

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: P846616

Luminaire Tested: **GLAN-SB2B-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8896 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

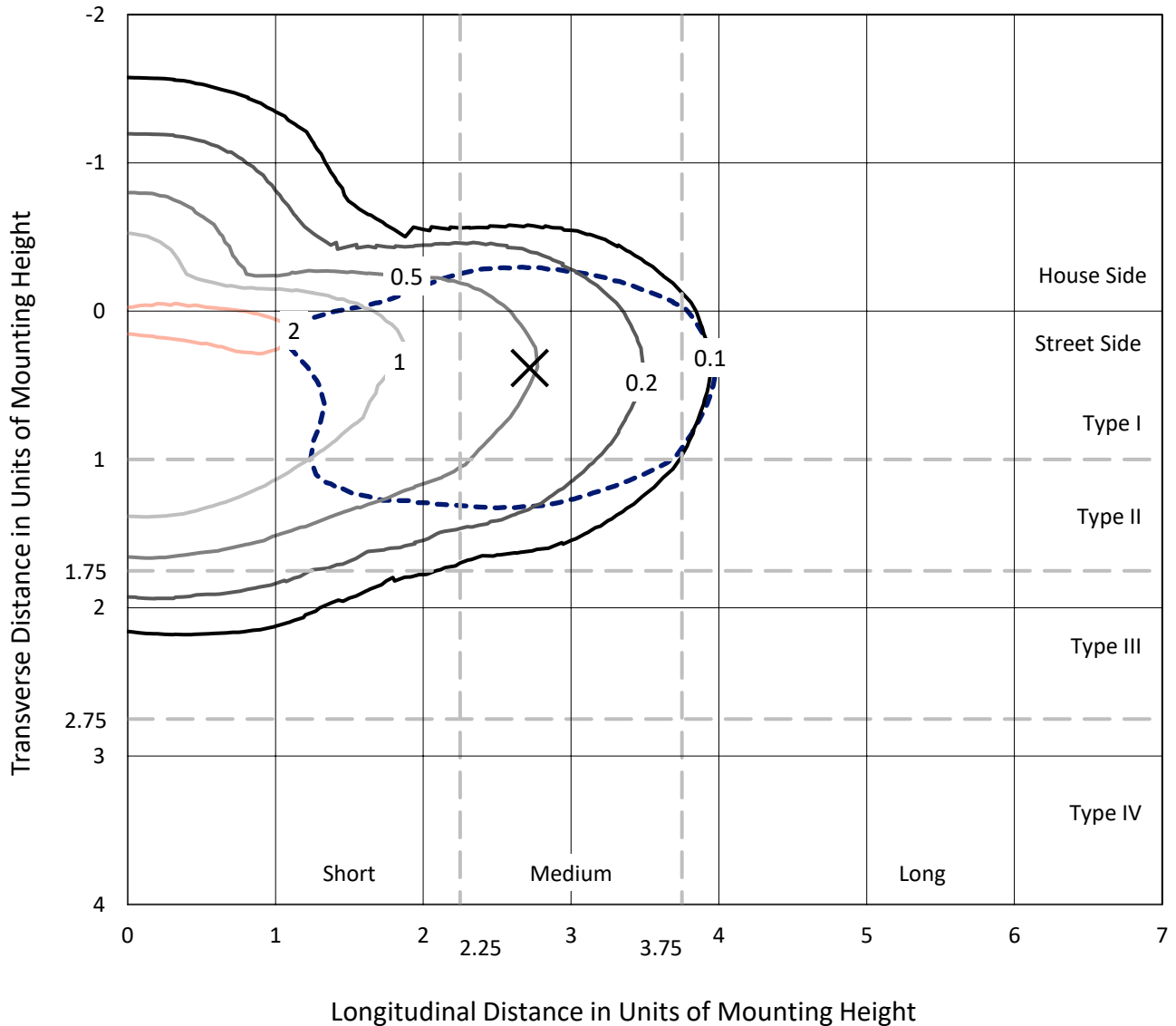
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

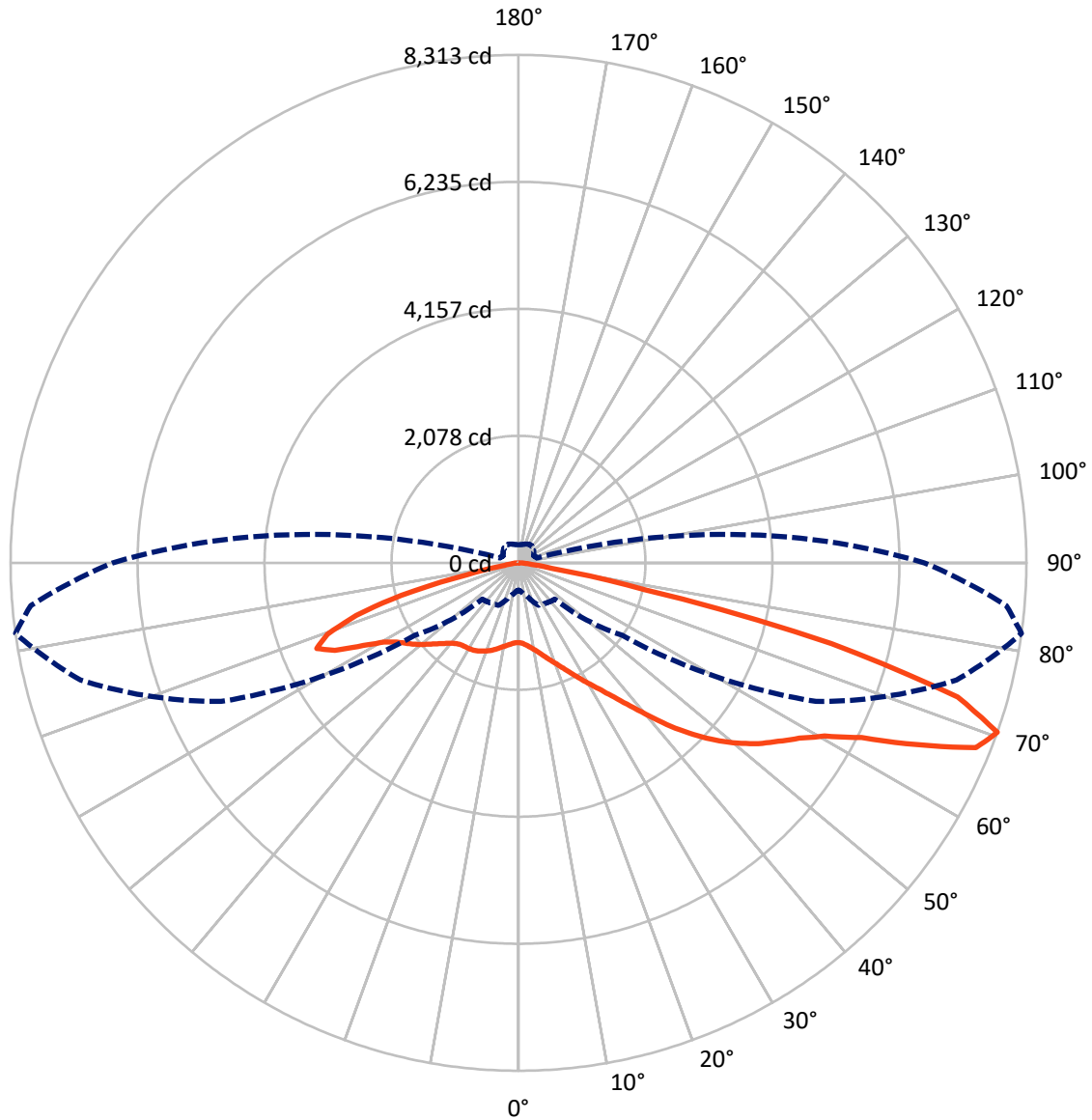
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2193.1	0.0	2193.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6702.9	0.0	6702.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	8896.0	0.0	8896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	1.4
10°-20°	353.8	4.0
20°-30°	591.9	6.7
30°-40°	924.7	10.4
40°-50°	1472.6	16.6
50°-60°	2049.4	23.0
60°-70°	2143.7	24.1
70°-80°	1120.4	12.6
80°-90°	116.3	1.3
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°	8896.0	100.0
0°-180°	8896.0	100.0

Coefficient of Utilization

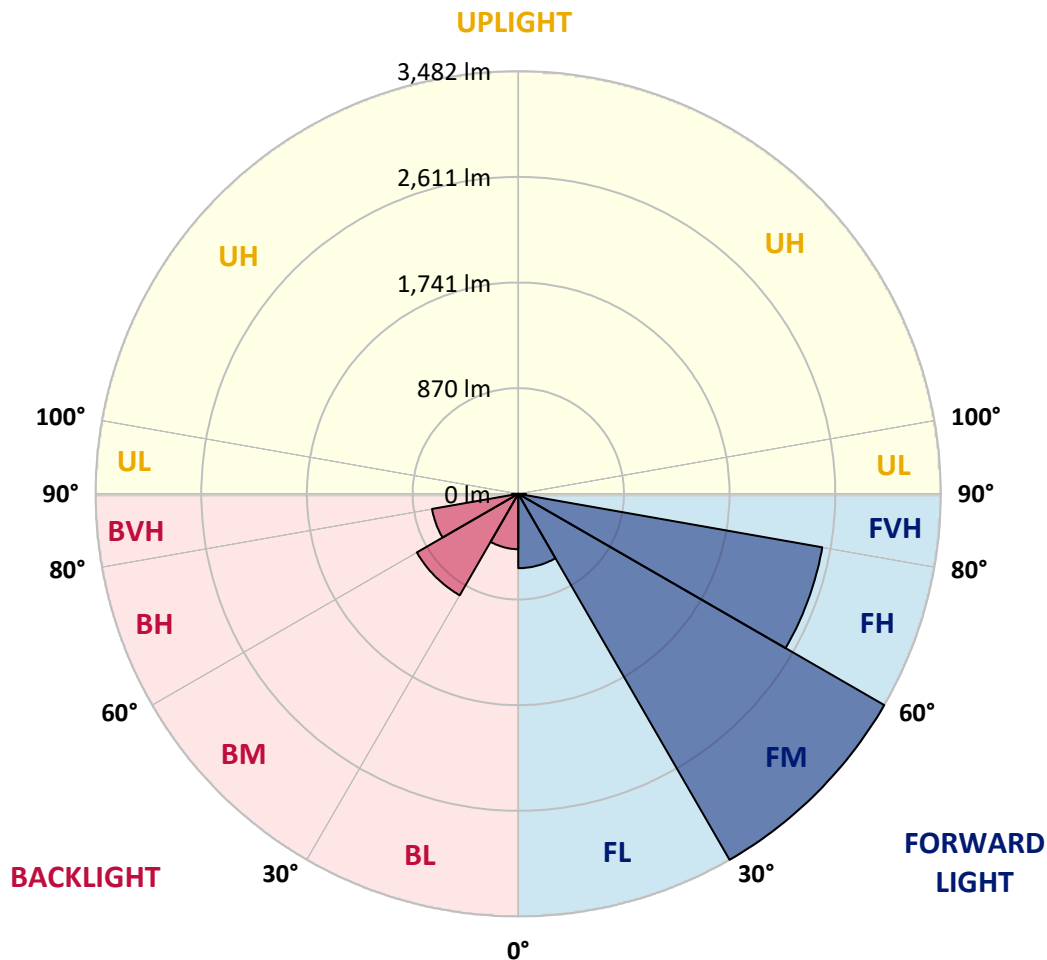


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.6	6.9			
FM (30°-60°)	3481.8	39.1			
FH (60°-80°)	2543.4	28.6			G2/5000
FVH (80°-90°)	65.1	0.7			G1/100
BL (0°-30°)	456.2	5.1	B1/500		
BM (30°-60°)	964.9	10.8	B1/1000		
BH (60°-80°)	720.8	8.1	B2/1000		G2/1000
BVH (80°-90°)	51.2	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3
2.5°	1335.4	1343.0	1340.6	1338.3	1338.3	1334.9	1334.5	1329.8	1326.0	1319.8
5°	1352.4	1360.4	1359.5	1361.4	1367.5	1368.9	1370.4	1367.5	1360.0	1352.4
