

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: P939142

Luminaire Tested: **GALN-SB1C-835-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6888 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

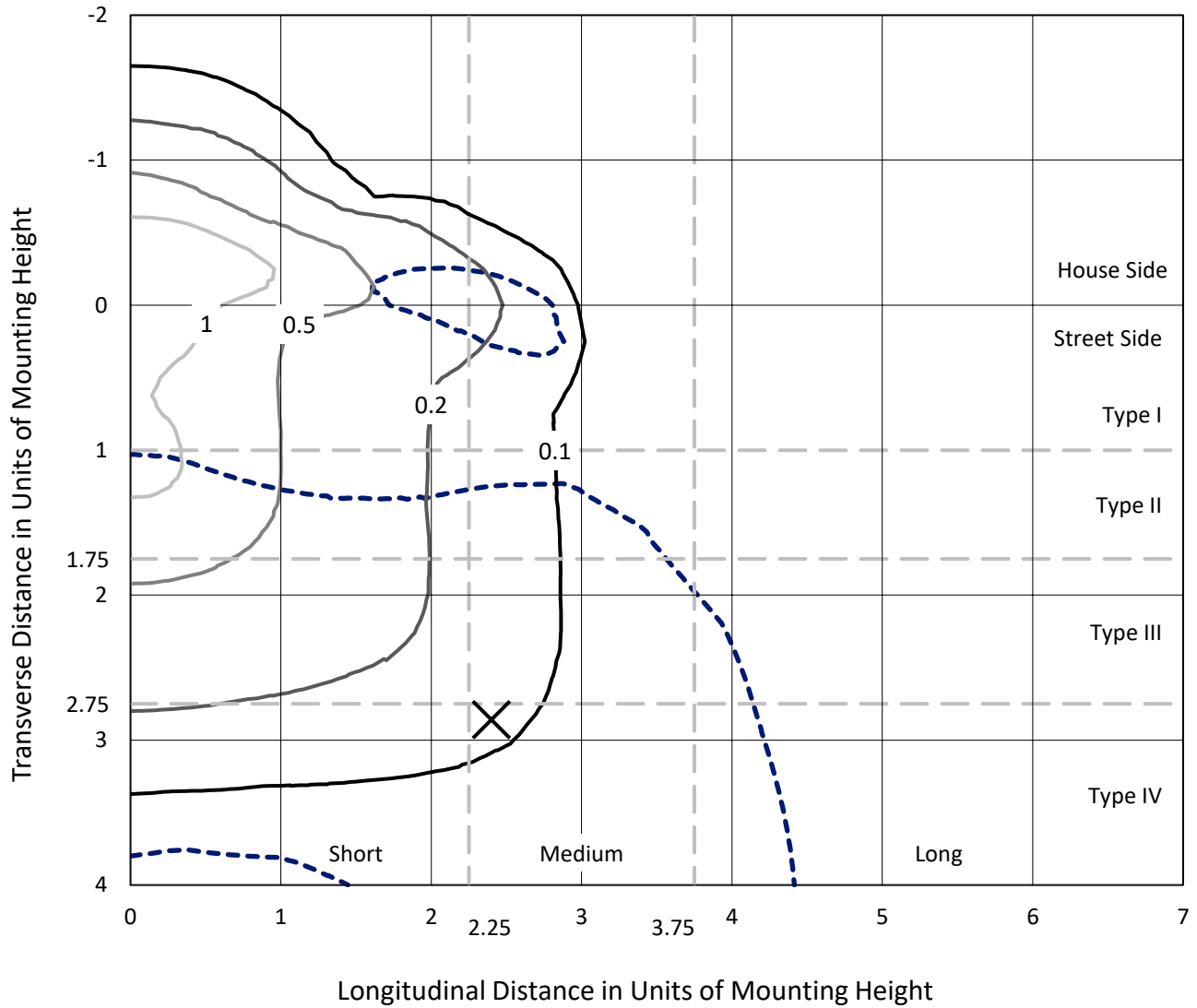
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

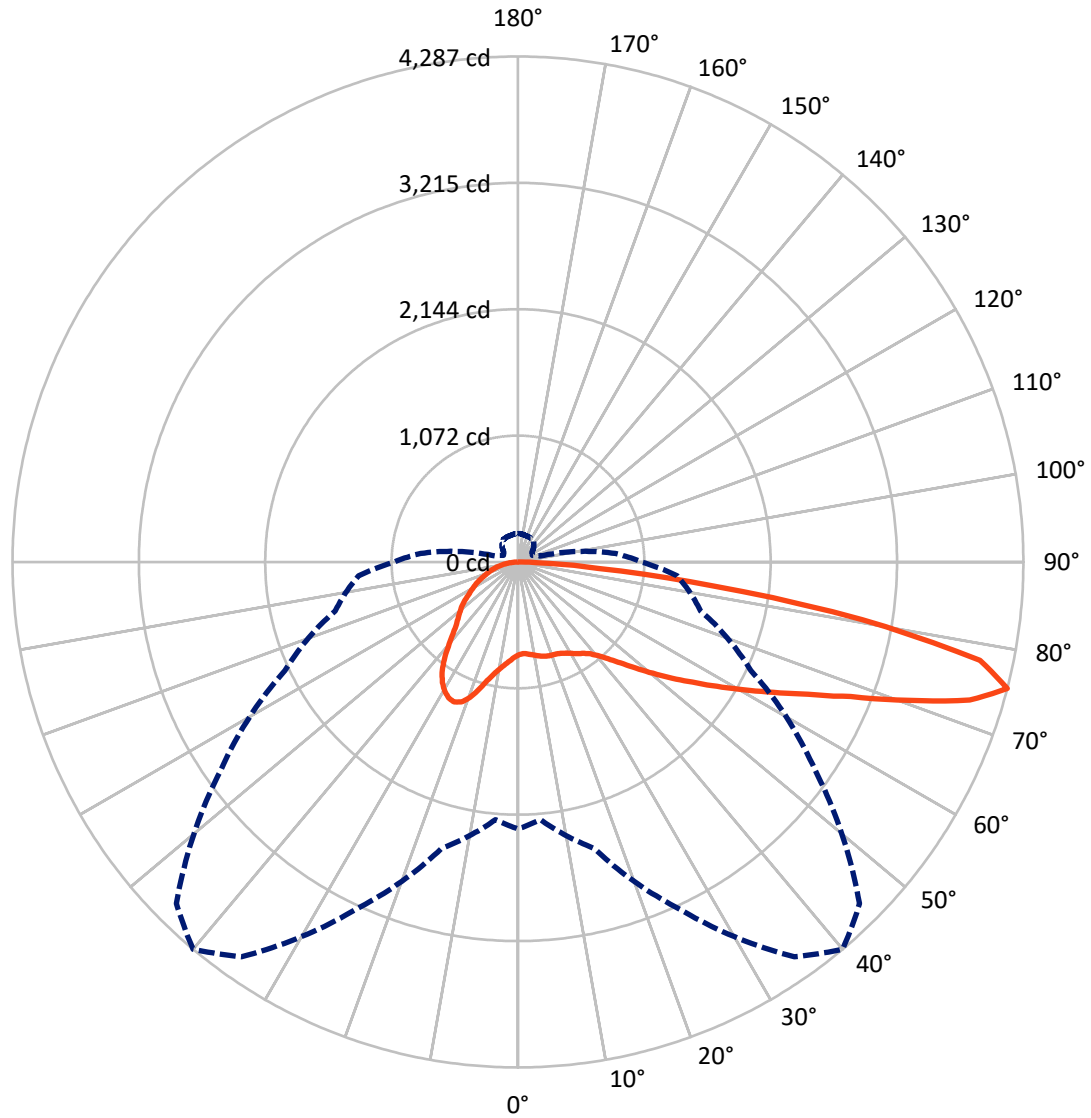
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	2134.1	0.0	2134.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4753.9	0.0	4753.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	6888.0	0.0	6888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	1.1
10°-20°	264.0	3.8
20°-30°	482.0	7.0
30°-40°	683.6	9.9
40°-50°	923.1	13.4
50°-60°	1241.8	18.0
60°-70°	1576.1	22.9
70°-80°	1430.4	20.8
80°-90°	208.5	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°	6888.0	100.0
0°-180°	6888.0	100.0

Coefficient of Utilization



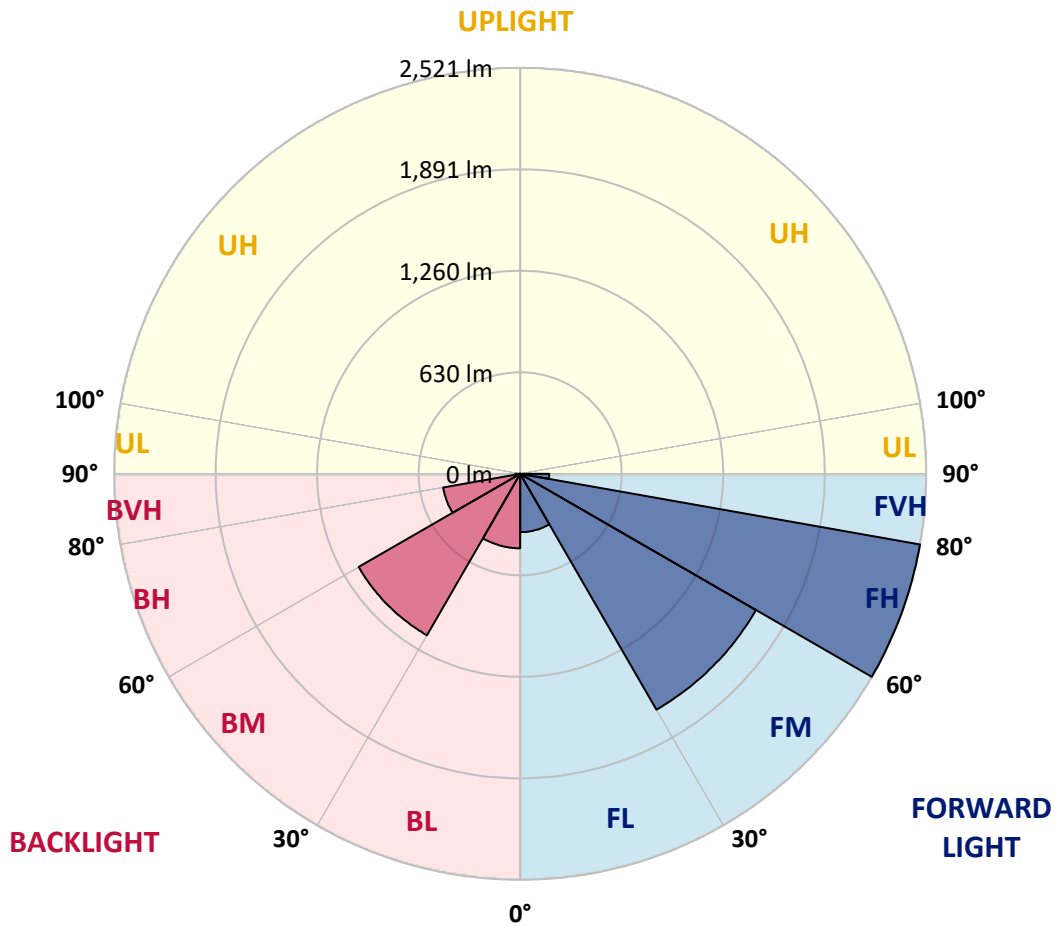
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.3	5.3			
FM (30°-60°)	1690.8	24.5			
FH (60°-80°)	2520.9	36.6			G2/5000
FVH (80°-90°)	179.8	2.6			G2/225
BL (0°-30°)	462.3	6.7	B1/500		
BM (30°-60°)	1157.6	16.8	B2/2500		
BH (60°-80°)	485.6	7.0	B1/500		G1/500
BVH (80°-90°)	28.7	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°	787.7	787.7	787.7	787.7	787.7	787.7	787.7	787.7	787.7	787.7
2.5°	775.6	780.0	778.9	777.4	777.4	777.8	777.4	780.0	782.5	785.1
