

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: P946560

Luminaire Tested: **GALN-SB2A-935-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB2A-935-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

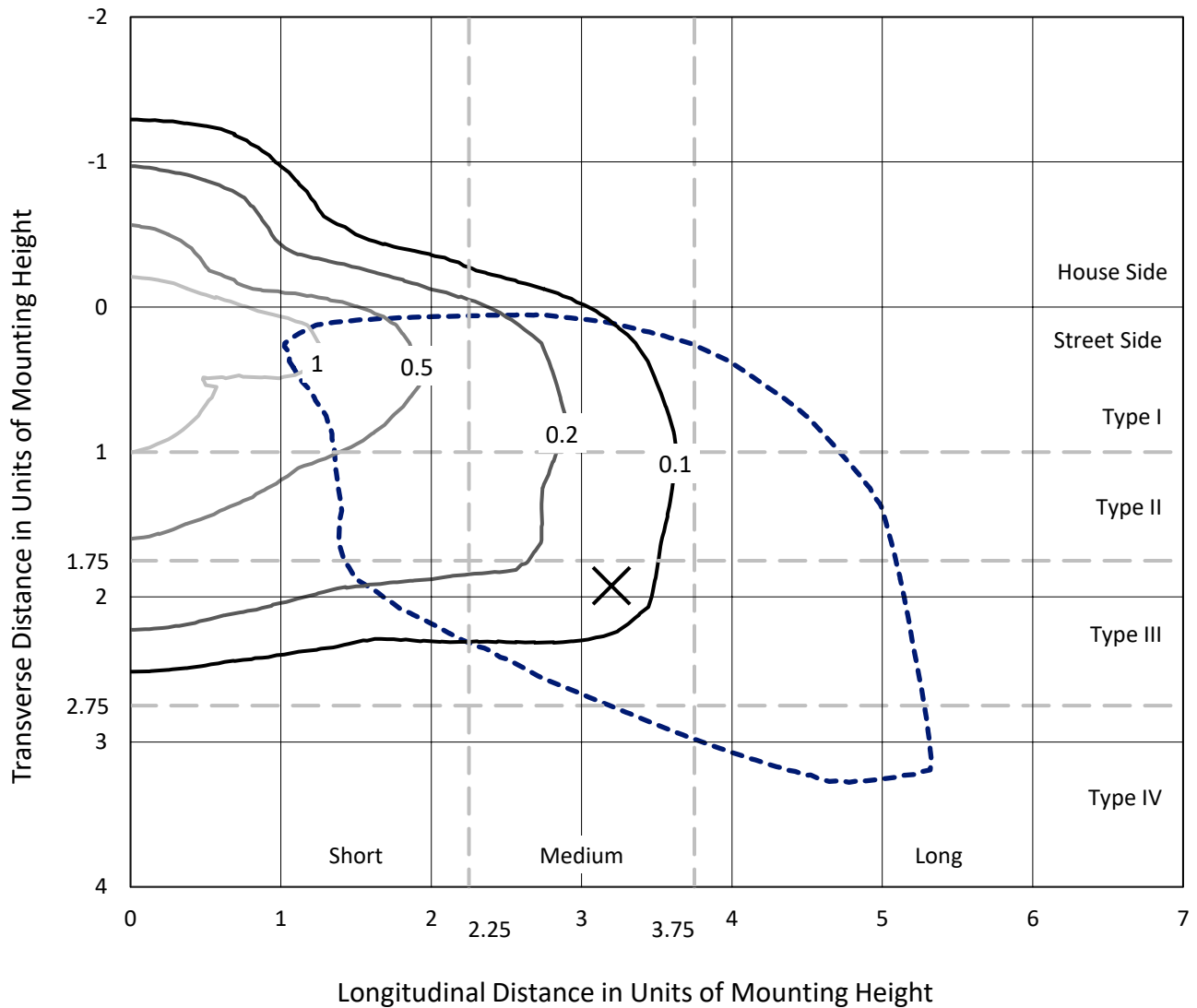
Lumens per Lamp: N/A  
Luminaire Lumens: 6099 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

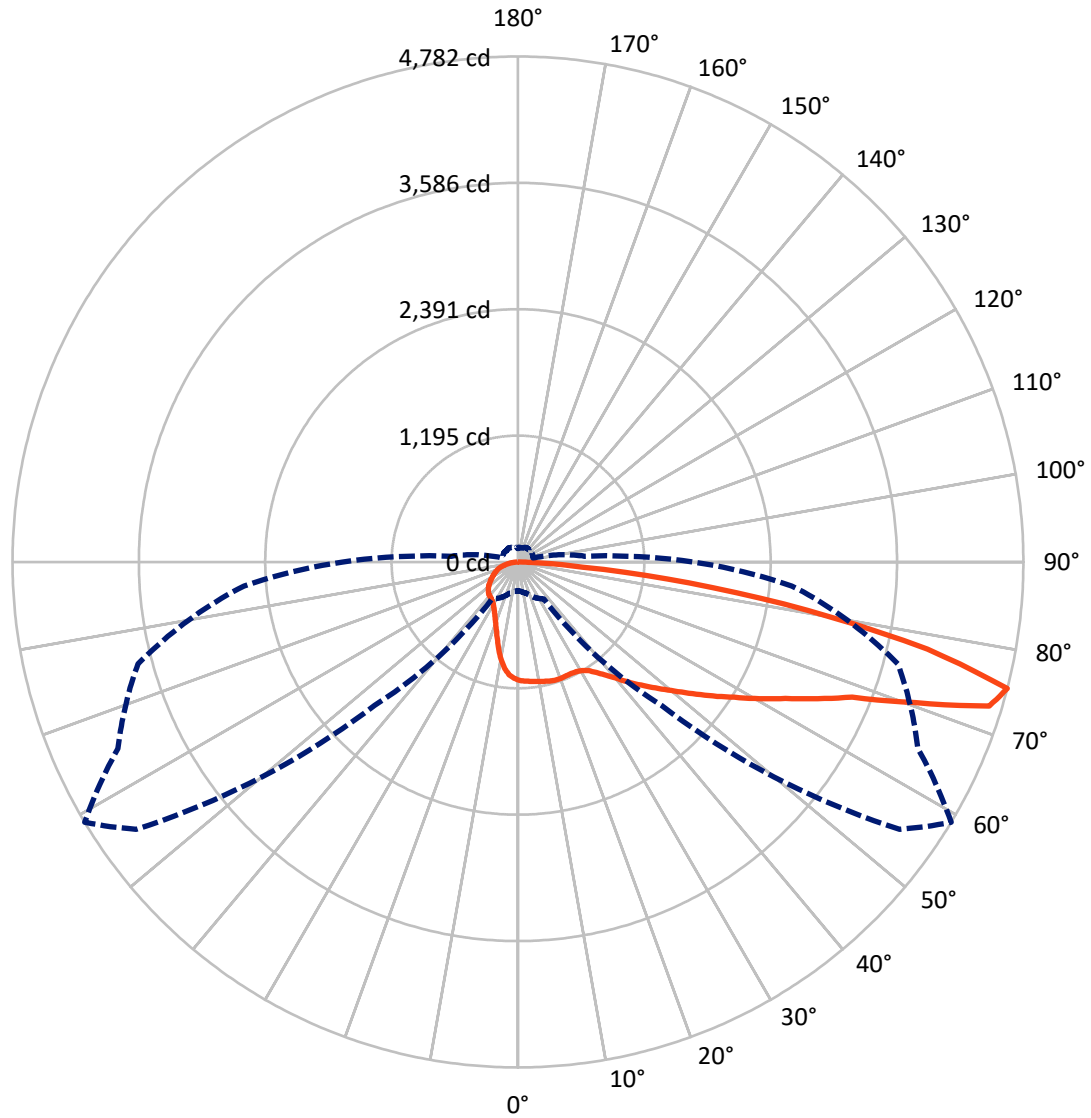
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1143.9	0.0	1143.9
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4955.1	0.0	4955.1
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	6099.0	0.0	6099.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.4	1.6
10°-20°	256.6	4.2
20°-30°	389.7	6.4
30°-40°	579.3	9.5
40°-50°	861.5	14.1
50°-60°	1169.4	19.2
60°-70°	1427.6	23.4
70°-80°	1120.4	18.4
80°-90°	194.1	3.2
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°	6099.0	100.0
0°-180°	6099.0	100.0

**Coefficient of Utilization**



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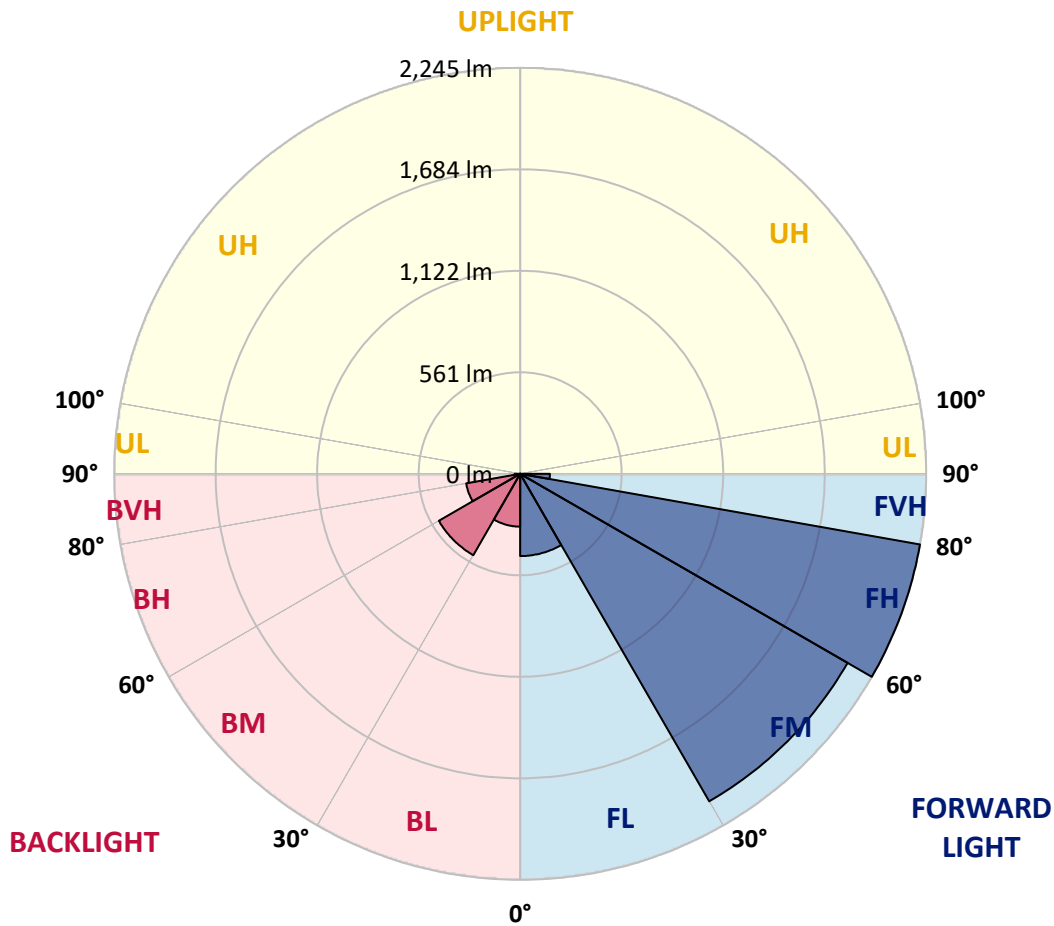
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.7	7.5			
FM (30°-60°)	2091.0	34.3			
FH (60°-80°)	2245.0	36.8			G2/5000
FVH (80°-90°)	164.4	2.7			G2/225
BL (0°-30°)	291.9	4.8	B1/500		
BM (30°-60°)	519.2	8.5	B1/1000		
BH (60°-80°)	303.1	5.0	B1/500		G1/500
BVH (80°-90°)	29.7	0.5			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5
