

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: P846486

Luminaire Tested: **GLAN-SB2A-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846486
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-SB2A-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7632 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

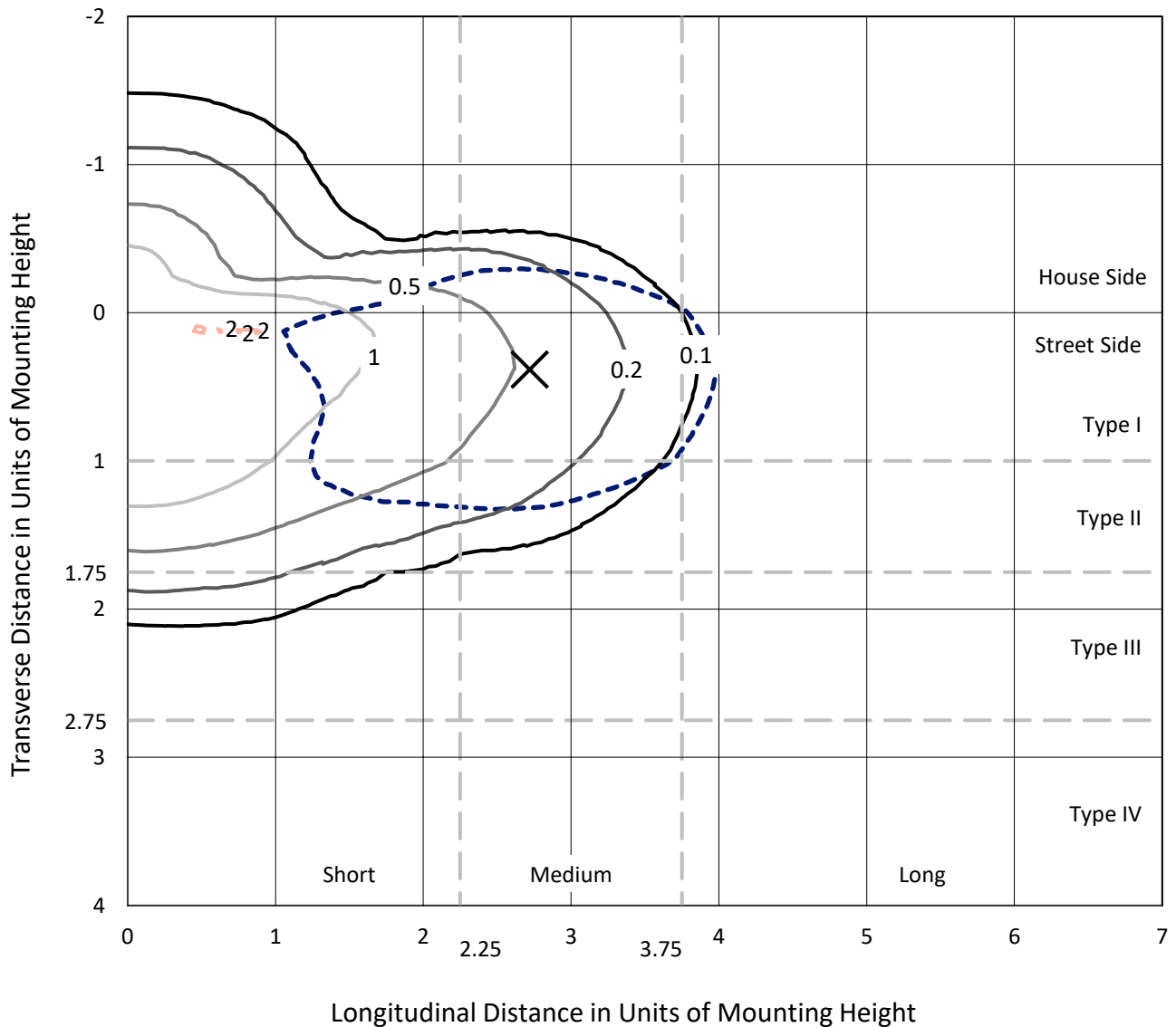
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

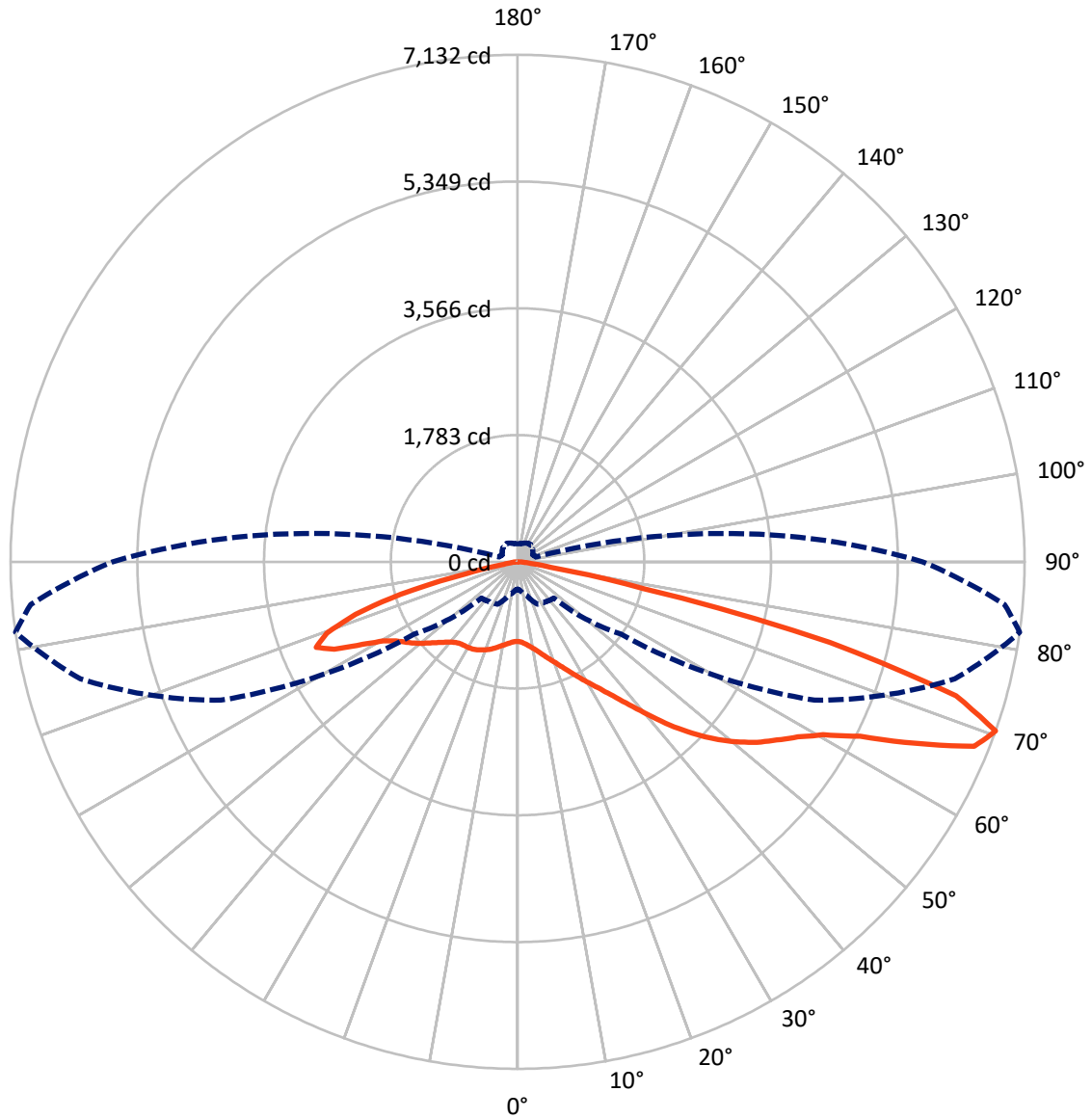
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	1881.5	0.0	1881.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5750.5	0.0	5750.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	7632.0	0.0	7632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	1.4
10°-20°	303.5	4.0
20°-30°	507.8	6.7
30°-40°	793.3	10.4
40°-50°	1263.4	16.6
50°-60°	1758.2	23.0
60°-70°	1839.1	24.1
70°-80°	961.2	12.6
80°-90°	99.8	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°	7632.0	100.0
0°-180°	7632.0	100.0

Coefficient of Utilization



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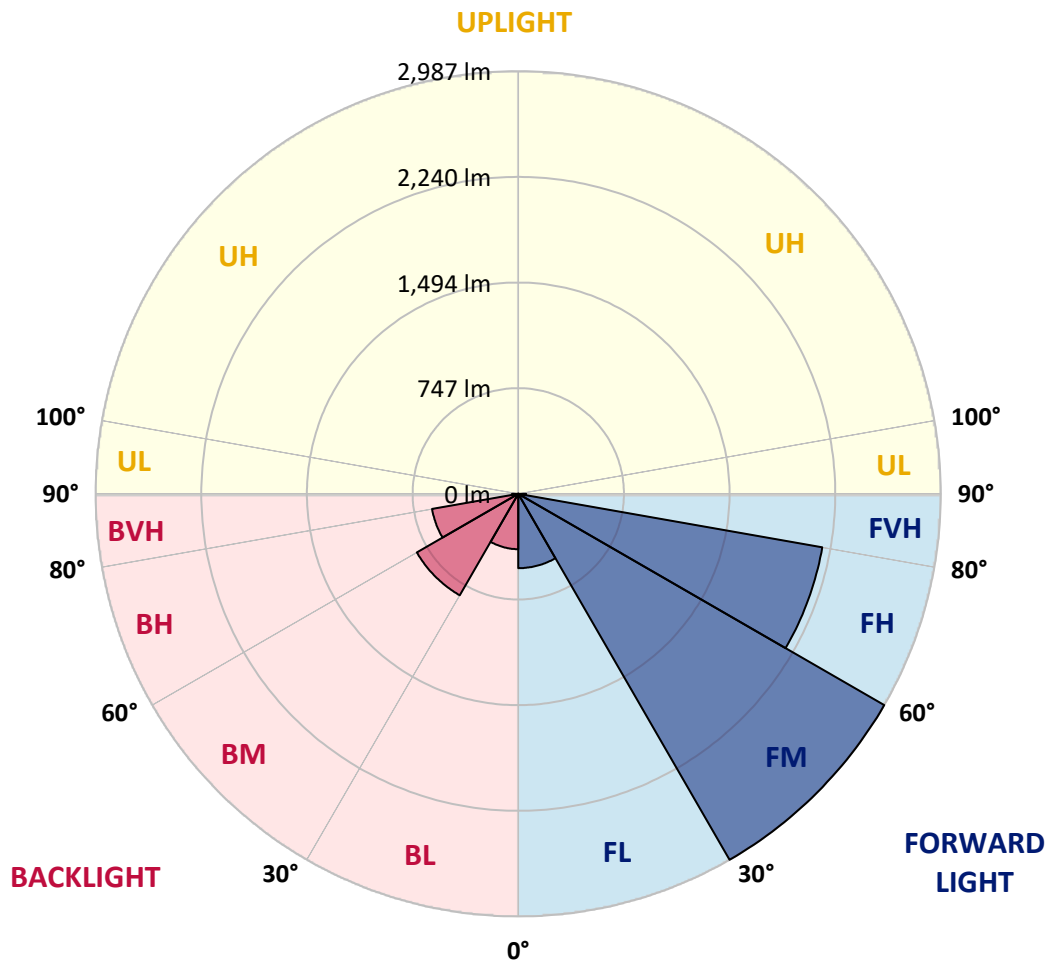
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.5	6.9			
FM (30°-60°)	2987.1	39.1			
FH (60°-80°)	2182.0	28.6			G2/5000
FVH (80°-90°)	55.9	0.7			G1/100
BL (0°-30°)	391.4	5.1	B1/500		
BM (30°-60°)	827.8	10.8	B1/1000		
BH (60°-80°)	618.3	8.1	B2/1000		G2/1000