5°	783.6	788.0	785.8	784.0	782.5	782.2	781.1	780.7	782.2	785.5
7.5°	799.3	803.7	800.4	797.2	794.2	792.8	791.3	789.1	788.0	789.8
10°	816.9	821.3	817.2	811.4	806.6	804.8	803.4	801.2	799.7	800.8
12.5°	834.4	838.8	833.3	825.3	819.1	818.0	816.1	815.4	815.1	814.7
15°	850.9	854.5	847.6	838.1	831.5	829.7	827.8	828.9	830.8	833.0
17.5°	863.6	867.3	857.1	844.6	838.4	837.7	836.6	840.3	845.4	850.9
20°	875.3	879.0	865.8	849.0	841.7	841.7	842.1	849.8	857.1	865.1
22.5°	891.8	894.7	878.6	855.6	845.0	845.7	848.7	856.3	865.5	876.4
25°	916.2	918.4	898.7	868.0	856.0	858.2	860.7	864.4	873.1	885.9
27.5°	955.7	957.5	931.6	889.9	871.7	875.3	879.0	876.4	880.4	891.4
30°	1011.2	1012.3	979.5	924.3	898.3	900.2	900.9	890.3	882.6	891.4
32.5°	1077.0	1076.6	1037.5	965.9	928.7	926.8	920.6	899.8	881.9	889.6
35°	1178.9	1174.9	1124.5	1024.4	963.0	951.7	937.1	910.4	885.6	887.8
37.5°	1347.7	1335.3	1265.5	1120.1	1014.2	985.3	963.7	927.6	893.6	887.0
40°	1538.0	1522.3	1445.6	1251.3	1090.9	1044.5	1009.8	952.1	906.7	890.3
42.5°	1763.8	1741.5	1659.0	1405.8	1188.1	1120.8	1068.6	983.1	926.1	900.9
45°	2041.1	2011.5	1894.6	1580.1	1310.4	1220.9	1151.2	1030.2	955.7	921.4
47.5°	2321.3	2328.6	2162.4	1779.5	1457.3	1344.4	1254.5	1101.1	998.8	954.2
50°	2619.1	2624.2	2428.7	2000.5	1623.9	1484.0	1370.7	1180.4	1058.7	1001.0
52.5°	2851.4	2852.1	2670.6	2231.8	1797.4	1637.4	1496.0	1271.0	1128.1	1063.1