7.5°	1337.3	1346.3	1349.1	1360.4	1379.3	1396.3	1409.1	1414.3	1407.2	1396.3
10°	1286.3	1296.2	1306.2	1333.1	1366.6	1406.7	1440.7	1461.0	1459.6	1449.2
12.5°	1182.9	1193.3	1214.6	1267.0	1328.3	1399.1	1462.4	1504.9	1519.5	1512.0
15°	1100.3	1109.3	1125.4	1179.2	1258.9	1366.6	1470.4	1553.0	1590.3	1586.1
17.5°	1098.0	1101.8	1111.7	1137.2	1198.5	1315.6	1461.9	1600.2	1671.5	1671.0
20°	1139.5	1140.9	1146.6	1151.8	1186.7	1276.9	1440.2	1639.4	1762.6	1762.6
22.5°	1197.1	1196.2	1201.8	1197.1	1214.1	1273.6	1426.5	1673.9	1864.1	1871.7
25°	1283.5	1278.8	1277.4	1266.5	1269.8	1304.3	1441.6	1713.1	1984.5	2000.1
27.5°	1398.7	1391.1	1385.9	1360.9	1352.4	1367.5	1487.9	1760.3	2118.5	2145.5
30°	1548.8	1535.1	1527.5	1484.1	1453.4	1455.8	1557.8	1823.0	2258.7	2302.2
32.5°	1753.7	1732.4	1712.1	1640.8	1584.7	1566.3	1647.9	1909.9	2410.7	2480.1
35°	1983.1	1966.1	1944.4	1834.4	1748.0	1705.5	1769.7	2031.2	2588.7	2698.7
37.5°	2204.0	2189.4	2199.7	2051.5	1940.1	1878.3	1929.3	2194.1	2808.2	2970.6
40°	2432.5	2421.1	2422.5	2280.9	2151.1	2081.7	2122.8	2398.5	3059.8	3293.9
42.5°	2680.8	2672.3	2643.9	2518.4	2372.5	2307.8	2345.6	2634.5	3329.8	3662.1
45°	2958.8	2953.6	2927.2	2783.2	2616.1	2543.4	2594.4	2895.1	3601.2	4008.6
47.5°	3199.1	3203.3	3200.0	3078.7	2905.4	2798.8	2859.7	3167.0	3853.8	4334.3
50°	3314.7	3336.9	3369.5	3331.7	3224.1	3115.5	3127.3	3429.4	4094.5	4639.7
