

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: P846848

Luminaire Tested: **GLAN-SB2C-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846848  
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-SB2C-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10111 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

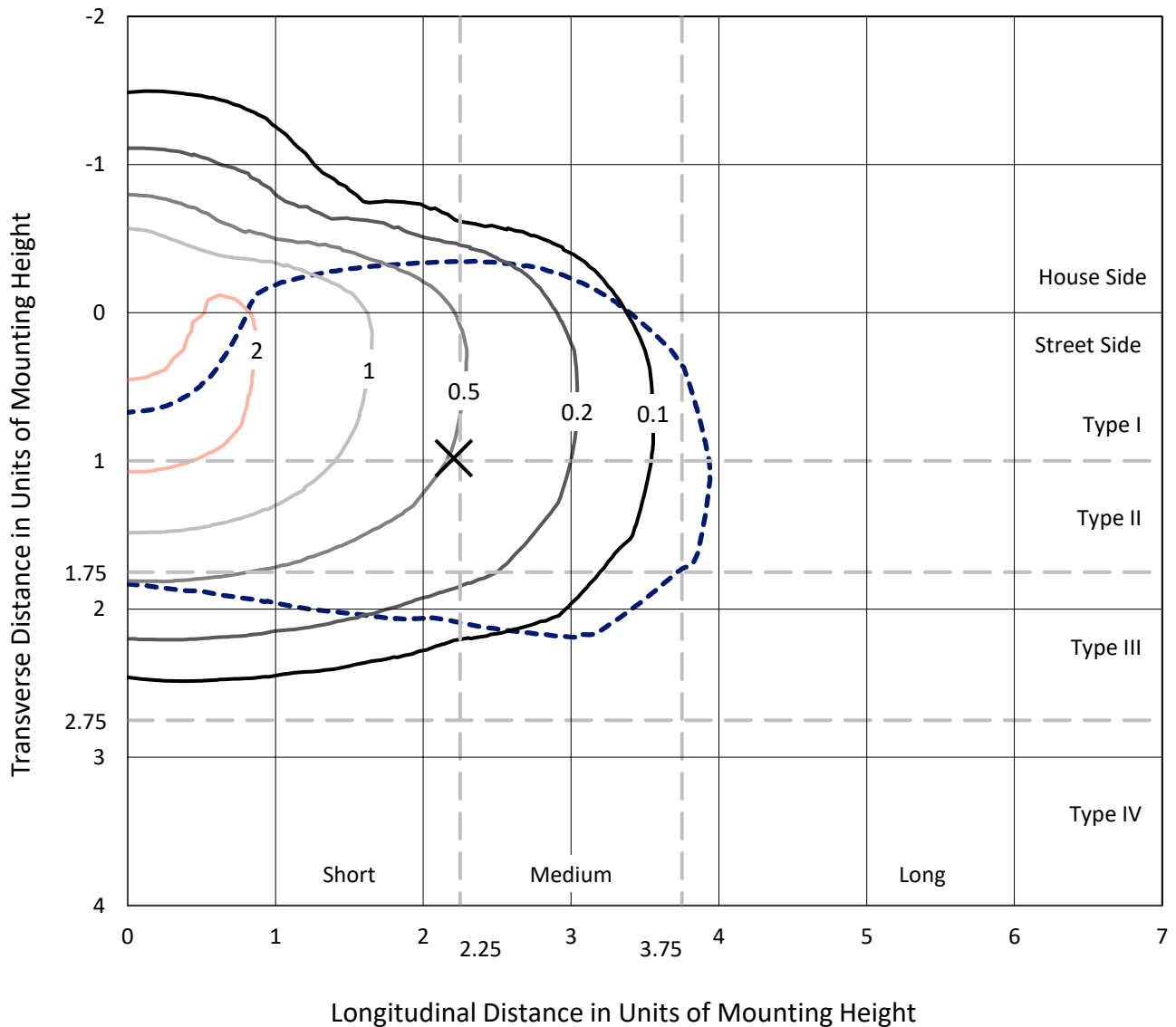
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

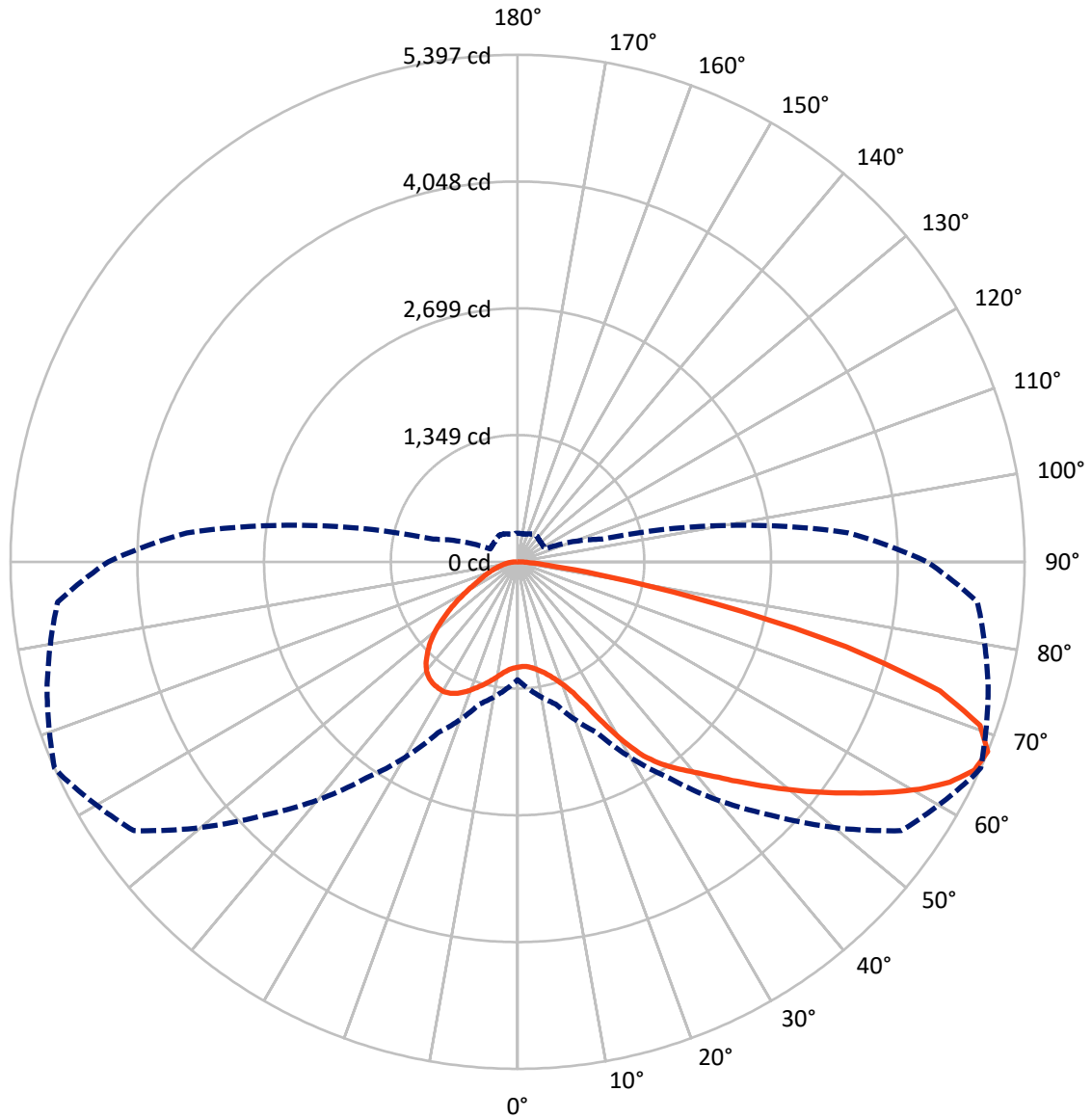
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2514.1	0.0	2514.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	7596.9	0.0	7596.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	10111.0	0.0	10111.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.2	1.1
10°-20°	367.3	3.6
20°-30°	708.0	7.0
30°-40°	1241.5	12.3
40°-50°	1845.6	18.3
50°-60°	2339.5	23.1
60°-70°	2289.2	22.6
70°-80°	1091.9	10.8
80°-90°	116.7	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°	10111.0	100.0
0°-180°	10111.0	100.0

**Coefficient of Utilization**



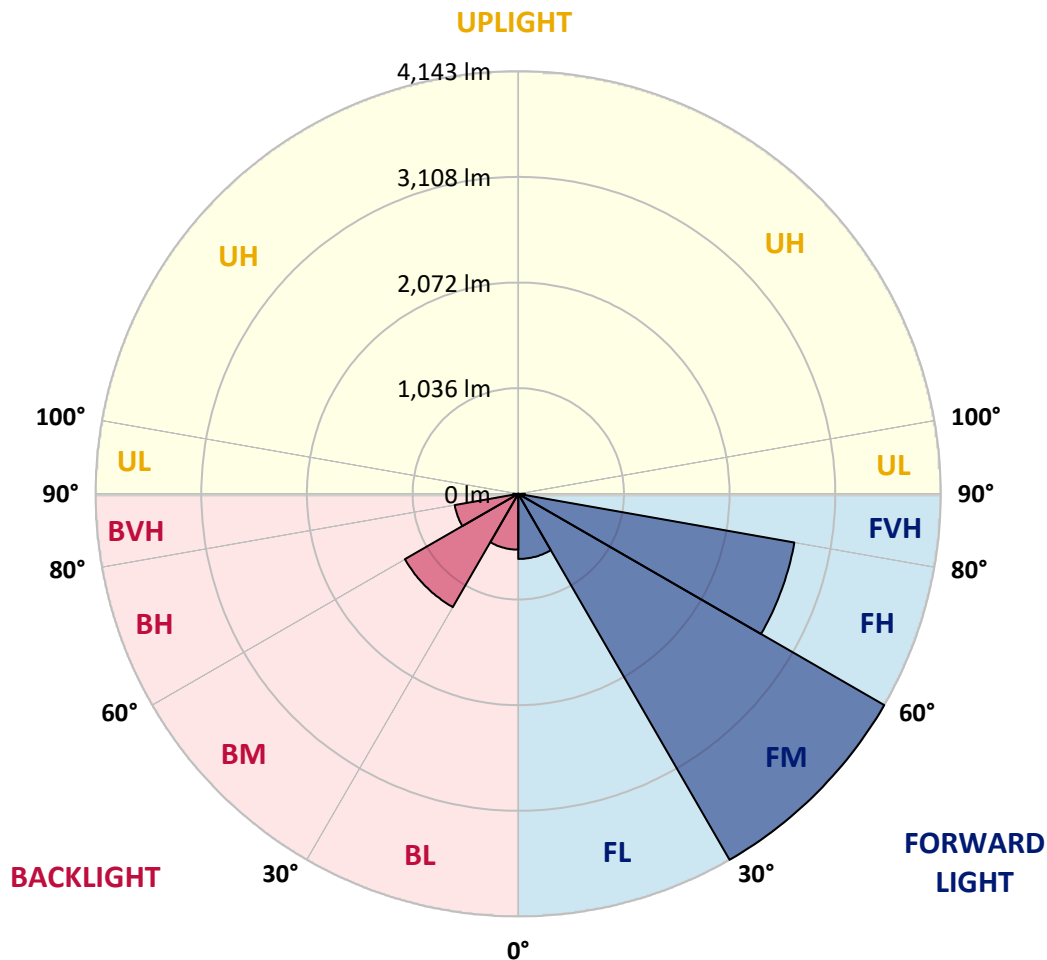
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.9	6.3			
FM (30°-60°)	4143.4	41.0			
FH (60°-80°)	2748.4	27.2			G2/5000
FVH (80°-90°)	66.2	0.7			G1/100
BL (0°-30°)	547.7	5.4	B2/1000		
BM (30°-60°)	1283.2	12.7	B2/2500		
BH (60°-80°)	632.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	50.5	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°	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4