55°	2996.8	2995.0	2840.1	2450.6	1996.9	1798.5	1634.9	1374.0	1212.9	1136.2
57.5°	3102.4	3096.9	2957.0	2638.8	2209.5	1988.9	1791.9	1490.9	1313.0	1223.1
60°	3142.6	3139.3	3036.3	2801.4	2433.1	2199.3	1973.1	1621.7	1426.6	1325.8
62.5°	3157.9	3164.1	3114.1	2958.8	2672.4	2432.4	2172.3	1778.1	1554.5	1442.0
65°	3212.0	3223.3	3213.1	3164.9	2942.7	2705.3	2436.4	1964.0	1694.0	1566.5
67.5°	3319.0	3330.4	3334.7	3411.5	3273.0	3045.4	2765.9	2195.6	1857.3	1695.9
70°	3316.5	3313.2	3390.6	3607.6	3686.5	3516.3	3210.2	2480.6	2052.1	1803.3
72.5°	3018.7	2992.4	3175.5	3605.4	4030.7	4008.0	3752.7	2848.1	2220.1	1816.4
75°	2264.7	2194.5	2517.9	3249.2	4088.0	4287.2	4097.5	3076.1	2180.3	1604.9
77.5°	968.5	898.0	1279.0	2405.3	3658.8	4007.7	3781.2	2683.7	1740.4	1061.3
80°	253.5	253.2	386.5	1090.5	2488.3	2959.5	2596.4	1733.1	994.4	379.2
82.5°	104.8	102.3	142.1	424.1	1215.8	1660.8	1355.4	773.0	359.1	102.7
85°	39.1	38.7	69.0	146.5	428.9	685.0	495.8	197.6	89.5	50.1
87.5°	11.0	10.6	15.0	50.8	104.5	158.6	84.8	32.5	25.2	19.7
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°
787.7	0°	787.7	787.7	787.7	787.7	787.7	787.7	787.7	787.7	787.7	787.7
789.1	2.5°	790.2	792.0	795.3	797.9	801.2	804.8	809.9	813.2	816.5	818.7
790.9	5°	793.5	797.5	805.9	814.3	824.2	833.3	843.9	851.6	857.8	859.6
797.5	7.5°	800.8	807.4	821.6	835.9	851.6	866.6	881.9	895.1	905.7	909.7
