

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: P847976

Luminaire Tested: **GLAN-SB4B-827-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847976  
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-SB4B-827-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17829 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

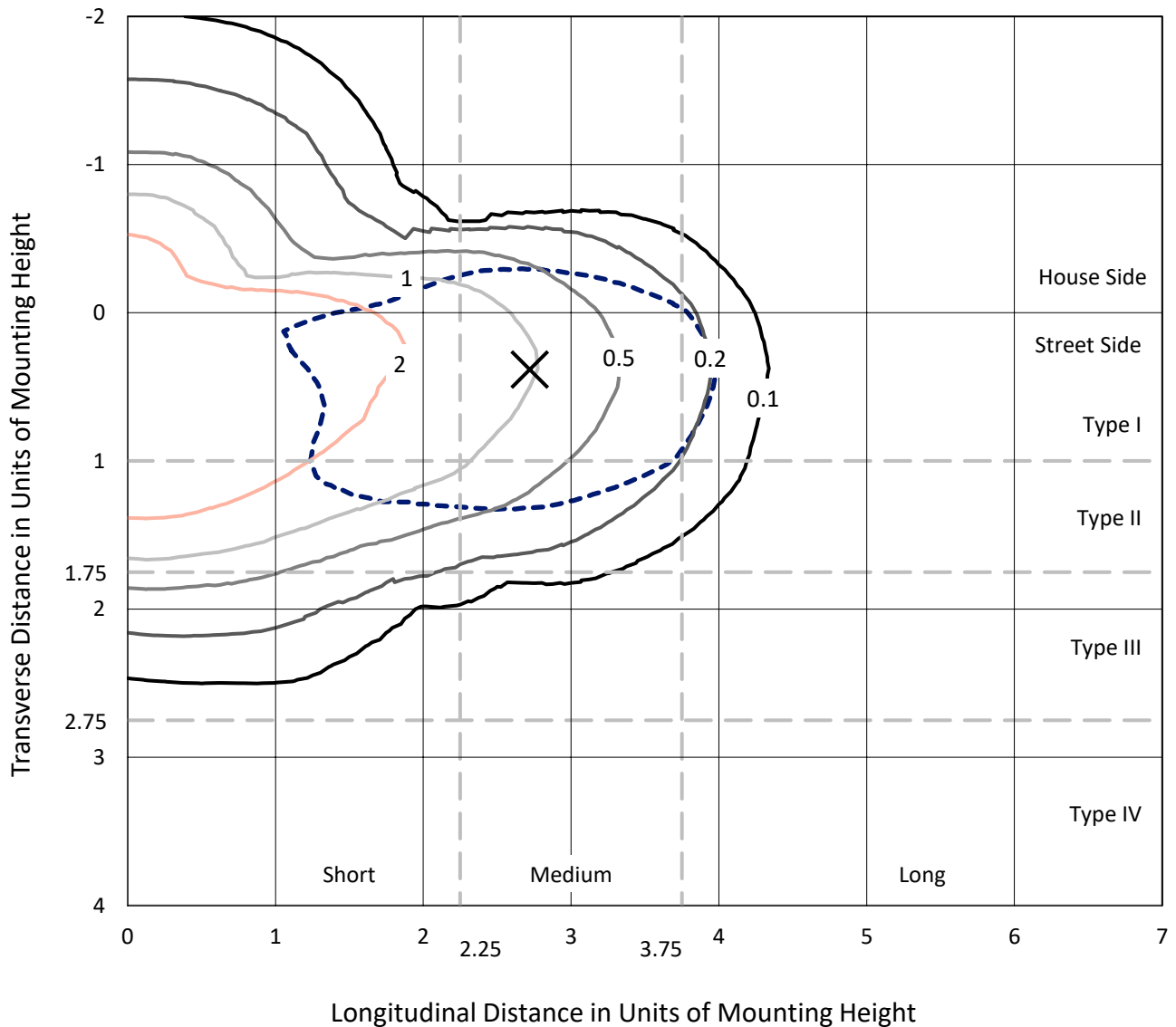
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

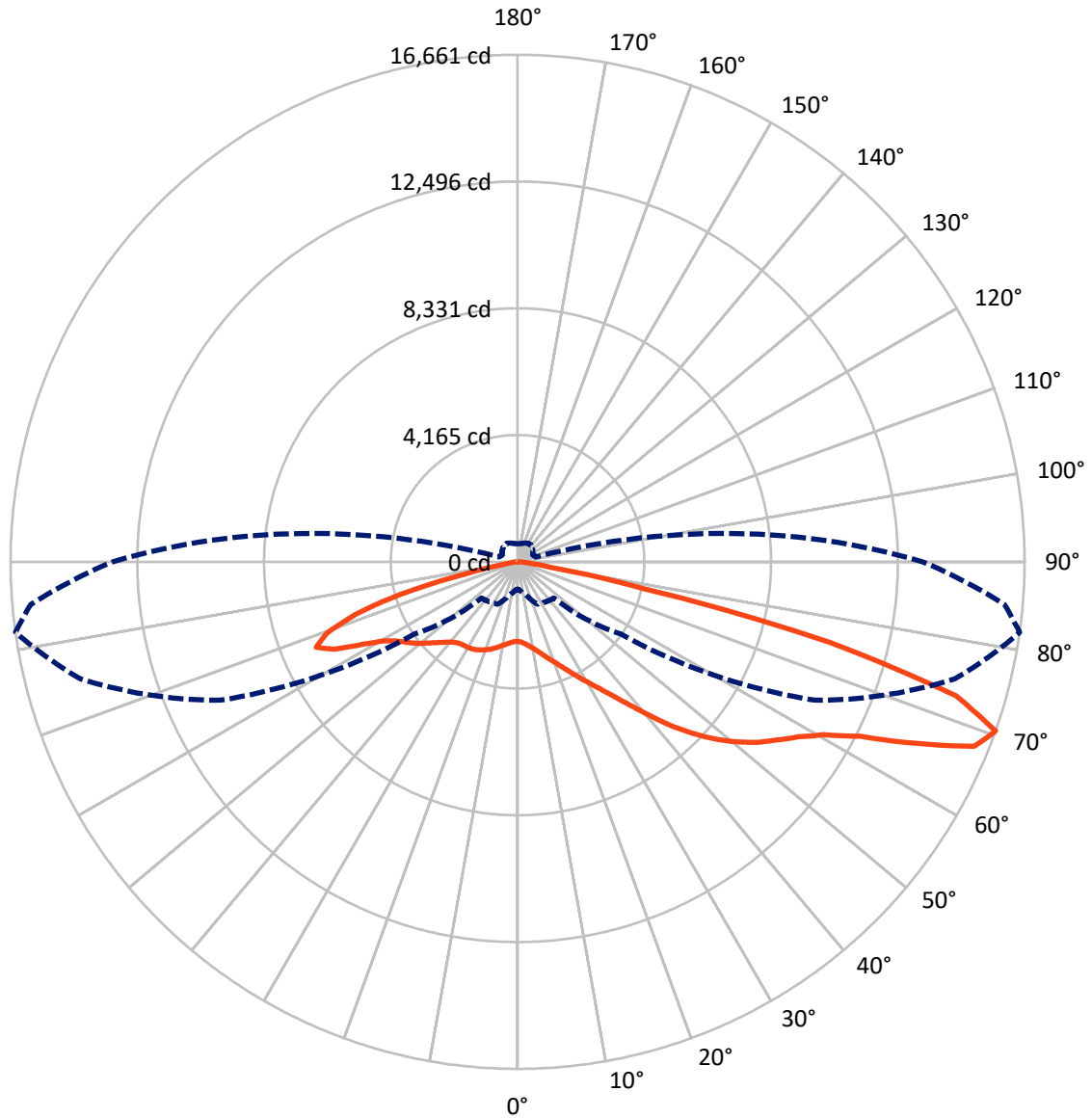
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	4395.3	0.0	4395.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	13433.7	0.0	13433.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	17829.0	0.0	17829.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.8	1.4
10°-20°	709.1	4.0
20°-30°	1186.2	6.7
30°-40°	1853.2	10.4
40°-50°	2951.4	16.6
50°-60°	4107.3	23.0
60°-70°	4296.4	24.1
70°-80°	2245.5	12.6
80°-90°	233.2	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°	17829.0	100.0
0°-180°	17829.0	100.0

**Coefficient of Utilization**

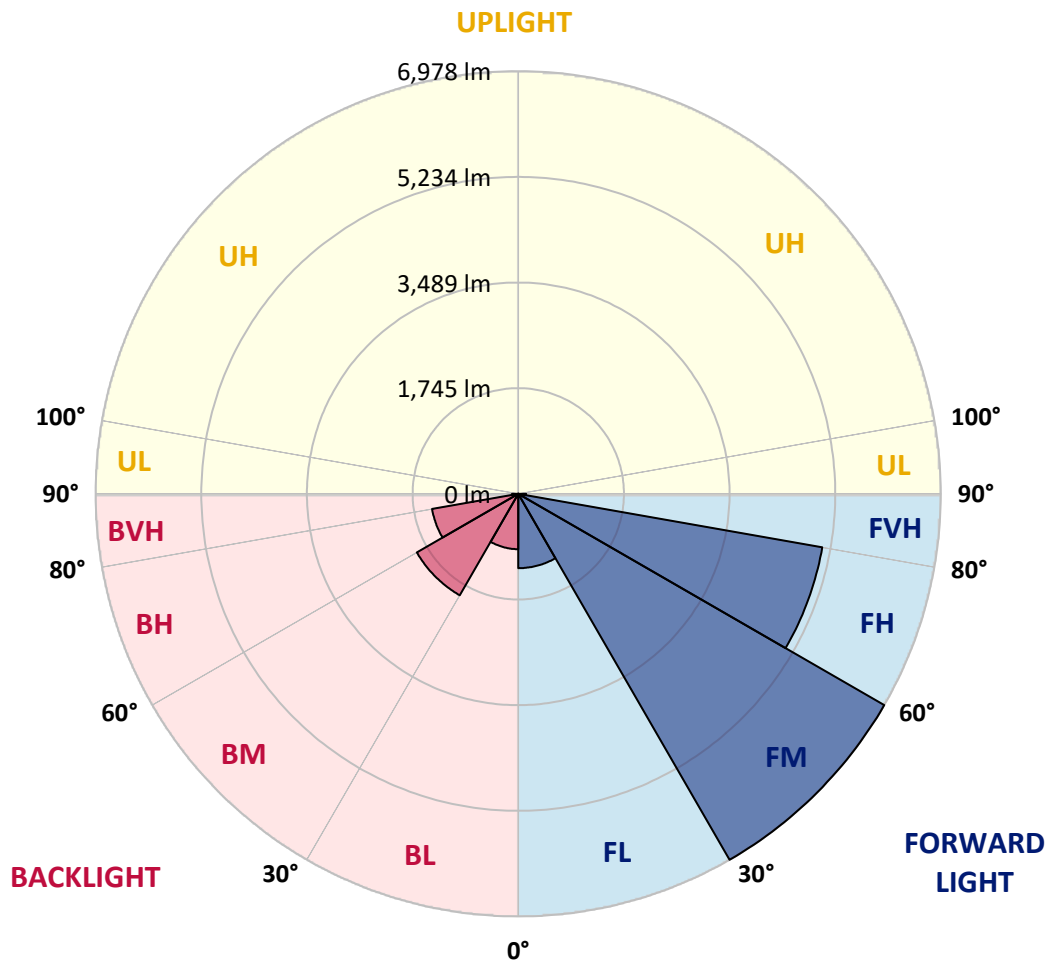


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.7	6.9			
FM (30°-60°)	6978.1	39.1			
FH (60°-80°)	5097.4	28.6			G3/7500
FVH (80°-90°)	130.5	0.7			G2/225
BL (0°-30°)	914.4	5.1	B2/1000		
BM (30°-60°)	1933.7	10.8	B2/2500		
BH (60°-80°)	1444.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	102.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0
