

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: P846228

Luminaire Tested: **GLAN-SB1D-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846228  
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-SB1D-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9840 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

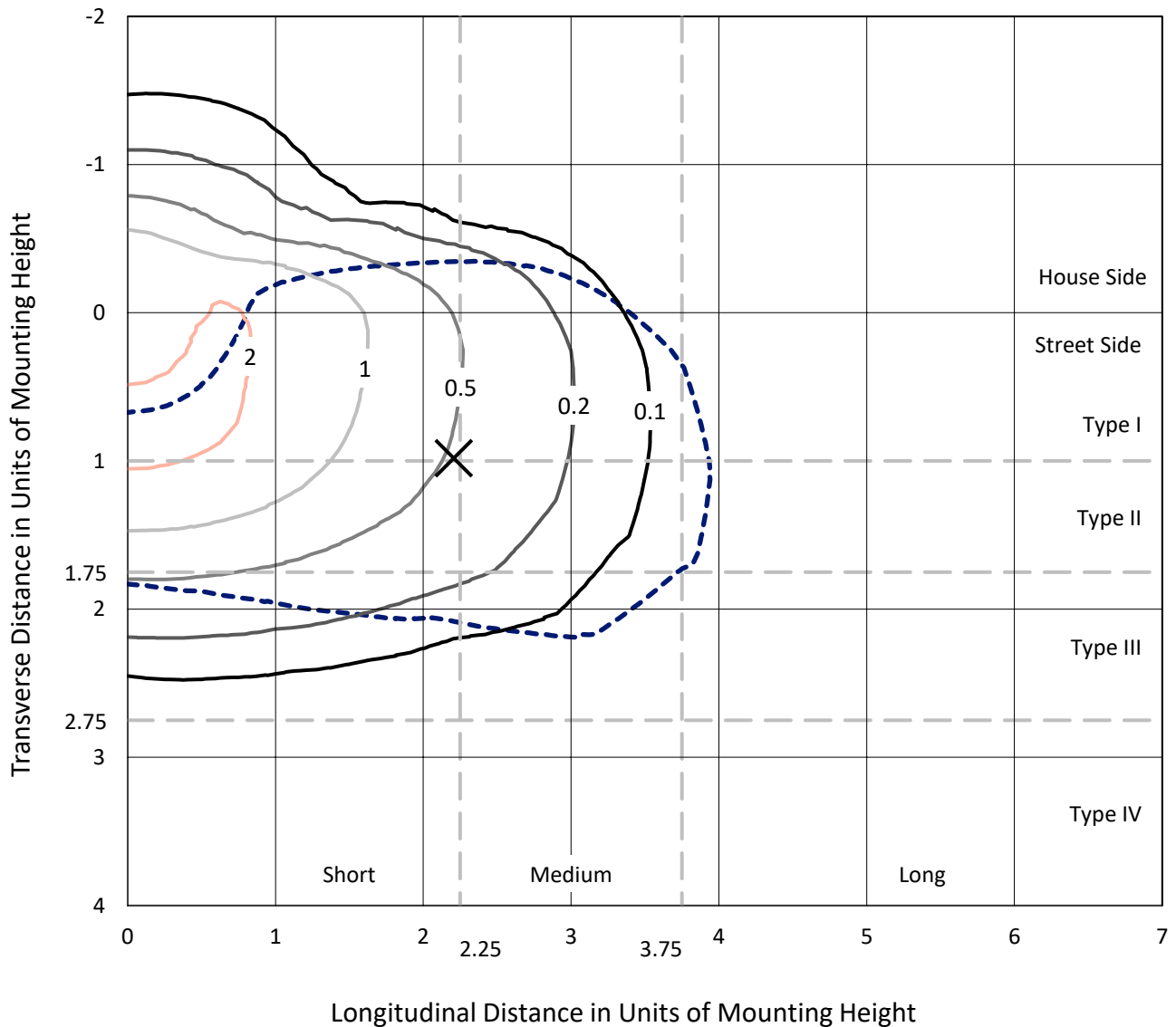
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

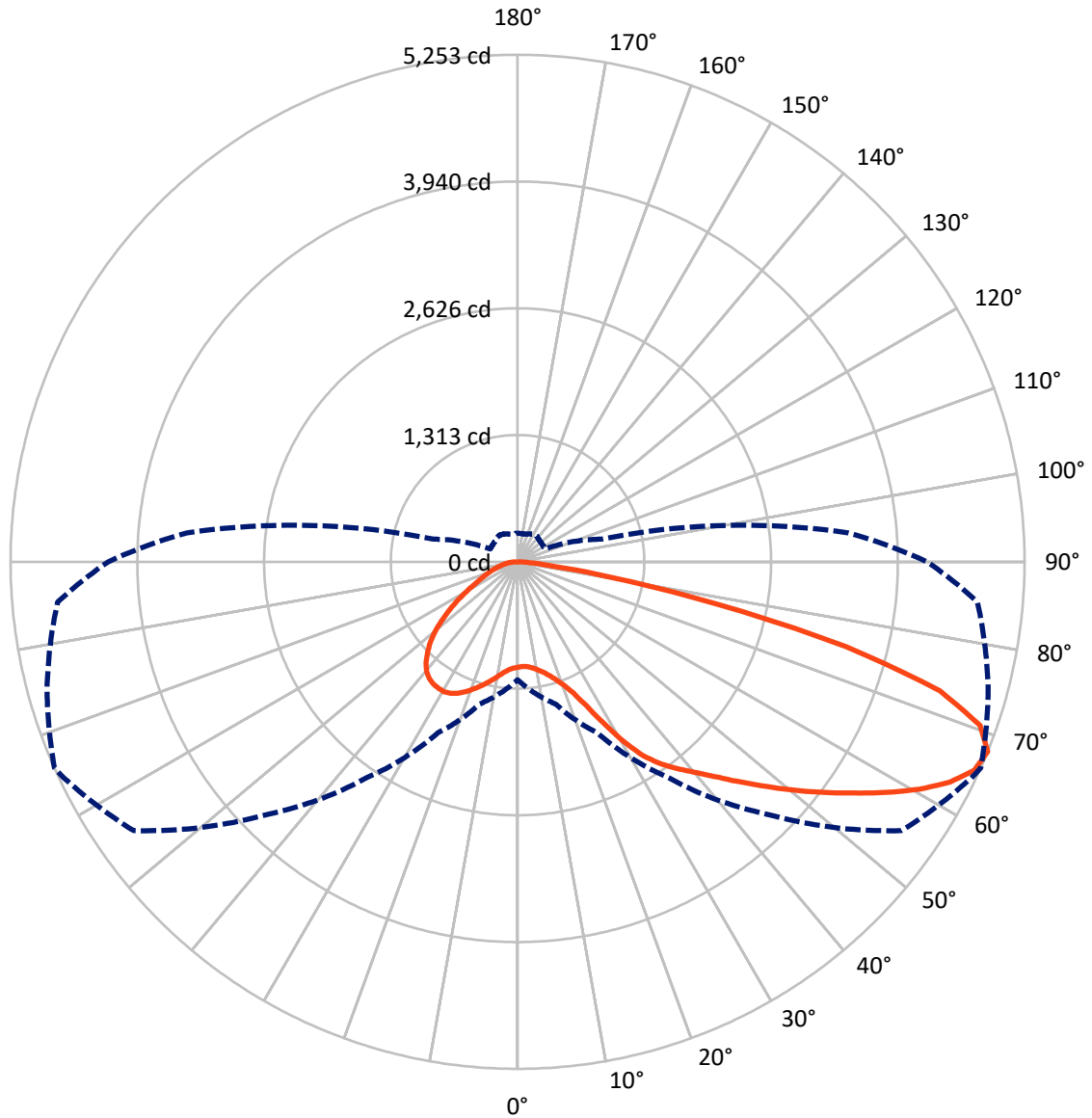
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2446.7	0.0	2446.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	7393.3	0.0	7393.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	9840.0	0.0	9840.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.2	1.1
10°-20°	357.5	3.6
20°-30°	689.1	7.0
30°-40°	1208.2	12.3
40°-50°	1796.2	18.3
50°-60°	2276.8	23.1
60°-70°	2227.8	22.6
70°-80°	1062.7	10.8
80°-90°	113.6	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°	9840.0	100.0
0°-180°	9840.0	100.0

**Coefficient of Utilization**



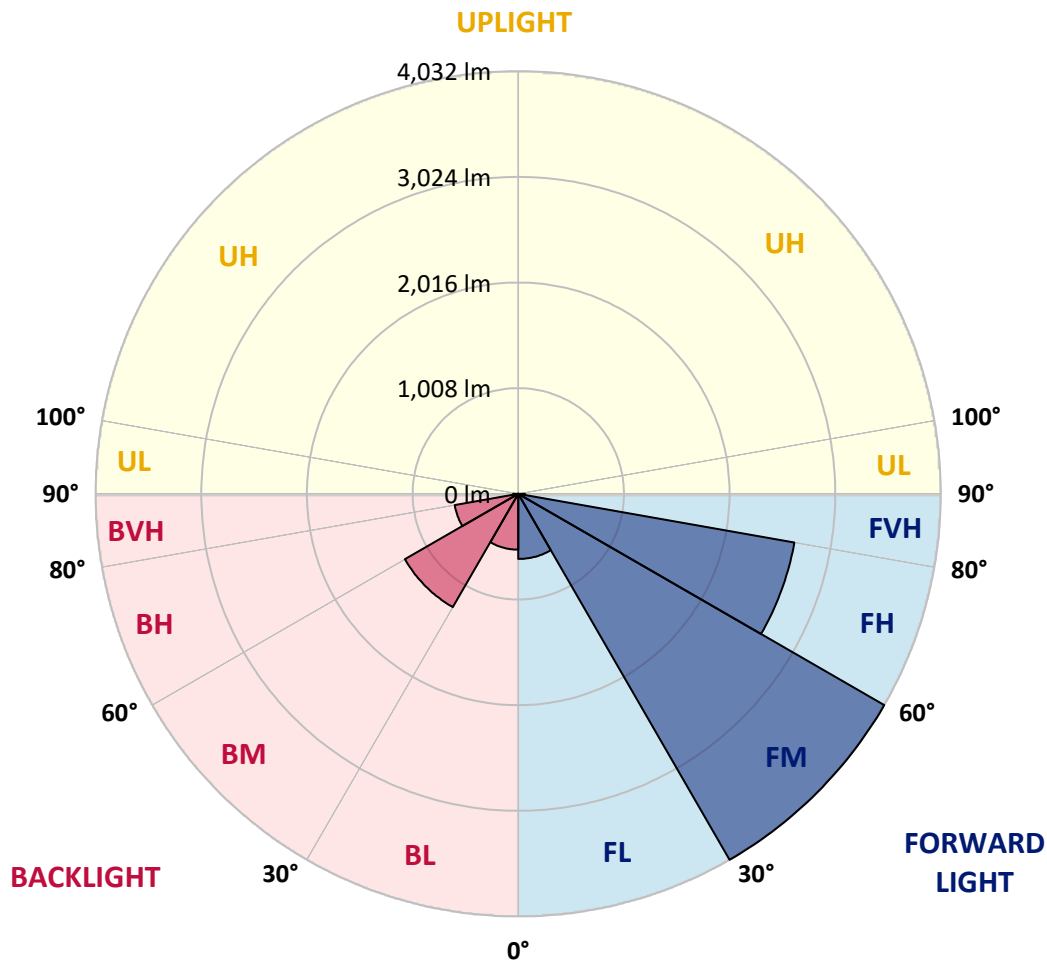
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.8	6.3			
FM (30°-60°)	4032.3	41.0			
FH (60°-80°)	2674.8	27.2			G2/5000
FVH (80°-90°)	64.4	0.7			G1/100
BL (0°-30°)	533.0	5.4	B2/1000		
BM (30°-60°)	1248.8	12.7	B2/2500		
BH (60°-80°)	615.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	49.2	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°	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4
