

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: P846578

Luminaire Tested: **GLAN-SB2B-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11058 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

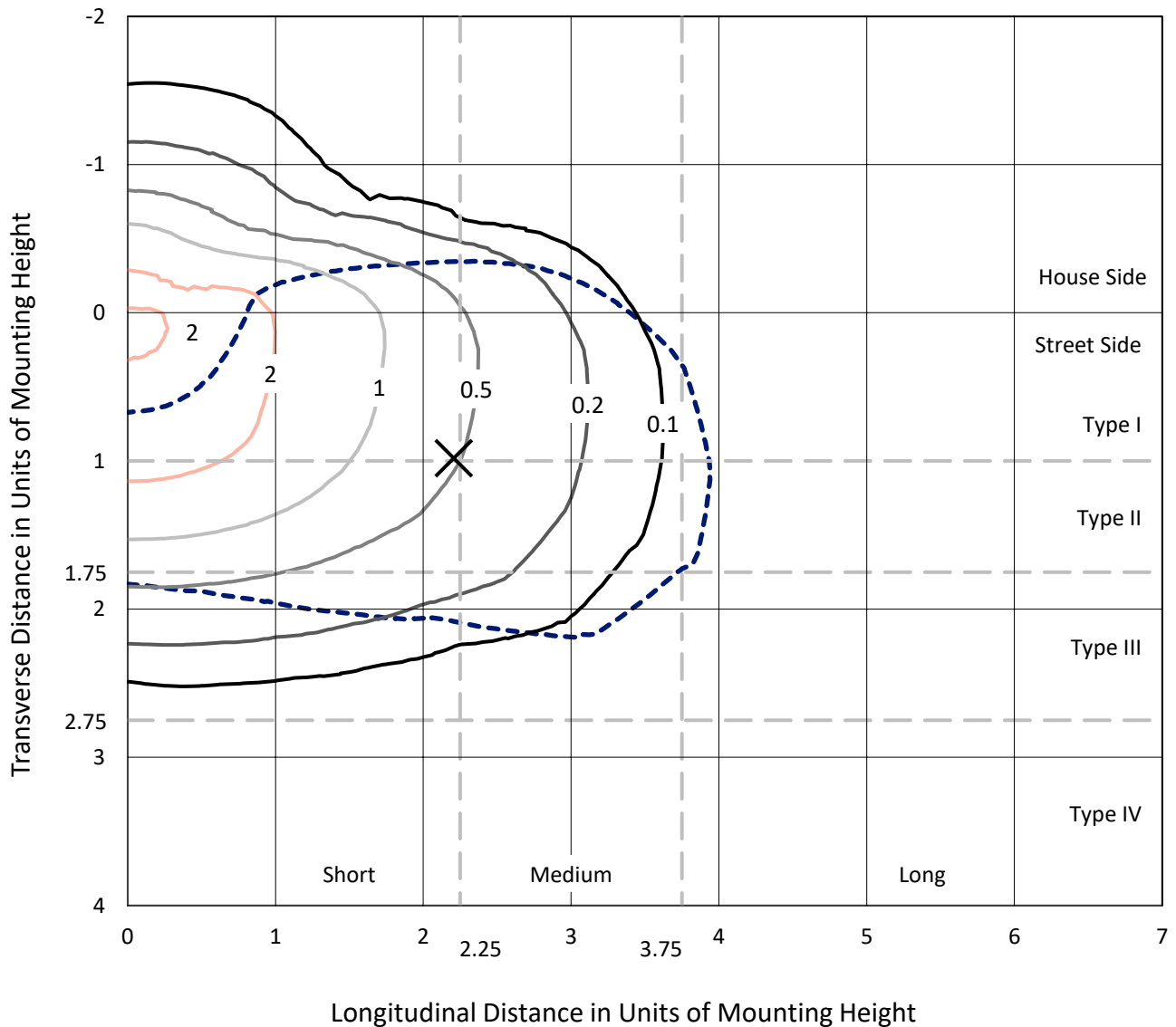
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

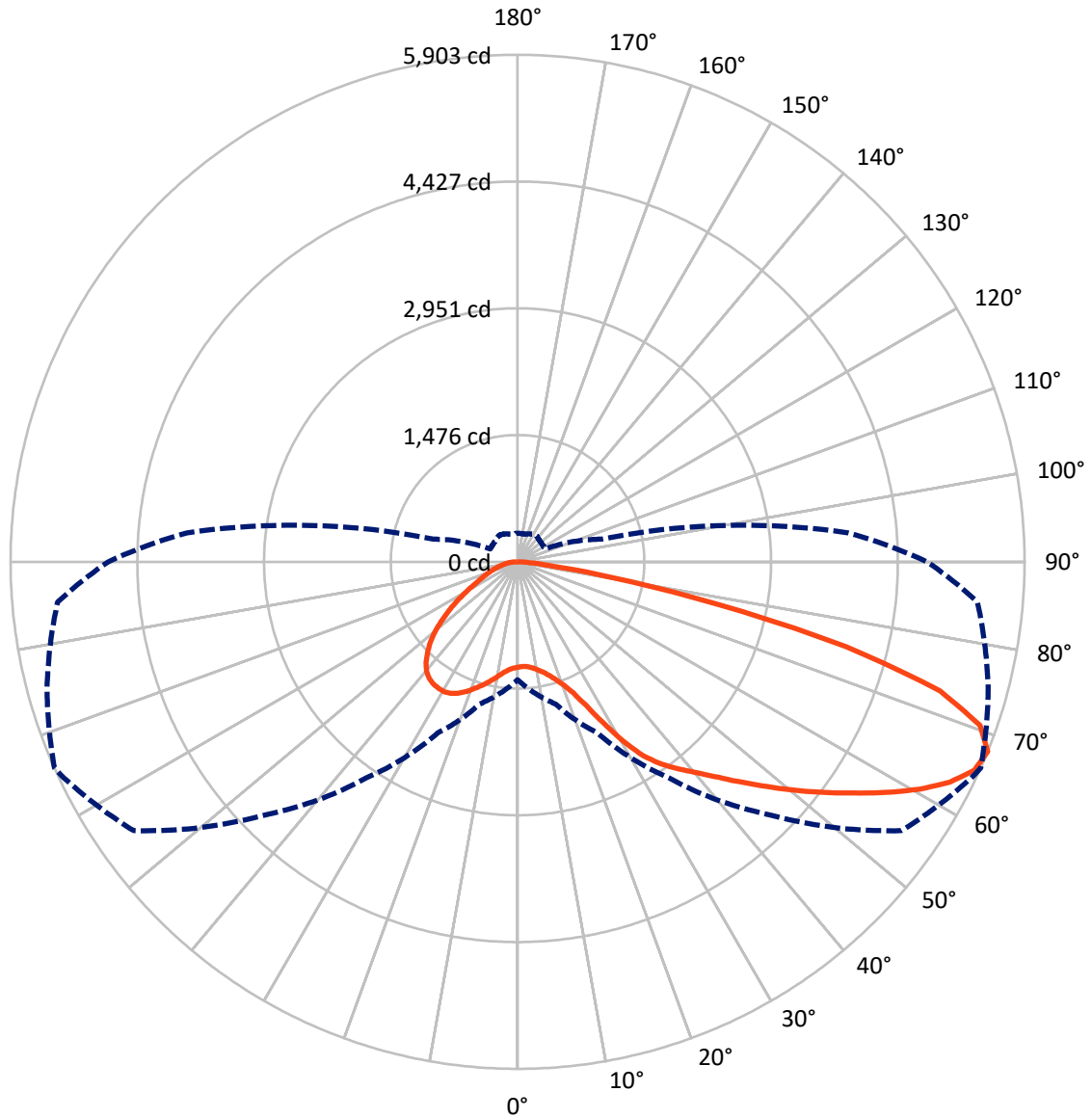
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2749.5	0.0	2749.5
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	8308.5	0.0	8308.5
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	11058.0	0.0	11058.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.6	1.1
10°-20°	401.8	3.6
20°-30°	774.4	7.0
30°-40°	1357.7	12.3
40°-50°	2018.5	18.3
50°-60°	2558.6	23.1
60°-70°	2503.6	22.6
70°-80°	1194.2	10.8
80°-90°	127.6	1.2
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°	11058.0	100.0
0°-180°	11058.0	100.0

**Coefficient of Utilization**



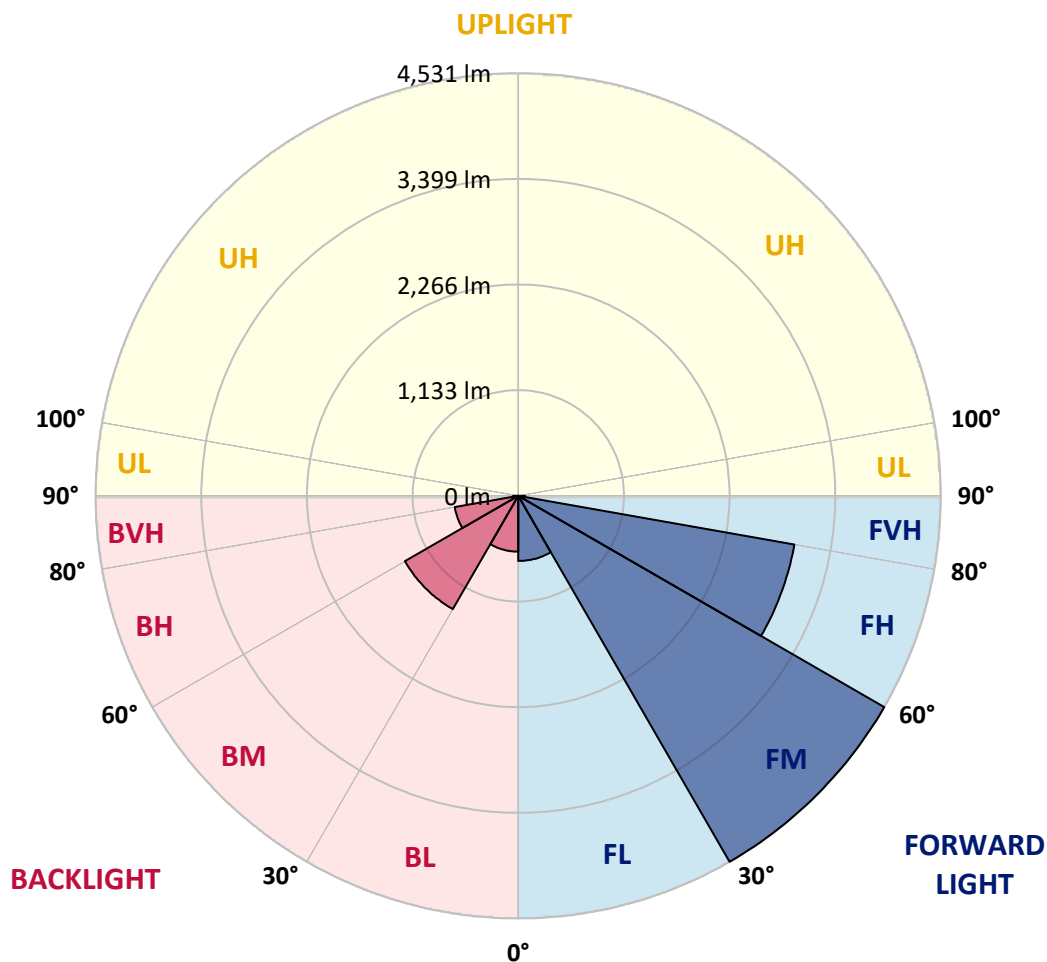
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.8	6.3			
FM (30°-60°)	4531.5	41.0			
FH (60°-80°)	3005.9	27.2			G2/5000
FVH (80°-90°)	72.4	0.7			G1/100
BL (0°-30°)	598.9	5.4	B2/1000		
BM (30°-60°)	1403.4	12.7	B2/2500		
BH (60°-80°)	691.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	55.3	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5
2.5°	1213.7	1220.7	1218.9	1216.0	1215.4	1216.6	1218.3	1220.1	1219.5	1222.4