52.5°	3254.3	3296.3	3385.0	3445.5	3487.0	3464.4	3432.7	3690.0	4321.1	4915.4
55°	3029.1	3088.1	3235.4	3381.3	3593.2	3758.0	3799.5	3978.9	4542.0	5158.1
57.5°	2618.9	2714.7	2846.9	3141.9	3498.8	3900.0	4227.2	4379.6	4776.2	5417.2
60°	1915.6	2044.0	2208.2	2647.2	3168.4	3824.0	4591.1	4995.2	5109.0	5752.8
62.5°	1225.9	1305.2	1456.3	1869.8	2468.8	3434.6	4702.5	5764.6	5673.1	6303.2
65°	839.3	890.3	1028.6	1260.8	1596.0	2556.6	4404.2	6341.5	6569.0	7175.6
67.5°	609.9	648.6	766.6	970.1	1039.9	1512.9	3417.6	6315.0	7439.9	8074.4
70°	444.7	472.0	571.2	766.6	800.1	841.7	2070.4	5368.1	7421.0	8313.2
72.5°	329.5	348.4	414.9	594.8	647.6	568.3	1024.8	3901.5	6376.9	7519.2
75°	238.4	252.5	301.6	455.1	518.3	432.9	511.2	2280.0	4448.1	5289.3
77.5°	182.2	193.1	225.2	333.3	414.9	324.8	317.2	1048.9	2109.1	2119.5
80°	146.3	153.4	170.9	234.6	318.2	243.1	206.8	423.4	666.5	564.1
82.5°	107.6	119.4	144.4	164.7	227.5	167.6	126.0	213.8	253.5	218.1
85°	61.4	69.4	87.3	118.0	145.4	102.4	72.2	94.9	118.0	96.8
87.5°	21.7	28.3	30.7	46.3	63.3	42.5	27.9	27.4	38.7	28.8
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°
1304.3	0°	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3
1318.4	2.5°	1313.7	1311.3	1301.9	1289.2	1275.9	1263.2	1258.9	1250.0	1243.8	1240.5
1349.1	5°	1340.1	1332.6	1310.4	1282.1	1252.3	1220.2	1197.6	1176.8	1161.7	1147.5
1391.1	7.5°	1377.9	1364.7	1326.5	1276.9	1224.0	1170.7	1131.0	1100.8	1080.5	1067.3