809.2	10°	813.6	822.4	842.5	862.5	883.4	906.4	926.1	945.1	960.1	966.3
823.1	12.5°	829.7	840.6	866.9	894.7	923.6	955.3	980.9	1004.3	1022.9	1031.3
842.5	15°	850.5	864.7	898.3	935.6	978.0	1022.2	1054.7	1080.6	1101.5	1111.7
862.5	17.5°	873.1	892.1	934.5	990.8	1051.4	1109.5	1147.5	1166.5	1188.1	1197.9
881.2	20°	895.1	918.4	979.1	1060.9	1141.7	1203.4	1234.1	1239.2	1240.7	1241.8
898.7	22.5°	917.7	949.1	1035.0	1149.3	1235.9	1278.7	1283.0	1261.1	1230.4	1216.2
915.9	25°	942.6	984.2	1108.0	1246.9	1317.0	1322.1	1288.5	1235.2	1177.1	1150.4
929.8	27.5°	966.7	1024.8	1195.7	1340.0	1375.5	1330.5	1258.2	1182.6	1112.4	1084.3
939.6	30°	990.8	1071.1	1292.5	1421.5	1402.1	1309.7	1210.3	1125.9	1055.4	1025.8
948.4	32.5°	1015.3	1125.2	1404.0	1480.3	1397.4	1265.5	1150.8	1062.4	1000.3	969.2
956.1	35°	1043.0	1191.7	1509.5	1512.5	1365.6	1200.5	1072.2	986.4	932.3	907.5
965.2	37.5°	1079.2	1276.1	1602.7	1520.5	1310.1	1105.1	974.7	896.5	852.0	840.6
978.7	40°	1124.1	1377.7	1673.9	1507.7	1227.9	989.3	868.0	805.6	780.3	782.9
997.0	42.5°	1182.6	1491.3	1724.0	1474.8	1113.5	869.9	774.5	746.7	758.8	769.0
1024.4	45°	1258.6	1609.3	1755.0	1418.9	984.2	768.7	719.3	725.9	735.0	736.1
1068.6	47.5°	1355.7	1728.7	1775.5	1334.6	852.3	697.4	684.3	685.7	683.9	676.2
1134.7	50°	1477.0	1844.9	1793.8	1222.8	740.2	652.8	635.3	630.2	605.0	580.1
1222.8	52.5°	1615.1	1951.6	1801.4	1083.9	652.8	615.6	587.1	554.9	507.8	500.1