2.5°	1080.0	1086.2	1084.7	1082.1	1081.6	1082.6	1084.1	1085.7	1085.2	1087.8
5°	1076.9	1083.1	1082.6	1082.6	1084.7	1088.8	1091.4	1094.0	1091.4	1094.5
7.5°	1079.0	1083.6	1085.7	1087.8	1092.9	1100.7	1106.9	1112.6	1109.5	1113.1
10°	1105.3	1109.0	1111.0	1111.0	1114.7	1123.4	1129.6	1140.0	1137.4	1143.1
12.5°	1153.4	1157.0	1157.0	1155.0	1157.6	1163.2	1165.3	1176.7	1172.0	1181.3
15°	1212.4	1219.6	1213.9	1210.3	1211.3	1217.0	1216.5	1225.3	1220.6	1228.4
17.5°	1277.5	1286.8	1277.5	1277.0	1274.9	1281.1	1281.6	1289.4	1281.1	1286.8
20°	1354.5	1367.5	1359.7	1362.3	1357.6	1360.2	1362.8	1374.2	1361.3	1365.4
22.5°	1463.1	1478.6	1470.3	1480.2	1477.1	1475.0	1474.5	1494.6	1474.5	1476.0
25°	1621.3	1639.9	1625.4	1638.9	1638.9	1645.6	1653.4	1679.2	1645.6	1635.8
27.5°	1855.0	1873.6	1845.2	1853.4	1850.9	1867.4	1859.1	1923.2	1887.0	1871.0
30°	2136.2	2169.3	2115.6	2113.5	2110.9	2137.3	2149.2	2191.6	2154.9	2138.8
32.5°	2440.2	2474.9	2410.8	2392.2	2382.3	2398.4	2388.5	2422.7	2397.3	2372.5
35°	2761.8	2795.9	2734.9	2698.7	2659.4	2625.8	2590.7	2599.5	2575.7	2538.0
37.5°	3065.8	3128.4	3063.7	3025.0	2952.6	2886.9	2788.7	2747.9	2725.6	2691.0
40°	3375.5	3411.2	3362.0	3329.0	3250.4	3147.5	2990.3	2904.0	2874.0	2840.4
42.5°	3603.5	3637.6	3611.2	3588.5	3527.0	3407.5	3204.4	3096.3	3052.9	3015.1
45°	3784.4	3809.8	3793.2	3801.5	3775.1	3659.3	3426.2	3302.6	3257.6	3211.6
47.5°	3857.3	3884.2	3910.6	3959.7	4004.7	3919.4	3664.5	3525.9	3478.4	3431.3