2.5°	1129.0	1125.0	1129.0	1127.3	1126.7	1125.4	1125.7	1128.0	1126.7	1128.3
5°	1121.4	1119.1	1123.1	1122.1	1126.3	1127.0	1131.3	1133.9	1135.5	1135.9
7.5°	1109.0	1106.7	1112.2	1116.8	1126.0	1128.6	1137.5	1141.8	1144.1	1148.0
10°	1063.4	1062.4	1076.1	1093.5	1115.2	1128.6	1142.1	1149.3	1152.9	1163.4
12.5°	982.6	984.0	1002.0	1035.5	1078.8	1122.1	1147.3	1157.8	1163.4	1176.5
15°	905.5	905.2	924.9	960.7	1021.4	1093.2	1150.0	1168.0	1177.5	1196.9
17.5°	860.9	859.6	873.4	900.6	957.1	1048.9	1143.4	1173.6	1193.9	1218.2
20°	852.7	850.1	857.3	870.8	910.8	1000.4	1126.3	1173.6	1207.1	1238.6
22.5°	882.6	878.3	875.4	873.7	891.4	960.3	1107.0	1169.7	1226.4	1267.8
25°	942.6	936.1	921.0	906.2	900.9	942.3	1089.9	1168.7	1255.3	1307.1
27.5°	1039.7	1031.5	1001.0	965.6	933.8	951.5	1082.4	1174.6	1287.1	1348.8
30°	1160.1	1151.3	1112.9	1058.4	1001.3	985.6	1091.9	1192.0	1327.8	1404.2
32.5°	1268.1	1258.2	1225.4	1170.0	1092.9	1044.7	1122.1	1225.1	1391.8	1481.3
35°	1363.9	1352.4	1322.9	1271.7	1205.1	1127.7	1176.5	1283.8	1482.7	1606.7
37.5°	1457.7	1444.3	1412.1	1358.0	1311.4	1238.2	1251.7	1359.3	1603.4	1758.9
40°	1562.7	1543.4	1504.3	1450.8	1405.6	1367.8	1350.4	1451.8	1726.1	1928.9
42.5°	1664.4	1646.0	1599.5	1553.9	1497.1	1486.3	1464.9	1560.1	1860.3	2115.6
45°	1774.0	1752.0	1695.6	1637.8	1602.1	1565.0	1575.8	1668.4	1991.9	2305.8
47.5°	1876.7	1852.1	1785.5	1721.2	1701.5	1631.3	1677.5	1787.5	2128.7	2498.8