2.5°	2676.4	2691.5	2686.8	2682.1	2682.1	2675.4	2674.5	2665.0	2657.5	2645.2
5°	2710.5	2726.5	2724.6	2728.4	2740.7	2743.6	2746.4	2740.7	2725.6	2710.5
7.5°	2680.2	2698.2	2703.8	2726.5	2764.4	2798.4	2824.0	2834.4	2820.2	2798.4
10°	2578.0	2597.9	2617.7	2671.7	2738.8	2819.2	2887.4	2928.0	2925.2	2904.4
12.5°	2370.8	2391.6	2434.2	2539.2	2662.2	2804.1	2930.9	3016.0	3045.4	3030.2
15°	2205.3	2223.2	2255.4	2363.2	2523.1	2738.8	2947.0	3112.5	3187.3	3178.8
17.5°	2200.5	2208.1	2228.0	2279.1	2402.0	2636.7	2929.9	3207.1	3350.0	3349.0
20°	2283.8	2286.6	2298.0	2308.4	2378.4	2559.1	2886.4	3285.7	3532.6	3532.6
22.5°	2399.2	2397.3	2408.7	2399.2	2433.3	2552.5	2859.0	3354.7	3736.0	3751.1
25°	2572.3	2562.9	2560.0	2538.3	2544.9	2614.0	2889.3	3433.2	3977.2	4008.4
27.5°	2803.2	2788.0	2777.6	2727.5	2710.5	2740.7	2982.0	3527.8	4245.9	4299.8
30°	3104.0	3076.6	3061.4	2974.4	2912.9	2917.6	3122.0	3653.7	4526.9	4613.9
32.5°	3514.6	3472.0	3431.3	3288.5	3175.9	3139.0	3302.7	3827.7	4831.5	4970.6
35°	3974.4	3940.3	3896.8	3676.4	3503.2	3418.1	3546.8	4070.9	5188.2	5408.6
37.5°	4417.1	4387.8	4408.6	4111.6	3888.3	3764.4	3866.5	4397.3	5628.1	5953.5
40°	4875.0	4852.3	4855.2	4571.3	4311.2	4172.1	4254.4	4806.9	6132.3	6601.6
42.5°	5372.7	5355.6	5298.9	5047.2	4754.9	4625.3	4701.0	5279.9	6673.5	7339.5
45°	5929.9	5919.5	5866.5	5577.9	5243.0	5097.4	5199.5	5802.2	7217.5	8033.9
47.5°	6411.4	6419.9	6413.3	6170.2	5823.0	5609.2	5731.2	6347.1	7723.6	8686.7
50°	6643.2	6687.7	6753.0	6677.3	6461.6	6244.0	6267.6	6873.1	8206.1	9298.8