50°	3849.1	3876.5	3953.0	4057.4	4197.0	4168.6	3915.8	3763.8	3719.8	3666.0
52.5°	3782.9	3813.9	3912.1	4085.8	4308.2	4355.2	4171.7	4009.3	3968.0	3903.9
55°	3609.2	3627.8	3775.1	4021.2	4334.5	4485.5	4422.4	4270.9	4229.6	4140.1
57.5°	3287.1	3314.0	3528.5	3847.0	4268.3	4573.9	4642.7	4546.0	4506.2	4377.4
60°	2866.8	2909.7	3155.2	3554.4	4099.8	4573.4	4842.7	4816.4	4783.3	4611.1
62.5°	2391.1	2440.8	2677.0	3140.8	3805.1	4443.6	4967.8	5042.8	5025.8	4826.7
65°	1836.4	1870.5	2105.7	2605.7	3346.5	4164.9	4982.3	5197.4	5200.5	4990.6
67.5°	1222.7	1320.9	1525.1	1955.3	2732.3	3709.5	4855.1	5222.7	5252.7	5046.9
70°	596.6	725.9	925.9	1270.8	1955.3	3011.0	4522.7	5014.9	5081.6	4882.5
72.5°	247.6	289.5	398.6	627.1	1122.4	2031.8	3854.7	4451.4	4574.9	4326.3
75°	167.0	180.9	228.0	321.6	511.3	1001.9	2779.9	3319.1	3518.2	3267.4
77.5°	128.7	137.5	166.0	224.9	304.0	379.0	1487.9	2000.3	2103.2	1947.0
80°	101.3	108.1	124.1	163.9	215.6	202.7	507.2	906.3	965.8	810.1
82.5°	87.9	90.5	88.9	111.2	143.2	118.4	166.5	334.5	369.1	267.8
85°	63.6	70.8	73.9	68.8	76.0	60.0	68.2	118.4	130.3	116.3
87.5°	25.8	38.3	47.0	44.5	27.9	17.1	21.2	34.6	39.8	43.4
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°
1091.4	0°	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4
1091.9	2.5°	1092.4	1096.0	1098.6	1101.7	1103.8	1106.9	1113.1	1116.7	1117.2	1119.8
1100.2	5°	1102.2	1107.4	1113.1	1121.4	1130.7	1138.4	1150.3	1158.6	1161.7	1164.3