50°	1932.1	1907.9	1852.4	1794.3	1778.9	1713.0	1787.8	1918.4	2272.1	2691.0
52.5°	1978.4	1952.2	1879.7	1847.5	1842.9	1801.9	1923.6	2068.0	2415.4	2861.0
55°	2027.6	1998.4	1905.9	1877.0	1898.0	1901.6	2084.7	2237.6	2567.0	3026.7
57.5°	2084.4	2047.3	1931.2	1902.0	1951.8	2018.4	2269.8	2413.5	2716.0	3180.2
60°	2137.9	2100.5	1979.7	1941.7	2009.9	2153.9	2482.0	2626.4	2884.6	3317.0
62.5°	2148.4	2117.5	2018.4	2018.1	2088.6	2312.1	2733.4	2841.3	3031.9	3452.2
65°	1966.6	1947.2	1888.5	2015.2	2201.5	2539.8	3013.2	3116.2	3219.3	3570.3
67.5°	1496.8	1499.4	1495.1	1739.6	2110.3	2866.9	3418.4	3410.5	3450.6	3702.9
70°	684.4	699.8	800.2	1200.8	1690.7	2904.6	4088.4	3986.3	3740.9	3874.5
72.5°	369.8	381.6	422.6	581.7	1016.4	2582.4	4589.1	4661.6	4127.1	3990.0
75°	271.3	277.9	306.4	369.8	426.9	1919.4	4409.6	4781.6	4175.3	3720.6
77.5°	203.1	206.0	229.3	293.0	218.5	1011.8	3523.4	3960.1	3574.3	3056.9
80°	147.3	150.6	168.0	219.8	153.2	370.1	2419.4	2779.6	2447.9	1948.6
82.5°	101.7	103.0	110.6	149.6	107.0	143.7	1372.7	1630.0	1366.5	683.7
85°	61.4	63.0	66.3	87.3	60.7	68.2	592.5	612.9	408.5	163.4
87.5°	25.3	26.9	29.5	36.7	24.0	19.0	97.8	122.7	76.4	47.9
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°
1119.5	0°	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5	1119.5
1122.7	2.5°	1121.1	1118.8	1112.6	1104.0	1096.2	1086.3	1082.1	1078.4	1075.2	1068.9
1131.6	5°	1128.0	1121.8	1105.0	1083.4	1058.8	1031.9	1005.6	987.6	972.1	960.7
