531 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

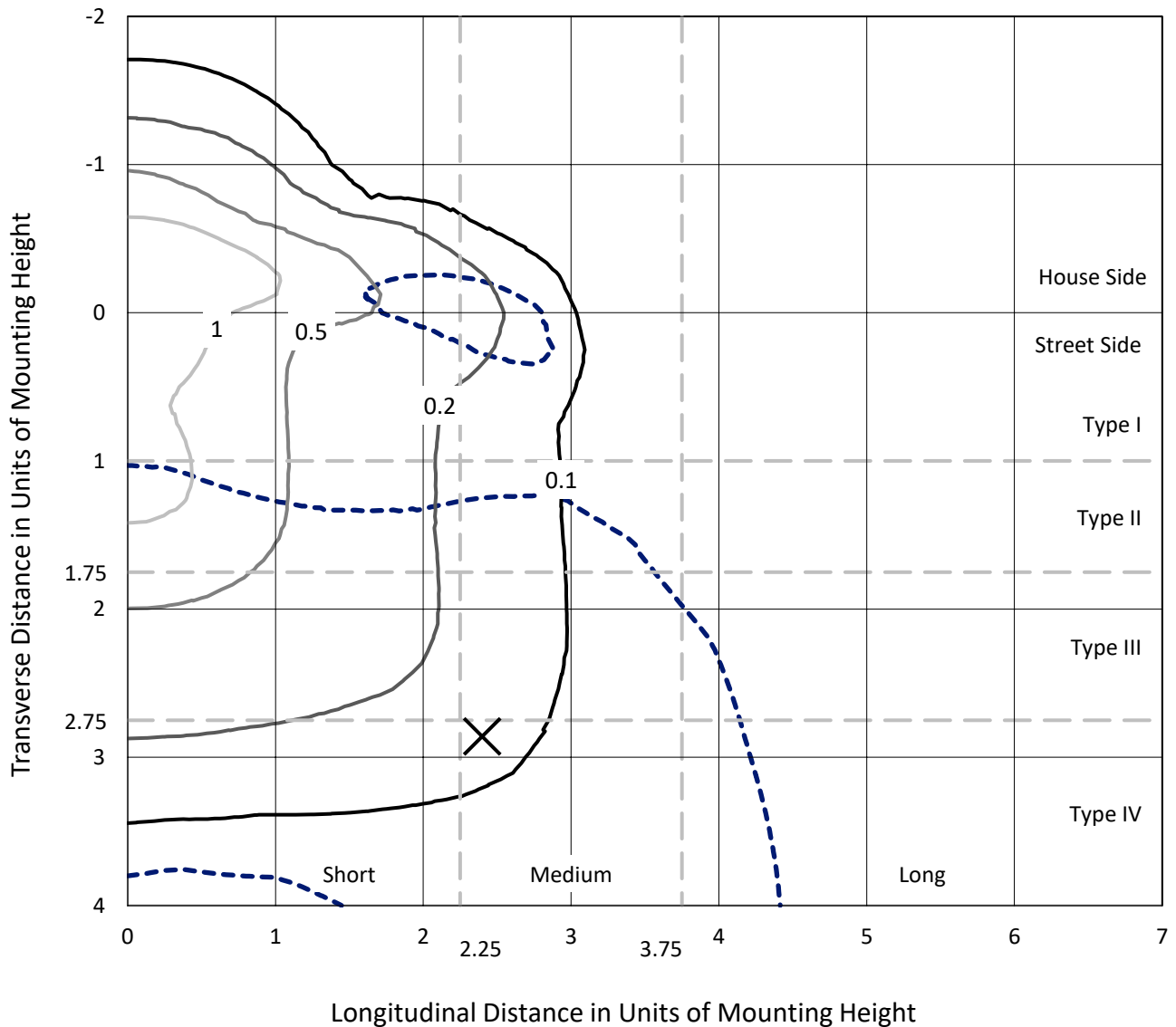
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

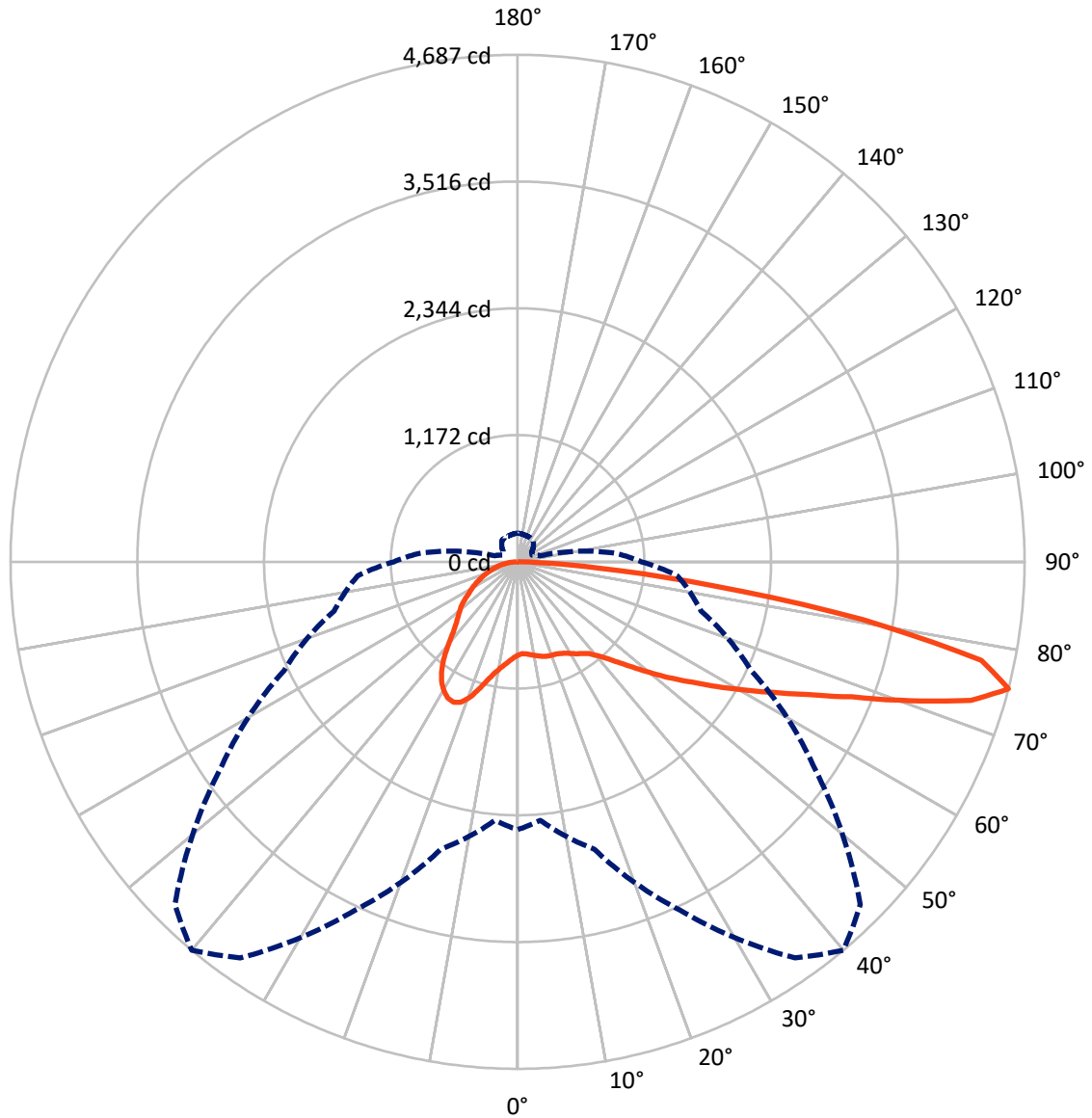
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	2333.4	0.0	2333.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5197.6	0.0	5197.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	7531.0	0.0	7531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.1
10°-20°	288.6	3.8
20°-30°	527.0	7.0
30°-40°	747.4	9.9
40°-50°	1009.2	13.4
50°-60°	1357.7	18.0
60°-70°	1723.2	22.9
70°-80°	1563.9	20.8
80°-90°	228.0	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°	7531.0	100.0
0°-180°	7531.0	100.0

Coefficient of Utilization

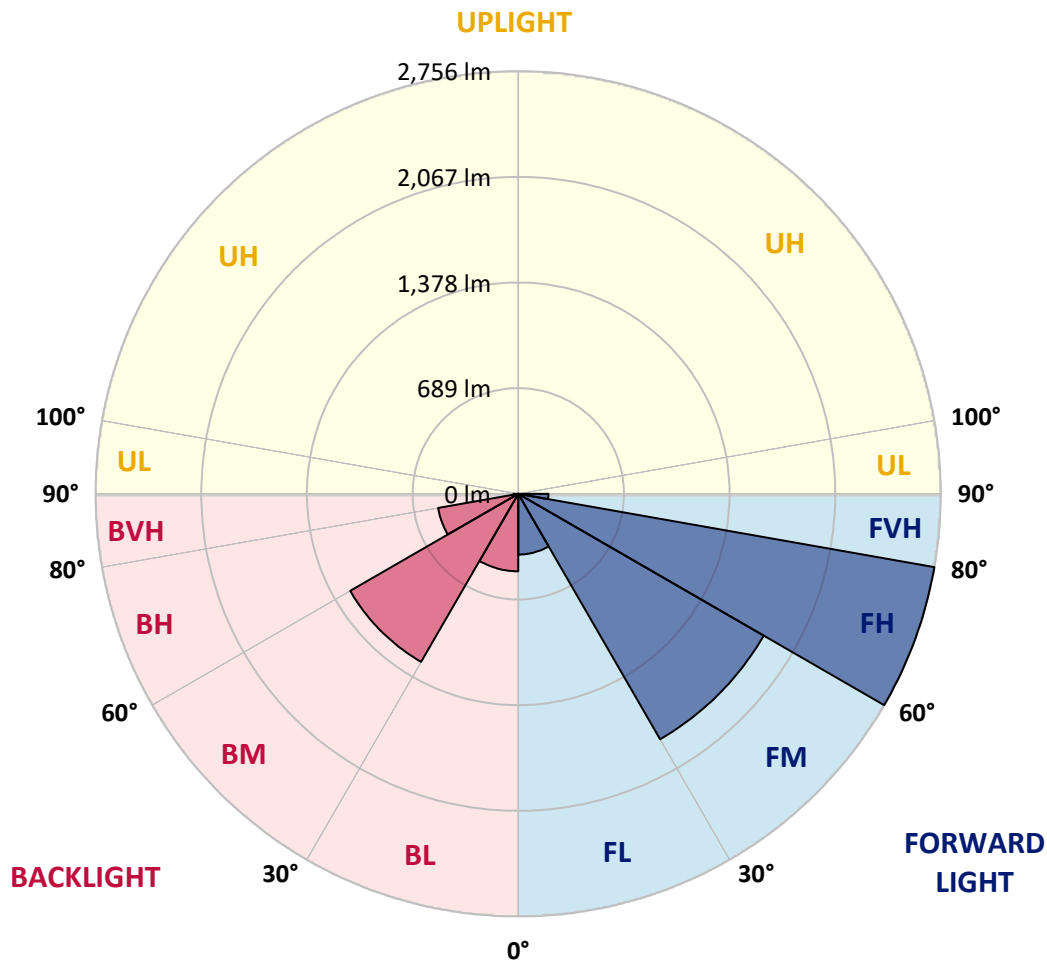


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.1	5.3			
FM (30°-60°)	1848.7	24.5			
FH (60°-80°)	2756.2	36.6			G2/5000
FVH (80°-90°)	196.6	2.6			G2/225
BL (0°-30°)	505.4	6.7	B2/1000		
BM (30°-60°)	1265.6	16.8	B2/2500		
BH (60°-80°)	530.9	7.0	B2/1000		G2/1000
BVH (80°-90°)	31.4	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°	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2
2.5°	848.0	852.8	851.6	850.0	850.0	850.4	850.0	852.8	855.6	858.4
5°	856.8	861.6	859.2	857.2	855.6	855.2	854.0	853.6	855.2	858.8
7.5°	874.0	878.8	875.2	871.6	868.4	866.8	865.2	862.8	861.6	863.6
