

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: P846226

Luminaire Tested: **GLAN-SB1D-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846226
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-SB1D-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9743 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

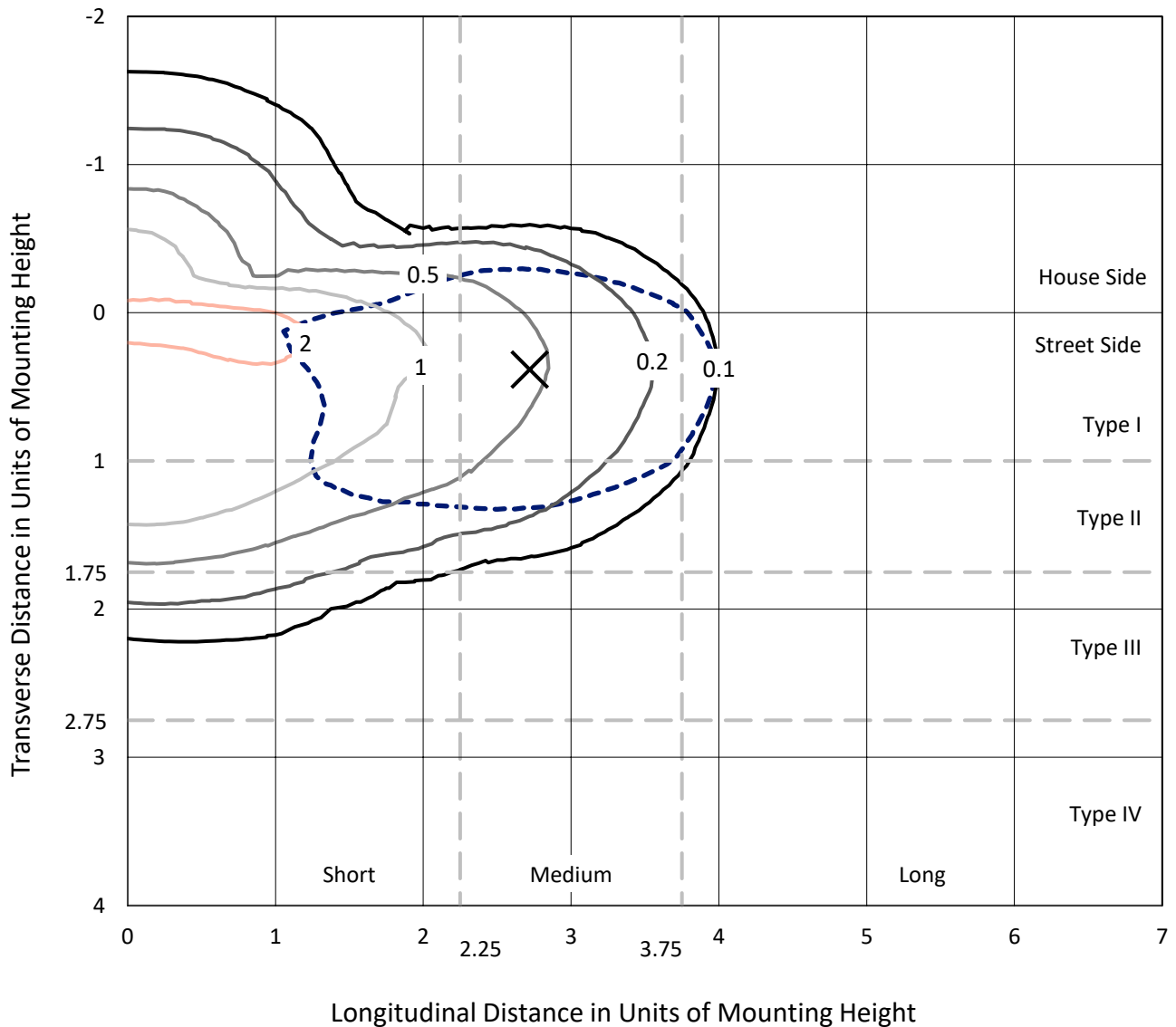
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

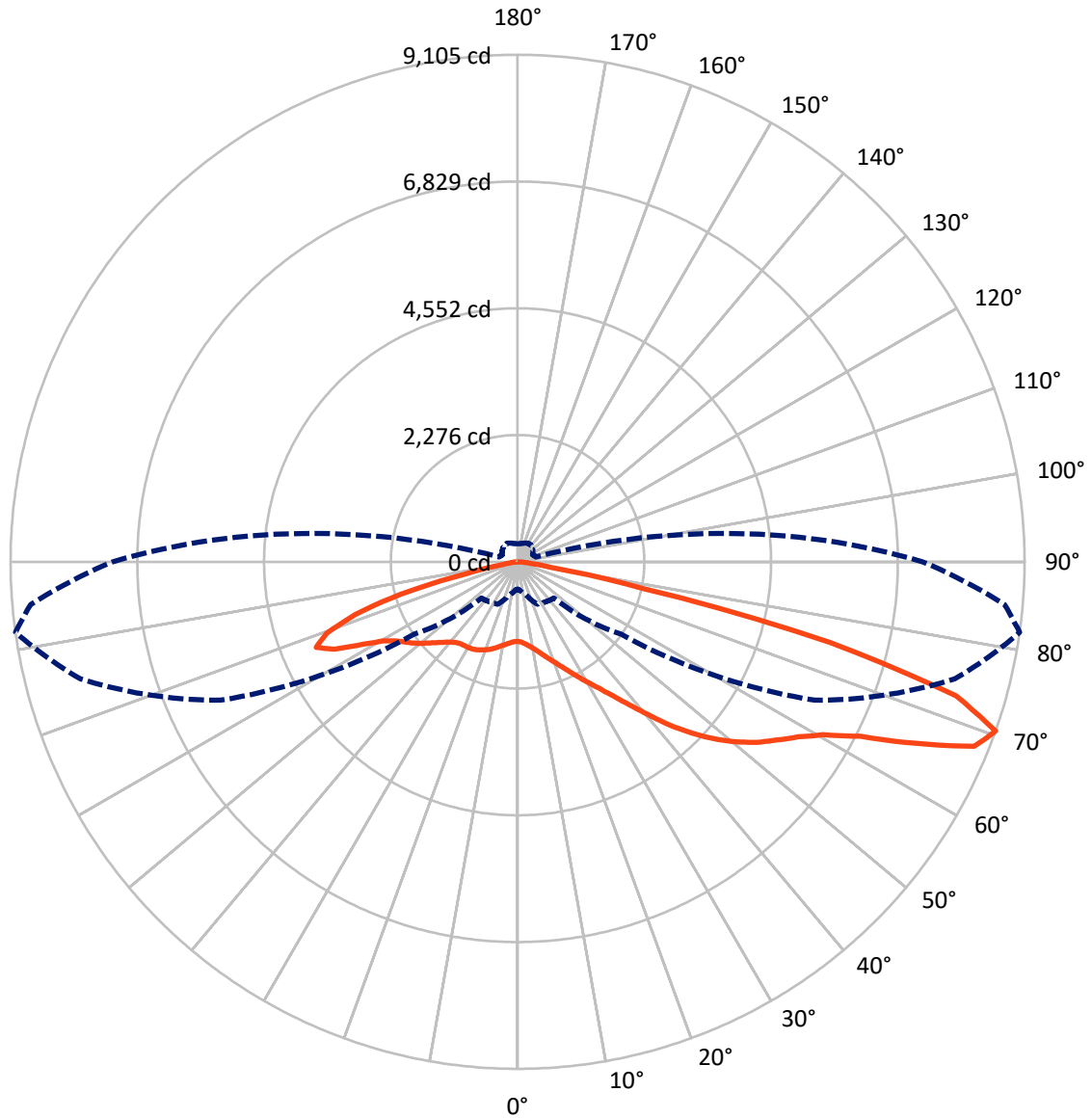
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	2401.9	0.0	2401.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	7341.1	0.0	7341.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	9743.0	0.0	9743.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.4
10°-20°	387.5	4.0
20°-30°	648.2	6.7
30°-40°	1012.7	10.4
40°-50°	1612.9	16.6
50°-60°	2244.5	23.0
60°-70°	2347.8	24.1
70°-80°	1227.1	12.6
80°-90°	127.4	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°	9743.0	100.0
0°-180°	9743.0	100.0

Coefficient of Utilization

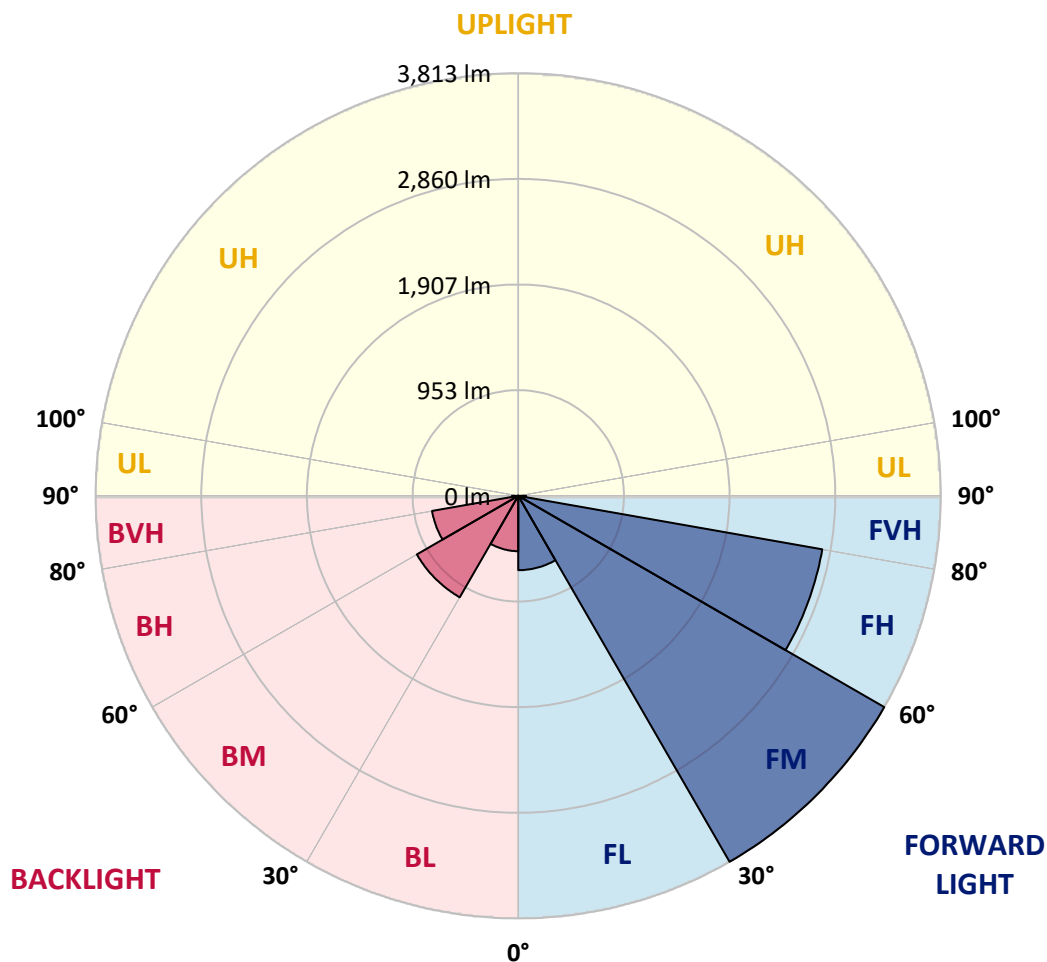


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.9	6.9			
FM (30°-60°)	3813.3	39.1			
FH (60°-80°)	2785.6	28.6			G2/5000
FVH (80°-90°)	71.3	0.7			G1/100
BL (0°-30°)	499.7	5.1	B1/500		
BM (30°-60°)	1056.7	10.8	B2/2500		
BH (60°-80°)	789.4	8.1	B2/1000		G2/1000
BVH (80°-90°)	56.1	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°	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4