5°	1210.2	1217.2	1216.6	1216.6	1218.9	1223.6	1226.5	1229.4	1226.5	1230.0
7.5°	1212.5	1217.8	1220.1	1222.4	1228.2	1236.9	1243.9	1250.3	1246.8	1250.9
10°	1242.2	1246.2	1248.6	1248.6	1252.6	1262.5	1269.5	1281.1	1278.2	1284.6
12.5°	1296.2	1300.3	1300.3	1297.9	1300.8	1307.2	1309.6	1322.3	1317.1	1327.6
15°	1362.4	1370.6	1364.2	1360.1	1361.3	1367.7	1367.1	1377.0	1371.7	1380.4
17.5°	1435.6	1446.1	1435.6	1435.1	1432.7	1439.7	1440.3	1449.0	1439.7	1446.1
20°	1522.2	1536.7	1528.0	1530.9	1525.7	1528.6	1531.5	1544.3	1529.8	1534.4
22.5°	1644.2	1661.6	1652.3	1663.4	1659.9	1657.6	1657.0	1679.7	1657.0	1658.7
25°	1822.0	1842.9	1826.6	1841.8	1841.8	1849.3	1858.0	1887.1	1849.3	1838.3
27.5°	2084.6	2105.5	2073.6	2082.9	2080.0	2098.6	2089.3	2161.3	2120.6	2102.6
30°	2400.7	2437.9	2377.4	2375.1	2372.2	2401.8	2415.2	2462.8	2421.6	2403.6
32.5°	2742.3	2781.2	2709.2	2688.3	2677.2	2695.2	2684.2	2722.5	2694.1	2666.2
35°	3103.7	3142.0	3073.5	3032.8	2988.6	2950.9	2911.4	2921.2	2894.5	2852.1
37.5°	3445.3	3515.6	3443.0	3399.4	3318.1	3244.3	3133.9	3088.0	3063.0	3024.1
40°	3793.3	3833.4	3778.2	3741.0	3652.7	3537.1	3360.5	3263.4	3229.7	3192.0
42.5°	4049.5	4087.9	4058.2	4032.7	3963.5	3829.3	3601.0	3479.6	3430.8	3388.4
45°	4252.9	4281.3	4262.8	4272.0	4242.4	4112.3	3850.2	3711.4	3660.8	3609.1
47.5°	4334.8	4365.0	4394.6	4449.8	4500.4	4404.5	4118.1	3962.4	3908.9	3856.1
50°	4325.5	4356.3	4442.3	4559.6	4716.5	4684.6	4400.4	4229.6	4180.3	4119.8