10°	893.1	897.9	893.5	887.1	882.0	880.0	878.4	876.0	874.4	875.6
12.5°	912.3	917.1	911.1	902.3	895.5	894.3	892.3	891.5	891.1	890.7
15°	930.3	934.3	926.7	916.3	909.1	907.1	905.1	906.3	908.3	910.7
17.5°	944.3	948.3	937.1	923.5	916.7	915.9	914.7	918.7	924.3	930.3
20°	957.0	961.0	946.7	928.3	920.3	920.3	920.7	929.1	937.1	945.9
22.5°	975.0	978.2	960.6	935.5	923.9	924.7	927.9	936.3	946.3	958.2
25°	1001.8	1004.2	982.6	949.1	935.9	938.3	941.1	945.1	954.6	968.6
27.5°	1044.9	1046.9	1018.6	973.0	953.0	957.0	961.0	958.2	962.6	974.6
30°	1105.6	1106.8	1070.9	1010.6	982.2	984.2	985.0	973.4	965.0	974.6
32.5°	1177.5	1177.1	1134.4	1056.1	1015.4	1013.4	1006.6	983.8	964.2	972.6
35°	1289.0	1284.6	1229.5	1120.0	1052.9	1040.5	1024.5	995.4	968.2	970.6
37.5°	1473.5	1459.9	1383.6	1224.7	1108.8	1077.3	1053.7	1014.2	977.0	969.8
40°	1681.6	1664.4	1580.6	1368.1	1192.7	1142.0	1104.0	1040.9	991.4	973.4
42.5°	1928.5	1904.1	1813.8	1537.0	1299.0	1225.5	1168.3	1074.9	1012.6	985.0
45°	2231.6	2199.3	2071.5	1727.6	1432.8	1334.9	1258.6	1126.4	1044.9	1007.4
47.5°	2538.0	2546.0	2364.3	1945.6	1593.3	1469.9	1371.7	1203.9	1092.1	1043.3
50°	2863.5	2869.1	2655.4	2187.3	1775.5	1622.5	1498.7	1290.6	1157.6	1094.4
52.5°	3117.6	3118.4	2919.9	2440.1	1965.2	1790.3	1635.7	1389.6	1233.5	1162.4
55°	3276.6	3274.6	3105.2	2679.4	2183.3	1966.4	1787.5	1502.3	1326.1	1242.2