2.5°	1462.6	1470.8	1468.3	1465.7	1465.7	1462.1	1461.5	1456.4	1452.2	1445.5
5°	1481.2	1490.0	1488.9	1491.0	1497.7	1499.3	1500.8	1497.7	1489.5	1481.2
7.5°	1464.6	1474.5	1477.6	1490.0	1510.6	1529.3	1543.2	1548.9	1541.1	1529.3
10°	1408.8	1419.7	1430.5	1460.0	1496.7	1540.6	1577.9	1600.1	1598.5	1587.2
12.5°	1295.6	1307.0	1330.2	1387.6	1454.8	1532.4	1601.6	1648.2	1664.2	1655.9
15°	1205.1	1214.9	1232.5	1291.4	1378.8	1496.7	1610.4	1700.9	1741.7	1737.1
17.5°	1202.5	1206.7	1217.5	1245.4	1312.6	1440.9	1601.1	1752.6	1830.7	1830.1
20°	1248.0	1249.6	1255.8	1261.5	1299.7	1398.5	1577.3	1795.5	1930.4	1930.4
22.5°	1311.1	1310.1	1316.3	1311.1	1329.7	1394.8	1562.3	1833.2	2041.6	2049.9
25°	1405.7	1400.5	1399.0	1387.1	1390.7	1428.4	1578.9	1876.2	2173.4	2190.5
27.5°	1531.8	1523.6	1517.9	1490.5	1481.2	1497.7	1629.6	1927.9	2320.3	2349.7
30°	1696.2	1681.3	1673.0	1625.4	1591.8	1594.4	1706.1	1996.6	2473.8	2521.4
32.5°	1920.6	1897.4	1875.1	1797.1	1735.5	1715.4	1804.8	2091.7	2640.3	2716.3
35°	2171.9	2153.3	2129.5	2009.0	1914.4	1867.9	1938.2	2224.6	2835.2	2955.6
37.5°	2413.8	2397.8	2409.2	2246.8	2124.8	2057.1	2112.9	2403.0	3075.6	3253.4
40°	2664.1	2651.6	2653.2	2498.1	2355.9	2279.9	2324.9	2626.8	3351.1	3607.6
42.5°	2936.0	2926.7	2895.7	2758.1	2598.4	2527.6	2568.9	2885.3	3646.9	4010.8
45°	3240.5	3234.8	3205.9	3048.2	2865.2	2785.5	2841.4	3170.7	3944.1	4390.3
47.5°	3503.6	3508.3	3504.7	3371.8	3182.1	3065.2	3131.9	3468.5	4220.7	4747.0