2.5°	1109.8	1116.1	1114.5	1111.9	1111.3	1112.4	1114.0	1115.6	1115.1	1117.7
5°	1106.6	1112.9	1112.4	1112.4	1114.5	1118.8	1121.4	1124.1	1121.4	1124.6
7.5°	1108.7	1113.5	1115.6	1117.7	1123.0	1131.0	1137.4	1143.2	1140.0	1143.8
10°	1135.8	1139.5	1141.6	1141.6	1145.3	1154.4	1160.8	1171.4	1168.7	1174.6
12.5°	1185.2	1188.9	1188.9	1186.8	1189.4	1195.3	1197.4	1209.1	1204.3	1213.9
15°	1245.8	1253.2	1247.3	1243.6	1244.7	1250.5	1250.0	1259.0	1254.3	1262.2
17.5°	1312.7	1322.3	1312.7	1312.2	1310.0	1316.4	1316.9	1324.9	1316.4	1322.3
20°	1391.8	1405.1	1397.2	1399.8	1395.0	1397.7	1400.3	1412.0	1398.7	1403.0
22.5°	1503.4	1519.3	1510.8	1520.9	1517.7	1515.6	1515.1	1535.8	1515.1	1516.7
25°	1666.0	1685.1	1670.2	1684.0	1684.0	1690.9	1698.9	1725.5	1690.9	1680.8
27.5°	1906.1	1925.2	1896.0	1904.5	1901.8	1918.8	1910.3	1976.2	1939.0	1922.6
30°	2195.1	2229.1	2173.8	2171.7	2169.0	2196.1	2208.4	2251.9	2214.2	2197.7
32.5°	2507.4	2543.0	2477.2	2458.0	2447.9	2464.4	2454.3	2489.4	2463.4	2437.9
35°	2837.9	2872.9	2810.2	2773.1	2732.7	2698.2	2662.0	2671.1	2646.6	2607.8
37.5°	3150.2	3214.5	3148.1	3108.3	3033.9	2966.4	2865.5	2823.5	2800.7	2765.1
40°	3468.5	3505.1	3454.6	3420.6	3339.9	3234.2	3072.7	2984.0	2953.2	2918.6
42.5°	3702.7	3737.8	3710.7	3687.3	3624.1	3501.4	3292.6	3181.6	3137.0	3098.2
45°	3888.7	3914.7	3897.7	3906.2	3879.1	3760.1	3520.5	3393.5	3347.3	3300.1
47.5°	3963.6	3991.2	4018.3	4068.8	4115.0	4027.3	3765.4	3623.0	3574.2	3525.8