1141.8	7.5°	1138.5	1126.7	1096.2	1051.9	995.4	937.7	885.5	848.5	820.6	810.4
1156.2	10°	1149.3	1135.2	1082.1	1004.0	906.5	817.6	748.4	710.3	688.0	680.8
1173.3	12.5°	1162.1	1141.4	1060.1	937.4	807.1	709.7	649.3	627.0	615.5	611.6
1194.3	15°	1180.8	1146.7	1026.9	854.0	712.3	630.9	591.9	576.5	570.6	570.2
1215.9	17.5°	1194.9	1147.7	975.4	764.8	639.5	583.4	551.2	545.3	549.2	555.1
1237.2	20°	1210.7	1138.8	907.8	683.4	588.3	541.7	528.2	532.2	541.7	550.2
1265.5	22.5°	1221.8	1122.7	826.1	620.1	544.0	517.7	517.1	525.3	530.5	534.8
1298.6	25°	1231.7	1095.5	739.5	566.9	507.6	503.3	510.5	507.9	504.3	507.9
1331.7	27.5°	1238.9	1052.5	662.1	520.4	482.0	493.5	489.2	483.3	483.0	484.9
1370.8	30°	1236.6	995.1	598.4	476.1	463.9	475.1	464.9	463.9	462.9	463.9
1429.5	32.5°	1236.6	929.8	549.6	445.6	452.4	448.2	447.2	444.9	441.0	440.6
1509.2	35°	1243.5	864.5	507.6	429.1	442.9	432.8	433.4	427.8	419.6	415.7
1614.9	37.5°	1257.6	812.0	465.9	421.3	426.2	425.9	423.2	413.7	399.3	386.8
1746.8	40°	1291.7	796.6	437.3	417.7	418.3	422.3	415.4	397.0	364.2	343.8
1880.6	42.5°	1345.2	822.5	431.1	408.8	413.1	417.0	403.6	360.9	337.6	325.5
2021.1	45°	1413.1	867.8	444.6	396.0	400.6	407.5	367.5	347.1	336.6	337.0
2160.2	47.5°	1499.1	915.4	469.5	384.9	382.6	386.5	343.5	331.0	316.6	320.2
2293.7	50°	1598.5	963.6	493.1	369.8	362.5	349.7	328.1	316.3	297.9	289.4
2422.6	52.5°	1706.1	1010.2	502.6	351.4	340.9	326.1	317.6	303.2	280.8	266.7