57.5°	3392.0	3386.0	3233.0	2885.1	2415.8	2174.5	1959.2	1630.1	1435.6	1337.3
60°	3435.9	3432.3	3319.7	3062.9	2660.2	2404.6	2157.3	1773.1	1559.8	1449.5
62.5°	3452.7	3459.5	3404.8	3235.0	2921.9	2659.4	2375.0	1944.0	1699.6	1576.6
65°	3511.8	3524.2	3513.0	3460.3	3217.4	2957.8	2663.8	2147.4	1852.2	1712.8
67.5°	3628.9	3641.2	3646.0	3729.9	3578.5	3329.7	3024.1	2400.6	2030.7	1854.2
70°	3626.1	3622.5	3707.1	3944.4	4030.7	3844.6	3509.8	2712.2	2243.6	1971.6
72.5°	3300.5	3271.8	3471.9	3942.0	4407.0	4382.2	4103.0	3114.0	2427.4	1986.0
75°	2476.1	2399.4	2752.9	3552.6	4469.7	4687.4	4480.1	3363.2	2383.8	1754.7
77.5°	1058.9	981.8	1398.4	2629.9	4000.3	4381.8	4134.1	2934.2	1902.9	1160.4
80°	277.2	276.8	422.6	1192.3	2720.5	3235.8	2838.8	1894.9	1087.3	414.6
82.5°	114.6	111.8	155.4	463.7	1329.3	1815.8	1481.9	845.2	392.6	112.2
85°	42.7	42.3	75.5	160.2	468.9	748.9	542.0	216.1	97.9	54.7
87.5°	12.0	11.6	16.4	55.5	114.2	173.4	92.7	35.5	27.6	21.6
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°
861.2	0°	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2
862.8	2.5°	864.0	866.0	869.6	872.4	876.0	880.0	885.5	889.1	892.7	895.1
864.8	5°	867.6	872.0	881.2	890.3	901.1	911.1	922.7	931.1	937.9	939.9
872.0	7.5°	875.6	882.7	898.3	913.9	931.1	947.5	964.2	978.6	990.2	994.6
884.7	10°	889.5	899.1	921.1	943.1	965.8	991.0	1012.6	1033.3	1049.7	1056.5