50°	3955.1	3983.2	4061.8	4169.2	4312.6	4283.4	4023.6	3867.4	3822.3	3767.0
52.5°	3887.1	3918.9	4019.9	4198.4	4426.8	4475.1	4286.6	4119.8	4077.3	4011.4
55°	3708.6	3727.7	3879.1	4132.0	4453.9	4609.0	4544.2	4388.6	4346.1	4254.2
57.5°	3377.6	3405.2	3625.7	3952.9	4385.9	4699.9	4770.5	4671.2	4630.3	4498.0
60°	2945.7	2989.8	3242.1	3652.3	4212.7	4699.3	4976.1	4949.0	4915.0	4738.1
62.5°	2457.0	2508.0	2750.8	3227.3	3909.9	4566.0	5104.7	5181.7	5164.2	4959.6
65°	1887.0	1922.0	2163.7	2677.4	3438.7	4279.7	5119.5	5340.5	5343.7	5128.0
67.5°	1256.4	1357.3	1567.2	2009.1	2807.6	3811.6	4988.9	5366.6	5397.4	5185.9
70°	613.0	745.9	951.4	1305.8	2009.1	3093.9	4647.3	5153.0	5221.5	5017.0
72.5°	254.5	297.5	409.6	644.4	1153.3	2087.8	3960.9	4574.0	4700.9	4445.4
75°	171.6	185.9	234.3	330.4	525.4	1029.5	2856.5	3410.5	3615.1	3357.4
77.5°	132.3	141.3	170.5	231.1	312.4	389.4	1528.9	2055.4	2161.1	2000.6
80°	104.1	111.0	127.5	168.4	221.5	208.2	521.1	931.3	992.4	832.5
82.5°	90.3	93.0	91.4	114.2	147.2	121.7	171.1	343.7	379.3	275.2
85°	65.3	72.8	76.0	70.7	78.1	61.6	70.1	121.7	133.9	119.5
87.5°	26.6	39.3	48.3	45.7	28.7	17.5	21.8	35.6	40.9	44.6
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°
1121.4	0°	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4	1121.4
1122.0	2.5°	1122.5	1126.2	1128.9	1132.1	1134.2	1137.4	1143.8	1147.5	1148.0	1150.7
1130.5	5°	1132.6	1137.9	1143.8	1152.3	1161.8	1169.8	1182.0	1190.5	1193.7	1196.3