50°	3630.3	3654.6	3690.3	3648.9	3531.0	3412.1	3425.1	3755.9	4484.4	5081.5
52.5°	3564.1	3610.1	3707.3	3773.5	3819.0	3794.2	3759.6	4041.3	4732.5	5383.4
55°	3317.5	3382.2	3543.5	3703.2	3935.3	4115.8	4161.3	4357.7	4974.5	5649.2
57.5°	2868.3	2973.2	3118.0	3441.1	3831.9	4271.4	4629.7	4796.6	5230.9	5933.0
60°	2097.9	2238.6	2418.5	2899.3	3470.0	4188.1	5028.3	5470.8	5595.4	6300.6
62.5°	1342.6	1429.5	1594.9	2047.8	2703.9	3761.6	5150.3	6313.5	6213.2	6903.4
65°	919.2	975.0	1126.5	1380.9	1747.9	2800.0	4823.5	6945.3	7194.4	7858.8
67.5°	668.0	710.3	839.6	1062.4	1138.9	1657.0	3743.0	6916.3	8148.3	8843.1
70°	487.0	517.0	625.6	839.6	876.3	921.8	2267.5	5879.2	8127.6	9104.7
72.5°	360.9	381.5	454.4	651.4	709.3	622.5	1122.4	4272.9	6984.0	8235.1
75°	261.1	276.6	330.4	498.4	567.7	474.1	559.9	2497.1	4871.6	5792.9
77.5°	199.6	211.4	246.6	365.0	454.4	355.7	347.4	1148.8	2309.9	2321.3
80°	160.3	168.0	187.2	256.9	348.5	266.3	226.4	463.7	730.0	617.8
82.5°	117.9	130.8	158.2	180.4	249.2	183.5	138.0	234.2	277.6	238.8
85°	67.2	76.0	95.6	129.2	159.2	112.2	79.1	103.9	129.2	106.0
87.5°	23.8	31.0	33.6	50.7	69.3	46.5	30.5	30.0	42.4	31.5
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°
1428.4	0°	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4
1444.0	2.5°	1438.8	1436.2	1425.9	1411.9	1397.4	1383.5	1378.8	1369.0	1362.3	1358.7
1477.6	5°	1467.7	1459.5	1435.2	1404.1	1371.6	1336.4	1311.6	1288.9	1272.3	1256.8