BVH (80°-90°)	43.9	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°	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
2.5°	1145.7	1152.2	1150.1	1148.1	1148.1	1145.3	1144.9	1140.8	1137.6	1132.3
5°	1160.3	1167.1	1166.3	1167.9	1173.2	1174.4	1175.6	1173.2	1166.7	1160.3
7.5°	1147.3	1155.0	1157.4	1167.1	1183.3	1197.9	1208.9	1213.3	1207.2	1197.9
10°	1103.6	1112.1	1120.6	1143.7	1172.4	1206.8	1236.0	1253.4	1252.2	1243.3
12.5°	1014.9	1023.8	1042.0	1087.0	1139.6	1200.3	1254.6	1291.1	1303.6	1297.1
15°	944.0	951.7	965.5	1011.6	1080.1	1172.4	1261.5	1332.4	1364.4	1360.7
17.5°	942.0	945.2	953.7	975.6	1028.2	1128.7	1254.2	1372.9	1434.0	1433.6
20°	977.6	978.8	983.7	988.1	1018.1	1095.5	1235.6	1406.5	1512.2	1512.2
22.5°	1027.0	1026.2	1031.1	1027.0	1041.6	1092.6	1223.8	1436.0	1599.2	1605.7
25°	1101.1	1097.1	1095.9	1086.5	1089.4	1118.9	1236.8	1469.7	1702.5	1715.9
27.5°	1199.9	1193.5	1189.0	1167.5	1160.3	1173.2	1276.5	1510.2	1817.5	1840.6
30°	1328.7	1317.0	1310.5	1273.2	1246.9	1248.9	1336.4	1564.0	1937.8	1975.1
32.5°	1504.5	1486.3	1468.8	1407.7	1359.5	1343.7	1413.8	1638.5	2068.2	2127.7
35°	1701.3	1686.7	1668.1	1573.7	1499.6	1463.2	1518.3	1742.6	2220.9	2315.2
37.5°	1890.8	1878.3	1887.2	1760.0	1664.4	1611.4	1655.1	1882.3	2409.2	2548.5
40°	2086.8	2077.1	2078.3	1956.8	1845.5	1785.9	1821.2	2057.7	2625.0	2825.9
42.5°	2299.9	2292.6	2268.3	2160.5	2035.4	1979.9	2012.3	2260.2	2856.7	3141.8