52.5°	4251.1	4286.0	4396.4	4591.6	4841.4	4894.3	4688.0	4505.6	4459.1	4387.1
55°	4055.9	4076.8	4242.4	4519.0	4871.1	5040.7	4969.8	4799.6	4753.1	4652.6
57.5°	3694.0	3724.2	3965.3	4323.2	4796.7	5140.1	5217.3	5108.7	5063.9	4919.3
60°	3221.6	3269.8	3545.8	3994.3	4607.3	5139.5	5442.2	5412.5	5375.4	5181.9
62.5°	2687.1	2742.9	3008.4	3529.5	4276.1	4993.6	5582.8	5667.0	5647.8	5424.2
65°	2063.7	2102.0	2366.4	2928.2	3760.8	4680.5	5599.0	5840.7	5844.2	5608.3
67.5°	1374.1	1484.4	1713.9	2197.3	3070.6	4168.6	5456.1	5869.2	5902.9	5671.7
70°	670.5	815.7	1040.6	1428.1	2197.3	3383.7	5082.5	5635.6	5710.6	5486.9
72.5°	278.3	325.4	447.9	704.7	1261.3	2283.3	4331.9	5002.4	5141.2	4861.8
75°	187.7	203.3	256.2	361.4	574.6	1126.0	3124.0	3730.0	3953.7	3671.9
77.5°	144.7	154.5	186.5	252.7	341.6	425.9	1672.1	2247.9	2363.5	2188.0
80°	113.9	121.4	139.4	184.2	242.3	227.7	570.0	1018.5	1085.3	910.4
82.5°	98.8	101.7	99.9	124.9	160.9	133.0	187.1	375.9	414.8	301.0
85°	71.5	79.6	83.1	77.3	85.4	67.4	76.7	133.0	146.4	130.7
87.5°	29.0	43.0	52.9	50.0	31.4	19.2	23.8	38.9	44.7	48.8
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°
1226.5	0°	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5	1226.5
1227.1	2.5°	1227.6	1231.7	1234.6	1238.1	1240.4	1243.9	1250.9	1254.9	1255.5	1258.4
1236.4	5°	1238.7	1244.5	1250.9	1260.2	1270.6	1279.3	1292.7	1302.0	1305.5	1308.4
1259.0	7.5°	1262.5	1270.6	1282.3	1298.5	1313.6	1325.2	1341.5	1352.6	1363.6	1367.7