1120.3	7.5°	1123.4	1130.7	1141.0	1155.5	1168.9	1179.3	1193.8	1203.6	1213.4	1217.0
1152.4	10°	1155.0	1165.3	1180.3	1200.0	1214.4	1227.9	1242.9	1251.1	1261.0	1265.1
1190.6	12.5°	1194.3	1205.1	1224.8	1252.2	1265.6	1274.9	1280.1	1278.0	1280.1	1283.7
1236.7	15°	1239.2	1251.1	1273.4	1302.8	1312.1	1303.9	1292.5	1282.2	1280.6	1281.6
1292.5	17.5°	1292.5	1301.3	1327.1	1352.0	1345.2	1311.1	1286.3	1269.8	1261.5	1258.9
1363.8	20°	1366.9	1366.9	1388.1	1403.7	1358.7	1300.8	1262.0	1235.1	1218.1	1210.8
1461.0	22.5°	1457.4	1449.1	1462.6	1451.7	1356.1	1271.8	1218.1	1171.5	1145.7	1135.3
1597.0	25°	1572.2	1562.4	1558.8	1491.5	1337.5	1225.8	1138.4	1082.1	1059.3	1053.6
1793.0	27.5°	1745.4	1720.6	1673.5	1513.3	1303.4	1153.4	1045.4	993.2	980.2	980.7
2044.7	30°	1976.0	1926.3	1811.0	1516.9	1247.5	1051.1	950.2	913.0	906.8	909.4
2256.2	32.5°	2189.5	2142.4	1951.7	1500.3	1161.7	950.8	864.9	840.1	830.8	833.9
2417.5	35°	2357.0	2344.1	2082.0	1477.1	1056.2	856.7	788.4	767.2	749.1	745.0
2569.5	37.5°	2515.2	2510.0	2179.7	1444.5	951.8	790.0	726.9	699.0	672.6	658.1
2737.5	40°	2688.9	2683.7	2243.8	1394.3	859.3	732.1	671.6	634.9	602.3	575.9
2927.8	42.5°	2884.3	2853.8	2274.3	1322.5	780.7	683.0	626.6	577.0	534.1	509.8
3142.8	45°	3097.9	3029.1	2273.8	1231.0	714.5	638.0	578.5	508.2	468.4	445.7
3363.6	47.5°	3324.3	3196.6	2245.8	1129.6	650.4	588.3	504.1	450.3	423.9	410.0
3603.5	50°	3558.0	3353.3	2198.3	1013.3	584.7	532.0	457.5	420.8	400.7	387.7