45°	2538.4	2533.9	2511.3	2387.7	2244.4	2182.0	2225.7	2483.7	3089.6	3439.0
47.5°	2744.5	2748.2	2745.3	2641.2	2492.6	2401.1	2453.3	2717.0	3306.2	3718.5
50°	2843.7	2862.8	2890.7	2858.3	2766.0	2672.8	2683.0	2942.1	3512.8	3980.5
52.5°	2791.9	2827.9	2904.1	2955.9	2991.6	2972.1	2945.0	3165.7	3707.1	4217.0
55°	2598.7	2649.3	2775.7	2900.8	3082.7	3224.0	3259.6	3413.5	3896.7	4425.2
57.5°	2246.8	2329.0	2442.4	2695.5	3001.7	3345.9	3626.6	3757.4	4097.5	4647.5
60°	1643.4	1753.5	1894.5	2271.1	2718.2	3280.7	3938.8	4285.4	4383.0	4935.4
62.5°	1051.7	1119.8	1249.3	1604.1	2118.0	2946.6	4034.4	4945.6	4867.0	5407.6
65°	720.0	763.8	882.4	1081.7	1369.2	2193.3	3778.4	5440.4	5635.6	6156.0
67.5°	523.2	556.4	657.7	832.2	892.2	1297.9	2932.0	5417.8	6382.8	6927.1
70°	381.5	405.0	490.0	657.7	686.4	722.1	1776.2	4605.4	6366.6	7132.0
72.5°	282.7	298.9	356.0	510.3	555.6	487.6	879.2	3347.1	5470.8	6450.9
75°	204.5	216.7	258.8	390.4	444.7	371.4	438.6	1956.0	3816.1	4537.7
77.5°	156.3	165.6	193.2	285.9	356.0	278.6	272.1	899.9	1809.4	1818.3
80°	125.5	131.6	146.6	201.3	273.0	208.6	177.4	363.3	571.8	483.9
82.5°	92.3	102.5	123.9	141.3	195.2	143.8	108.1	183.5	217.5	187.1
85°	52.6	59.5	74.9	101.2	124.7	87.9	62.0	81.4	101.2	83.0
87.5°	18.6	24.3	26.3	39.7	54.3	36.4	23.9	23.5	33.2	24.7
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°
1118.9	0°	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