1295.0	10°	1297.9	1309.6	1326.4	1348.5	1364.8	1379.9	1396.7	1406.0	1417.0	1421.7
1338.0	12.5°	1342.1	1354.3	1376.4	1407.2	1422.3	1432.7	1438.5	1436.2	1438.5	1442.6
1389.7	15°	1392.6	1406.0	1431.0	1464.1	1474.6	1465.3	1452.5	1440.9	1439.1	1440.3
1452.5	17.5°	1452.5	1462.4	1491.4	1519.3	1511.7	1473.4	1445.5	1426.9	1417.6	1414.7
1532.7	20°	1536.1	1536.1	1560.0	1577.4	1526.9	1461.8	1418.2	1388.0	1368.8	1360.7
1641.9	22.5°	1637.8	1628.5	1643.6	1631.4	1523.9	1429.2	1368.8	1316.5	1287.5	1275.9
1794.7	25°	1766.8	1755.8	1751.7	1676.2	1503.0	1377.5	1279.3	1216.0	1190.5	1184.1
2014.9	27.5°	1961.4	1933.5	1880.7	1700.6	1464.7	1296.2	1174.8	1116.1	1101.6	1102.1
2297.8	30°	2220.6	2164.8	2035.2	1704.6	1401.9	1181.2	1067.9	1026.0	1019.1	1022.0
2535.5	32.5°	2460.5	2407.6	2193.3	1686.0	1305.5	1068.4	972.0	944.1	933.7	937.1
2716.7	35°	2648.8	2634.2	2339.7	1659.9	1187.0	962.7	886.0	862.2	841.9	837.2
2887.5	37.5°	2826.5	2820.7	2449.5	1623.3	1069.6	887.8	816.9	785.5	755.9	739.6
3076.4	40°	3021.7	3015.9	2521.5	1566.9	965.6	822.7	754.7	713.5	676.9	647.2
3290.2	42.5°	3241.4	3207.1	2555.8	1486.2	877.3	767.5	704.2	648.4	600.2	572.9
3531.9	45°	3481.3	3404.0	2555.2	1383.3	802.9	716.9	650.1	571.1	526.4	500.8
3779.9	47.5°	3735.8	3592.3	2523.8	1269.5	730.9	661.2	566.5	506.0	476.4	460.7
4049.5	50°	3998.4	3768.3	2470.4	1138.7	657.1	597.8	514.2	472.9	450.3	435.7