1440.2	10°	1421.8	1401.5	1343.0	1268.9	1187.2	1110.7	1064.0	1038.0	1025.3	1018.2
1496.4	12.5°	1472.3	1443.5	1360.0	1250.5	1131.0	1043.7	1011.6	1004.0	1004.5	1005.0
1567.2	15°	1534.6	1494.5	1373.7	1210.3	1057.9	992.2	986.6	998.9	1011.6	1017.7
1647.4	17.5°	1605.0	1548.3	1376.0	1144.2	986.1	959.2	977.1	1003.6	1022.9	1031.4
1737.1	20°	1680.5	1603.1	1359.0	1050.8	927.1	932.3	964.4	998.4	1019.6	1030.5
1839.6	22.5°	1766.9	1661.6	1318.4	952.6	879.0	903.0	940.8	973.8	996.0	1006.9
1959.9	25°	1865.5	1727.2	1254.7	870.0	837.4	870.0	907.7	935.1	953.1	963.0
2094.5	27.5°	1975.0	1795.7	1169.7	804.4	801.1	836.0	867.1	888.4	897.8	905.4
2237.5	30°	2085.0	1858.0	1066.8	754.8	769.4	802.5	824.7	834.1	836.9	838.4
2397.1	32.5°	2204.0	1911.8	958.7	713.7	739.2	769.9	783.1	787.4	774.2	765.2
2590.6	35°	2348.0	1969.4	853.0	681.2	709.5	735.9	740.2	736.4	720.8	702.4
2833.2	37.5°	2525.9	2041.1	768.5	658.0	681.6	699.1	693.9	693.0	694.4	672.7
3124.9	40°	2744.0	2134.6	706.7	640.1	659.0	662.8	648.1	656.1	663.2	630.2
3445.0	42.5°	2986.2	2247.4	667.5	627.8	640.1	631.1	608.5	617.4	616.5	573.1
3766.5	45°	3233.0	2370.1	653.8	618.9	622.6	604.7	579.7	582.0	562.2	523.0
4074.7	47.5°	3478.5	2501.8	662.3	611.3	600.9	580.6	561.3	550.9	521.6	492.3
4370.2	50°	3719.3	2640.2	693.4	596.2	571.2	559.4	545.2	526.8	495.6	470.6
4649.7	52.5°	3942.5	2779.4	728.4	571.2	533.9	541.0	532.0	510.8	480.1	454.6