899.9	12.5°	907.1	919.1	947.9	978.2	1009.8	1044.5	1072.5	1098.0	1118.4	1127.6
921.1	15°	929.9	945.5	982.2	1023.0	1069.3	1117.6	1153.2	1181.5	1204.3	1215.5
943.1	17.5°	954.6	975.4	1021.8	1083.3	1149.6	1213.1	1254.6	1275.4	1299.0	1309.7
963.4	20°	978.6	1004.2	1070.5	1160.0	1248.2	1315.7	1349.3	1354.9	1356.5	1357.7
982.6	22.5°	1003.4	1037.7	1131.6	1256.6	1351.3	1398.0	1402.8	1378.8	1345.3	1329.7
1001.4	25°	1030.5	1076.1	1211.5	1363.3	1440.0	1445.6	1408.8	1350.5	1287.0	1257.8
1016.6	27.5°	1056.9	1120.4	1307.3	1465.1	1503.9	1454.7	1375.7	1293.0	1216.3	1185.5
1027.3	30°	1083.3	1171.1	1413.2	1554.2	1533.0	1432.0	1323.3	1231.1	1154.0	1121.6
1036.9	32.5°	1110.0	1230.3	1535.0	1618.5	1527.8	1383.6	1258.2	1161.6	1093.7	1059.7
1045.3	35°	1140.4	1303.0	1650.5	1653.7	1493.1	1312.5	1172.3	1078.5	1019.4	992.2
1055.3	37.5°	1179.9	1395.2	1752.3	1662.4	1432.4	1208.3	1065.7	980.2	931.5	919.1
1070.1	40°	1229.1	1506.3	1830.2	1648.5	1342.5	1081.7	949.1	880.8	853.2	856.0
1090.1	42.5°	1293.0	1630.5	1884.9	1612.5	1217.5	951.1	846.8	816.4	829.6	840.8
1120.0	45°	1376.1	1759.5	1918.9	1551.4	1076.1	840.4	786.5	793.7	803.7	804.9
1168.3	47.5°	1482.3	1890.1	1941.2	1459.1	931.9	762.5	748.1	749.7	747.7	739.4
1240.6	50°	1614.9	2017.1	1961.2	1336.9	809.3	713.8	694.6	689.0	661.5	634.3
1336.9	52.5°	1765.9	2133.8	1969.6	1185.1	713.8	673.0	641.9	606.7	555.2	546.8