3841.3	52.5°	3777.7	3495.4	2140.9	881.5	518.0	477.2	436.9	408.4	387.2	372.8
4071.9	55°	3981.9	3618.0	2059.7	746.5	463.7	440.5	427.0	403.3	379.0	361.9
4306.1	57.5°	4163.4	3697.6	1919.6	619.9	425.0	415.2	416.7	394.5	366.6	352.1
4536.7	60°	4314.4	3756.0	1712.3	502.5	393.4	390.3	400.7	377.9	345.4	328.8
4731.6	62.5°	4404.8	3755.0	1457.9	411.5	366.6	367.6	379.5	357.2	324.2	308.6
4833.4	65°	4397.1	3662.9	1178.8	352.1	340.7	341.7	357.2	334.5	306.6	297.3
4782.2	67.5°	4241.5	3438.6	904.2	313.3	312.3	316.9	335.0	319.0	295.7	294.7
4477.2	70°	3820.1	2972.7	651.4	282.3	282.8	289.5	313.3	309.2	290.0	292.1
3764.3	72.5°	3063.2	2266.5	437.4	249.7	250.2	261.1	292.6	301.4	284.3	311.8
2670.8	75°	2040.1	1413.5	281.2	215.1	215.6	229.5	274.5	286.4	268.8	310.7
1389.7	77.5°	980.2	635.4	203.7	180.9	180.9	193.9	237.3	256.4	229.0	241.4
446.7	80°	338.6	238.9	160.3	145.8	142.7	151.5	200.1	222.3	197.5	182.0
145.8	82.5°	133.4	124.1	128.7	113.2	102.9	108.6	155.6	183.5	145.3	131.3
82.2	85°	76.5	80.7	91.0	75.0	59.5	66.7	114.3	131.8	109.6	96.7
26.9	87.5°	20.7	28.4	41.9	38.8	26.9	28.4	54.3	72.9	63.1	48.6
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°
1091.4
1119.3
1163.8
1217.5
1267.2
1284.7
1285.3
1262.5
1209.3
1133.8
1054.7
982.3
918.2
838.1
748.1
658.7
578.5
511.3
444.6
406.9
383.1
366.6
355.2
342.8
321.6
304.0
296.8
296.2
291.6
315.9
313.3
221.3
170.6
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98.7
50.1
0.0

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