2544.4	55°	1808.1	1052.5	492.1	329.4	319.2	307.8	306.4	297.6	273.6	253.9
2652.6	57.5°	1904.6	1088.0	465.9	307.1	297.3	290.4	299.2	295.0	264.8	239.5
2755.0	60°	1986.3	1112.2	427.8	284.5	277.6	274.0	287.4	286.1	252.3	224.1
2846.9	62.5°	2051.2	1121.8	385.8	262.8	261.2	254.6	271.0	271.0	236.6	209.0
2927.6	65°	2102.1	1112.6	343.2	241.5	244.8	234.9	251.0	249.0	219.8	195.5
3020.4	67.5°	2147.0	1082.4	295.9	220.5	228.0	215.6	230.0	225.4	201.4	182.1
3100.8	70°	2167.1	1012.2	242.1	199.5	208.7	196.5	209.0	200.5	180.8	167.7
3012.6	72.5°	2006.3	841.2	190.6	177.5	185.4	175.5	186.4	176.5	158.5	152.6
2601.5	75°	1659.8	631.3	146.7	153.5	159.5	151.9	159.1	151.9	135.5	139.8
1921.6	77.5°	1205.4	426.2	112.2	128.3	130.9	127.0	133.2	125.0	110.2	109.3
957.7	80°	599.4	249.7	87.9	101.4	100.4	97.8	105.0	101.1	88.6	93.8
258.5	82.5°	173.6	107.0	64.0	71.2	69.2	69.9	75.1	77.1	115.5	114.5
80.4	85°	54.5	42.0	38.4	39.7	37.7	38.7	44.3	87.9	81.4	47.6
24.9	87.5°	14.1	14.4	9.5	10.2	10.5	12.5	14.1	53.5	25.6	16.7
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°  
1119.5  
1066.0  
951.1  
792.7  
669.6  
612.6  
571.5  
557.4  
553.2  
537.1  
510.2  
488.2  
467.5  
444.9  
419.6  
391.1  
346.5  
325.5  
338.6  
329.4  
291.7  
266.4  
253.9  
238.2  
223.1  
208.0  
194.2  
180.8  
165.0  
147.6  
*127.6*  
104.3  
92.9  
117.1  
51.5  
17.7  
0.0

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