1131.1	2.5°	1127.0	1125.0	1116.9	1106.0	1094.6	1083.7	1080.1	1072.4	1067.1	1064.3
1157.4	5°	1149.7	1143.2	1124.2	1099.9	1074.4	1046.9	1027.4	1009.6	996.6	984.5
1193.5	7.5°	1182.1	1170.8	1138.0	1095.5	1050.1	1004.3	970.3	944.4	927.0	915.6
1235.6	10°	1219.8	1202.4	1152.2	1088.6	1018.5	952.9	912.8	890.5	879.6	873.5
1283.8	12.5°	1263.1	1238.4	1166.7	1072.8	970.3	895.4	867.9	861.4	861.8	862.2
1344.5	15°	1316.6	1282.2	1178.5	1038.4	907.5	851.3	846.4	856.9	867.9	873.1
1413.4	17.5°	1376.9	1328.3	1180.5	981.7	846.0	822.9	838.3	861.0	877.6	884.9
1490.3	20°	1441.7	1375.3	1165.9	901.5	795.4	799.8	827.4	856.5	874.7	884.1
1578.2	22.5°	1515.8	1425.5	1131.1	817.2	754.1	774.7	807.1	835.5	854.5	863.8
1681.5	25°	1600.5	1481.8	1076.4	746.4	718.4	746.4	778.8	802.3	817.6	826.1
1796.9	27.5°	1694.4	1540.5	1003.5	690.1	687.2	717.2	743.9	762.2	770.3	776.7
1919.6	30°	1788.8	1594.0	915.2	647.6	660.1	688.5	707.5	715.6	718.0	719.2
2056.5	32.5°	1890.8	1640.1	822.5	612.3	634.2	660.5	671.9	675.5	664.2	656.5
2222.5	35°	2014.3	1689.6	731.8	584.4	608.7	631.4	635.0	631.8	618.4	602.6
2430.7	37.5°	2167.0	1751.1	659.3	564.5	584.8	599.8	595.3	594.5	595.7	577.1
2680.9	40°	2354.1	1831.3	606.2	549.1	565.3	568.6	556.0	562.9	569.0	540.6
2955.5	42.5°	2561.9	1928.1	572.6	538.6	549.1	541.5	522.0	529.7	528.9	491.6
3231.3	45°	2773.7	2033.4	560.9	530.9	534.2	518.8	497.3	499.3	482.3	448.7