52.5°	6522.1	6606.3	6784.2	6905.3	6988.5	6943.1	6879.7	7395.3	8660.2	9851.3
55°	6070.8	6189.1	6484.3	6776.6	7201.4	7531.6	7614.8	7974.3	9103.0	10337.6
57.5°	5248.7	5440.8	5705.7	6297.0	7012.2	7816.3	8471.9	8777.5	9572.2	10856.9
60°	3839.1	4096.4	4425.7	5305.5	6349.9	7664.0	9201.3	10011.2	10239.2	11529.6
62.5°	2456.9	2615.8	2918.6	3747.3	4947.9	6883.5	9424.6	11553.2	11369.7	12632.7
65°	1682.1	1784.3	2061.5	2526.9	3198.6	5123.8	8826.7	12709.3	13165.3	14381.0
67.5°	1222.3	1299.9	1536.4	1944.1	2084.2	3032.1	6849.4	12656.3	14910.8	16182.3
70°	891.2	946.1	1144.7	1536.4	1603.6	1686.8	4149.4	10758.6	14873.0	16661.0
72.5°	660.3	698.2	831.6	1192.0	1298.0	1139.1	2053.9	7819.2	12780.3	15069.7
75°	477.8	506.1	604.5	912.0	1038.8	867.5	1024.6	4569.5	8914.7	10600.6
77.5°	365.2	386.9	451.3	667.9	831.6	650.9	635.8	2102.1	4227.0	4247.8
80°	293.3	307.5	342.5	470.2	637.6	487.2	414.4	848.6	1335.8	1130.5
82.5°	215.7	239.4	289.5	330.2	456.0	335.9	252.6	428.6	508.0	437.1
85°	123.0	139.1	175.0	236.5	291.4	205.3	144.7	190.2	236.5	193.9
87.5°	43.5	56.8	61.5	92.7	126.8	85.1	55.8	54.9	77.6	57.7
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°
2614.0	0°	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0	2614.0
2642.3	2.5°	2632.9	2628.1	2609.2	2583.7	2557.2	2531.6	2523.1	2505.2	2492.9	2486.2
2703.8	5°	2685.9	2670.7	2626.3	2569.5	2509.9	2445.6	2400.1	2358.5	2328.2	2299.9
2788.0	7.5°	2761.5	2735.0	2658.4	2559.1	2453.1	2346.2	2266.8	2206.2	2165.5	2139.0