1523.6	7.5°	1509.1	1494.6	1452.7	1398.5	1340.6	1282.1	1238.7	1205.6	1183.4	1168.9
1577.3	10°	1557.2	1534.9	1470.8	1389.7	1300.2	1216.5	1165.3	1136.9	1122.9	1115.1
1638.9	12.5°	1612.5	1581.0	1489.5	1369.5	1238.7	1143.1	1107.9	1099.6	1100.2	1100.7
1716.4	15°	1680.7	1636.8	1504.4	1325.6	1158.6	1086.7	1080.5	1094.0	1107.9	1114.6
1804.3	17.5°	1757.8	1695.7	1507.0	1253.2	1080.0	1050.5	1070.2	1099.1	1120.3	1129.6
1902.5	20°	1840.5	1755.7	1488.4	1150.8	1015.4	1021.1	1056.2	1093.4	1116.7	1128.6
2014.7	22.5°	1935.1	1819.8	1444.0	1043.3	962.6	989.0	1030.4	1066.6	1090.9	1102.7
2146.5	25°	2043.1	1891.7	1374.2	952.8	917.1	952.8	994.2	1024.2	1043.8	1054.7
2293.9	27.5°	2163.1	1966.6	1281.1	881.0	877.3	915.6	949.7	973.0	983.3	991.6
2450.5	30°	2283.5	2034.9	1168.4	826.7	842.7	878.9	903.2	913.5	916.6	918.2
2625.3	32.5°	2413.8	2093.8	1050.0	781.7	809.6	843.2	857.7	862.3	847.9	838.0
2837.2	35°	2571.5	2156.9	934.2	746.0	777.0	806.0	810.6	806.5	789.4	769.3
3103.0	37.5°	2766.4	2235.5	841.7	720.7	746.5	765.7	760.0	758.9	760.5	736.7
3422.5	40°	3005.3	2337.8	773.9	701.0	721.7	725.9	709.8	718.6	726.4	690.2
3773.0	42.5°	3270.5	2461.4	731.0	687.6	701.0	691.2	666.4	676.2	675.2	627.6
4125.1	45°	3540.9	2595.8	716.0	677.8	681.9	662.3	634.9	637.4	615.7	572.8
4462.7	47.5°	3809.7	2740.1	725.3	669.5	658.1	635.9	614.7	603.3	571.3	539.2
4786.3	50°	4073.4	2891.5	759.5	653.0	625.6	612.6	597.1	577.0	542.8	515.4