1457.9	55°	1933.7	2241.6	1948.0	998.6	633.5	620.7	573.6	531.2	525.7	518.5
1617.3	57.5°	2134.2	2357.9	1904.1	790.5	551.2	559.6	513.7	518.5	508.5	497.3
1822.2	60°	2353.5	2478.1	1827.0	600.7	466.1	483.3	498.1	497.7	494.9	485.7
2038.3	62.5°	2550.8	2557.2	1675.2	460.1	391.4	424.2	464.5	464.1	461.7	456.6
2264.0	65°	2668.2	2545.2	1422.0	362.3	329.9	375.5	419.0	422.2	422.6	422.2
2433.8	67.5°	2647.4	2405.0	1074.5	288.4	279.2	325.9	373.9	378.3	381.5	382.3
2455.3	70°	2412.6	2097.0	700.6	230.1	234.1	282.4	331.1	335.5	338.3	341.5
2130.6	72.5°	1880.5	1541.8	401.0	186.1	194.5	244.9	288.8	294.0	295.6	301.6
1482.7	75°	1146.0	906.7	216.5	146.6	159.8	209.3	246.9	252.8	255.6	262.8
728.2	77.5°	544.8	392.6	123.4	114.2	128.6	171.0	208.5	215.3	207.7	211.7
200.9	80°	184.1	145.8	77.9	87.1	98.3	133.4	167.0	173.8	157.8	157.0
66.7	82.5°	64.3	59.1	49.5	57.9	63.5	95.5	126.2	135.0	117.4	117.0
30.0	85°	25.2	24.0	27.6	31.6	37.9	58.7	83.1	87.5	72.3	58.3
8.8	87.5°	5.2	5.6	6.8	7.2	11.6	20.4	30.0	36.7	29.2	24.8
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°
861.2
893.5
940.7
995.0
1056.9
1127.6
1214.7
1309.3
1360.9
1334.1
1262.2
1189.1
1125.2
1064.1
998.2
927.9
865.6
851.2
812.8
745.7
637.9
549.6
519.7
495.3
482.5
454.6
422.2
383.1
343.1
304.0
263.6
208.5
155.4
111.4
57.5
22.8
0.0

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