4914.0	55°	4154.0	2918.7	742.1	536.7	499.0	524.9	519.7	480.5	443.7	423.0
5190.6	57.5°	4384.4	3086.2	727.0	492.8	470.6	506.5	486.7	443.3	422.0	406.4
5550.8	60°	4703.5	3349.2	694.4	438.5	443.7	479.1	445.1	427.2	404.1	386.6
6090.8	62.5°	5233.6	3839.6	642.0	384.7	412.1	438.5	425.3	407.4	383.8	366.8
7014.1	65°	6017.2	4521.3	543.3	342.7	376.7	398.9	404.1	386.1	361.6	343.6
7823.2	67.5°	6678.0	4948.9	411.2	307.8	340.3	366.8	381.4	363.9	338.0	320.5
8012.5	70°	6641.7	4638.3	313.9	273.3	308.2	335.2	354.0	340.3	312.5	296.0
7278.0	72.5°	5899.2	3880.2	254.0	238.4	275.7	302.1	324.8	314.4	286.1	270.0
5331.8	75°	4333.9	2754.4	203.0	203.0	235.1	267.7	292.7	286.1	260.1	248.8
2238.4	77.5°	1826.8	1155.6	159.1	168.5	195.4	229.9	261.0	263.4	240.7	254.9
591.9	80°	485.7	318.6	121.3	132.6	153.4	189.8	227.1	226.1	201.6	188.3
220.0	82.5°	185.0	125.6	86.4	93.5	110.9	145.4	179.8	185.5	161.0	139.3
86.4	85°	71.3	53.8	53.3	56.2	64.7	96.3	135.9	140.7	121.3	102.9
24.1	87.5°	18.4	16.0	19.8	18.9	29.7	51.5	77.9	80.7	74.1	43.0
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°
1304.3
1244.3
1153.2
1070.1
1020.1
1005.9
1017.3
1033.3
1033.3
1009.7
965.8
908.2
841.7
768.0
703.3
674.1
631.1
572.6
524.4
492.3
468.7
455.1
421.1
405.0
385.7
366.8
344.6
321.0
297.4
270.0
245.5
231.3
175.1
139.3
106.2
61.4
0.0

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