3495.7	47.5°	2984.3	2146.4	568.2	524.4	515.5	498.1	481.5	472.6	447.5	422.4
3749.3	50°	3190.8	2265.0	594.9	511.5	490.0	479.9	467.7	452.0	425.2	403.8
3989.0	52.5°	3382.4	2384.5	624.9	490.0	458.0	464.1	456.4	438.2	411.9	390.0
4215.8	55°	3563.8	2504.0	636.6	460.5	428.1	450.3	445.9	412.3	380.7	362.9
4453.1	57.5°	3761.4	2647.7	623.7	422.8	403.8	434.5	417.5	380.3	362.0	348.7
4762.1	60°	4035.2	2873.3	595.7	376.2	380.7	411.0	381.9	366.5	346.7	331.7
5225.4	62.5°	4490.0	3294.1	550.8	330.1	353.5	376.2	364.9	349.5	329.2	314.7
6017.5	65°	5162.2	3878.9	466.1	294.0	323.2	342.2	346.7	331.3	310.2	294.8
6711.7	67.5°	5729.2	4245.8	352.7	264.0	292.0	314.7	327.2	312.2	290.0	275.0
6874.1	70°	5698.0	3979.3	269.3	234.5	264.4	287.5	303.7	292.0	268.1	253.9
6243.9	72.5°	5061.0	3328.9	217.9	204.5	236.5	259.2	278.6	269.7	245.4	231.6
4574.2	75°	3718.1	2363.0	174.1	174.1	201.7	229.6	251.1	245.4	223.1	213.4
1920.4	77.5°	1567.3	991.4	136.5	144.6	167.7	197.2	224.0	226.0	206.5	218.7
507.8	80°	416.7	273.4	104.1	113.8	131.6	162.8	194.8	194.0	172.9	161.6
188.7	82.5°	158.8	107.7	74.1	80.2	95.2	124.7	154.3	159.2	138.1	119.5
74.1	85°	61.2	46.2	45.8	48.2	55.5	82.6	116.6	120.7	104.1	88.3
20.7	87.5°	15.8	13.8	17.0	16.2	25.5	44.1	66.8	69.3	63.6	36.9
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°
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1118.9
1067.5
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