4316.8	52.5°	4245.3	3928.1	2405.9	990.6	582.2	536.3	490.9	459.0	435.2	418.9
4575.9	55°	4474.8	4065.8	2314.7	839.0	521.2	495.0	479.9	453.2	425.9	406.7
4839.1	57.5°	4678.7	4155.3	2157.2	696.6	477.6	466.5	468.3	443.3	411.9	395.7
5098.2	60°	4848.4	4220.9	1924.3	564.7	442.1	438.7	450.3	424.7	388.1	369.5
5317.3	62.5°	4950.1	4219.8	1638.4	462.5	411.9	413.1	426.4	401.5	364.3	346.9
5431.7	65°	4941.4	4116.3	1324.7	395.7	382.9	384.0	401.5	375.9	344.5	334.1
5374.2	67.5°	4766.5	3864.2	1016.2	352.1	350.9	356.1	376.5	358.5	332.3	331.2
5031.4	70°	4293.0	3340.7	732.1	317.2	317.8	325.4	352.1	347.4	325.9	328.3
4230.2	72.5°	3442.4	2547.1	491.5	280.6	281.2	293.4	328.8	338.7	319.5	350.3
3001.4	75°	2292.6	1588.4	316.1	241.7	242.3	258.0	308.5	321.9	302.1	349.2
1561.7	77.5°	1101.6	714.0	228.9	203.3	203.3	217.9	266.7	288.2	257.4	271.3
502.0	80°	380.6	268.4	180.1	163.8	160.4	170.2	224.8	249.8	221.9	204.5
163.8	82.5°	149.9	139.4	144.7	127.2	115.6	122.0	174.9	206.3	163.3	147.6
92.4	85°	86.0	90.6	102.3	84.2	66.8	74.9	128.4	148.2	123.2	108.6
30.2	87.5°	23.2	32.0	47.1	43.6	30.2	32.0	61.0	81.9	70.9	54.6
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°
1226.5
1257.9
1307.8
1368.2
1424.0
1443.8
1444.4
1418.8
1358.9
1274.1
1185.2
1103.9
1031.8
941.8
840.7
740.2
650.1
574.6
499.7
457.2
430.5
411.9
399.1
385.2
361.4
341.6
333.5
332.9
327.7
355.0
352.1
248.7
191.7
147.0
111.0
56.4
0.0

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