1151.2	7.5°	1154.4	1161.8	1172.4	1187.3	1201.1	1211.8	1226.6	1236.7	1246.8	1250.5
1184.1	10°	1186.8	1197.4	1212.8	1233.0	1247.9	1261.7	1277.1	1285.6	1295.7	1299.9
1223.4	12.5°	1227.2	1238.3	1258.5	1286.7	1300.5	1310.0	1315.3	1313.2	1315.3	1319.1
1270.7	15°	1273.4	1285.6	1308.4	1338.7	1348.3	1339.8	1328.1	1317.5	1315.9	1316.9
1328.1	17.5°	1328.1	1337.1	1363.7	1389.2	1382.3	1347.2	1321.7	1304.7	1296.2	1293.6
1401.4	20°	1404.6	1404.6	1426.4	1442.3	1396.1	1336.6	1296.8	1269.1	1251.6	1244.2
1501.3	22.5°	1497.6	1489.1	1502.9	1491.7	1393.4	1306.8	1251.6	1203.8	1177.2	1166.6
1641.0	25°	1615.5	1605.4	1601.7	1532.6	1374.3	1259.6	1169.8	1111.9	1088.5	1082.7
1842.3	27.5°	1793.5	1768.0	1719.6	1554.9	1339.3	1185.2	1074.2	1020.5	1007.2	1007.8
2101.0	30°	2030.4	1979.4	1860.9	1558.7	1281.9	1080.0	976.4	938.2	931.8	934.4
2318.3	32.5°	2249.8	2201.5	2005.4	1541.7	1193.7	976.9	888.8	863.3	853.7	856.9
2484.1	35°	2421.9	2408.6	2139.3	1517.7	1085.3	880.3	810.1	788.4	769.8	765.5
2640.3	37.5°	2584.5	2579.2	2239.7	1484.3	978.0	811.7	746.9	718.2	691.1	676.3
2812.9	40°	2763.0	2757.7	2305.6	1432.7	882.9	752.2	690.1	652.4	618.9	591.8
3008.4	42.5°	2963.8	2932.4	2336.9	1358.9	802.2	701.8	643.9	592.9	548.8	523.8
3229.4	45°	3183.2	3112.5	2336.4	1264.9	734.2	655.5	594.5	522.2	481.3	457.9
3456.2	47.5°	3415.9	3284.6	2307.7	1160.8	668.3	604.5	518.0	462.7	435.6	421.3
3702.7	50°	3656.0	3445.6	2258.8	1041.2	600.8	546.6	470.1	432.4	411.7	398.4