2886.4	10°	2849.5	2808.8	2691.5	2543.0	2379.3	2226.1	2132.4	2080.4	2054.8	2040.6
2999.0	12.5°	2950.8	2893.0	2725.6	2506.1	2266.8	2091.7	2027.4	2012.3	2013.2	2014.2
3140.9	15°	3075.6	2995.2	2753.0	2425.7	2120.1	1988.6	1977.3	2001.9	2027.4	2039.7
3301.7	17.5°	3216.6	3103.1	2757.8	2293.2	1976.3	1922.4	1958.3	2011.3	2050.1	2067.1
3481.5	20°	3368.0	3212.8	2723.7	2105.9	1858.1	1868.5	1932.8	2000.9	2043.5	2065.2
3686.8	22.5°	3541.1	3330.1	2642.3	1909.1	1761.6	1809.8	1885.5	1951.7	1996.2	2017.9
3928.0	25°	3738.8	3461.6	2514.6	1743.6	1678.3	1743.6	1819.3	1874.1	1910.1	1930.0
4197.7	27.5°	3958.3	3598.8	2344.3	1612.1	1605.5	1675.5	1737.9	1780.5	1799.4	1814.5
4484.3	30°	4178.7	3723.7	2138.1	1512.7	1542.1	1608.3	1652.8	1671.7	1677.4	1680.2
4804.1	32.5°	4417.1	3831.5	1921.4	1430.4	1481.5	1543.0	1569.5	1578.0	1551.5	1533.6
5192.0	35°	4705.7	3946.9	1709.5	1365.2	1421.9	1474.9	1483.4	1475.8	1444.6	1407.7
5678.2	37.5°	5062.3	4090.7	1540.2	1318.8	1366.1	1401.1	1390.7	1388.8	1391.6	1348.1
6262.9	40°	5499.4	4278.1	1416.2	1282.9	1320.7	1328.3	1298.9	1315.0	1329.2	1263.0
6904.3	42.5°	5984.8	4504.2	1337.7	1258.3	1282.9	1264.9	1219.5	1237.4	1235.5	1148.5
7548.6	45°	6479.5	4750.2	1310.3	1240.3	1247.8	1211.9	1161.8	1166.5	1126.8	1048.2
8166.4	47.5°	6971.5	5014.1	1327.3	1225.1	1204.3	1163.6	1124.9	1104.0	1045.4	986.7
8758.6	50°	7454.0	5291.3	1389.8	1194.9	1144.7	1121.1	1092.7	1055.8	993.4	943.2