1333.5	55°	1768.6	2050.2	1781.7	913.3	579.4	567.7	524.6	485.9	480.8	474.2
1479.2	57.5°	1952.0	2156.5	1741.5	723.0	504.2	511.8	469.8	474.2	465.1	454.8
1666.6	60°	2152.5	2266.5	1671.0	549.5	426.3	442.0	455.6	455.2	452.6	444.2
1864.3	62.5°	2333.0	2338.8	1532.2	420.9	358.0	388.0	424.9	424.5	422.3	417.6
2070.7	65°	2440.4	2327.9	1300.6	331.4	301.8	343.4	383.2	386.2	386.5	386.2
2226.0	67.5°	2421.4	2199.7	982.7	263.8	255.4	298.1	341.9	346.0	348.9	349.6
2245.7	70°	2206.6	1918.0	640.8	210.4	214.1	258.3	302.9	306.9	309.4	312.4
1948.7	72.5°	1720.0	1410.2	366.8	170.2	177.9	223.9	264.1	268.9	270.3	275.8
1356.1	75°	1048.1	829.3	198.0	134.1	146.1	191.4	225.8	231.3	233.8	240.4
666.0	77.5°	498.3	359.1	112.9	104.5	117.6	156.4	190.7	196.9	190.0	193.6
183.8	80°	168.4	133.3	71.2	79.6	89.9	122.0	152.7	158.9	144.3	143.6
61.0	82.5°	58.8	54.1	45.3	53.0	58.1	87.3	115.4	123.5	107.4	107.0
27.4	85°	23.0	21.9	25.2	28.9	34.7	53.7	76.0	80.0	66.1	53.3
8.0	87.5°	4.7	5.1	6.2	6.6	10.6	18.6	27.4	33.6	26.7	22.7
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°
787.7
817.2
860.4
910.0
966.7
1031.3
1111.0
1197.6
1244.7
1220.2
1154.4
1087.6
1029.1
973.2
913.0
848.7
791.7
778.5
743.4
682.1
583.4
502.7
475.3
453.0
441.3
415.7
386.2
350.4
313.8
278.0
241.1
190.7
142.1
101.9
52.6
20.8
0.0

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