3947.1	52.5°	3881.8	3591.7	2199.9	905.8	532.3	490.3	448.9	419.7	397.9	383.0
4184.0	55°	4091.6	3717.6	2116.5	767.1	476.5	452.6	438.8	414.4	389.4	371.9
4424.7	57.5°	4278.1	3799.4	1972.5	637.0	436.7	426.6	428.2	405.3	376.6	361.8
4661.6	60°	4433.2	3859.4	1759.5	516.4	404.3	401.1	411.7	388.3	354.9	337.9
4861.9	62.5°	4526.1	3858.4	1498.1	422.9	376.6	377.7	389.9	367.1	333.1	317.1
4966.5	65°	4518.2	3763.8	1211.2	361.8	350.1	351.1	367.1	343.7	315.0	305.5
4914.0	67.5°	4358.3	3533.3	929.1	321.9	320.9	325.6	344.2	327.8	303.9	302.8
4600.5	70°	3925.3	3054.6	669.4	290.1	290.6	297.5	321.9	317.7	298.0	300.1
3867.9	72.5°	3147.6	2328.9	449.4	256.6	257.1	268.3	300.7	309.7	292.2	320.3
2744.4	75°	2096.3	1452.4	289.0	221.0	221.5	235.9	282.1	294.3	276.2	319.3
1428.0	77.5°	1007.2	652.9	209.3	185.9	185.9	199.2	243.8	263.5	235.3	248.1
459.0	80°	348.0	245.4	164.7	149.8	146.6	155.7	205.6	228.4	202.9	187.0
149.8	82.5°	137.1	127.5	132.3	116.3	105.7	111.6	159.9	188.6	149.3	134.9
84.5	85°	78.6	82.9	93.5	77.0	61.1	68.5	117.4	135.5	112.6	99.3
27.6	87.5°	21.2	29.2	43.0	39.8	27.6	29.2	55.8	74.9	64.8	49.9
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°
1121.4
1150.1
1195.8
1251.1
1302.1
1320.1
1320.7
1297.3
1242.6
1165.0
1083.7
1009.4
943.5
861.1
768.7
676.8
594.5
525.4
456.9
418.1
393.6
376.6
365.0
352.2
330.4
312.4
304.9
304.4
299.6
324.6
321.9
227.4
175.3
134.4
101.5
51.5
0.0

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