9318.7	52.5°	7901.5	5570.4	1459.8	1144.7	1070.0	1084.2	1066.2	1023.6	962.1	911.1
9848.4	55°	8325.3	5849.5	1487.2	1075.7	1000.0	1052.0	1041.6	963.1	889.3	847.7
10402.8	57.5°	8787.0	6185.3	1456.9	987.7	943.2	1015.1	975.4	888.3	845.8	814.6
11124.7	60°	9426.5	6712.3	1391.6	878.9	889.3	960.2	892.1	856.2	809.8	774.8
12207.0	62.5°	10488.9	7695.2	1286.6	771.0	825.9	878.9	852.4	816.4	769.1	735.1
14057.5	65°	12059.4	9061.3	1088.9	686.8	755.0	799.4	809.8	773.9	724.7	688.7
15679.0	67.5°	13383.9	9918.5	824.0	616.8	682.1	735.1	764.4	729.4	677.4	642.4
16058.4	70°	13311.0	9296.0	629.1	547.8	617.8	671.7	709.5	682.1	626.3	593.2
14586.3	72.5°	11822.9	7776.6	509.0	477.8	552.5	605.5	650.9	630.1	573.3	541.1
10685.7	75°	8685.7	5520.2	406.8	406.8	471.1	536.4	586.6	573.3	521.3	498.6
4486.2	77.5°	3661.2	2315.9	318.8	337.7	391.7	460.7	523.2	527.9	482.5	510.9
1186.4	80°	973.5	638.6	243.1	265.8	307.5	380.3	455.1	453.2	404.0	377.5
440.9	82.5°	370.9	251.7	173.1	187.3	222.3	291.4	360.4	371.8	322.6	279.1
173.1	85°	142.9	107.9	106.9	112.6	129.6	193.0	272.5	281.9	243.1	206.2
48.2	87.5°	36.9	32.2	39.7	37.8	59.6	103.1	156.1	161.8	148.5	86.1
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°
2614.0
2493.8
2311.2
2144.7
2044.4
2016.0
2038.8
2070.9
2070.9
2023.6
1935.6
1820.2
1686.8
1539.2
1409.6
1351.0
1264.9
1147.6
1051.1
986.7
939.4
912.0
843.9
811.7
772.9
735.1
690.6
643.3
596.0
541.1
491.9
463.6
351.0
279.1
212.9
123.0
0.0

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