5092.4	52.5°	4317.9	3044.0	797.7	625.6	584.7	592.5	582.6	559.4	525.8	497.9
5381.9	55°	4549.5	3196.6	812.7	587.8	546.5	574.9	569.2	526.3	486.0	463.2
5684.8	57.5°	4801.8	3380.1	796.2	539.7	515.4	554.7	533.0	485.5	462.2	445.1
6079.3	60°	5151.3	3668.0	760.5	480.3	486.0	524.7	487.5	467.9	442.5	423.4
6670.7	62.5°	5731.9	4205.2	703.1	421.3	451.3	480.3	465.8	446.2	420.3	401.7
7682.0	65°	6590.1	4951.7	595.1	375.3	412.6	436.9	442.5	422.9	396.0	376.4
8568.1	67.5°	7313.9	5420.1	450.3	337.1	372.8	401.7	417.7	398.6	370.2	351.0
8775.4	70°	7274.1	5080.0	343.8	299.3	337.6	367.1	387.7	372.8	342.2	324.2
7971.0	72.5°	6460.8	4249.7	278.1	261.1	301.9	330.9	355.7	344.3	313.3	295.7
5839.4	75°	4746.5	3016.6	222.3	222.3	257.5	293.1	320.5	313.3	284.9	272.5
2451.6	77.5°	2000.8	1265.6	174.2	184.6	214.0	251.8	285.9	288.5	263.7	279.2
648.3	80°	532.0	349.0	132.9	145.3	168.0	207.8	248.7	247.6	220.8	206.3
240.9	82.5°	202.7	137.5	94.6	102.4	121.5	159.2	197.0	203.2	176.3	152.5
94.6	85°	78.1	58.9	58.4	61.5	70.8	105.5	148.9	154.1	132.9	112.7
26.4	87.5°	20.2	17.6	21.7	20.7	32.6	56.4	85.3	88.4	81.2	47.0
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°
1428.4
1362.8
1263.0
1172.0
1117.2
1101.7
1114.1
1131.7
1131.7
1105.8
1057.8
994.7
921.8
841.1
770.3
738.3
691.2
627.1
574.4
539.2
513.4
498.4
461.2
443.6
422.4
401.7
377.4
351.6
325.7
295.7
268.8
253.3
191.8
152.5
116.3
67.2
0.0

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