

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: P848426

Luminaire Tested: **GLAN-SB5A-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848426
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-SB5A-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19967 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

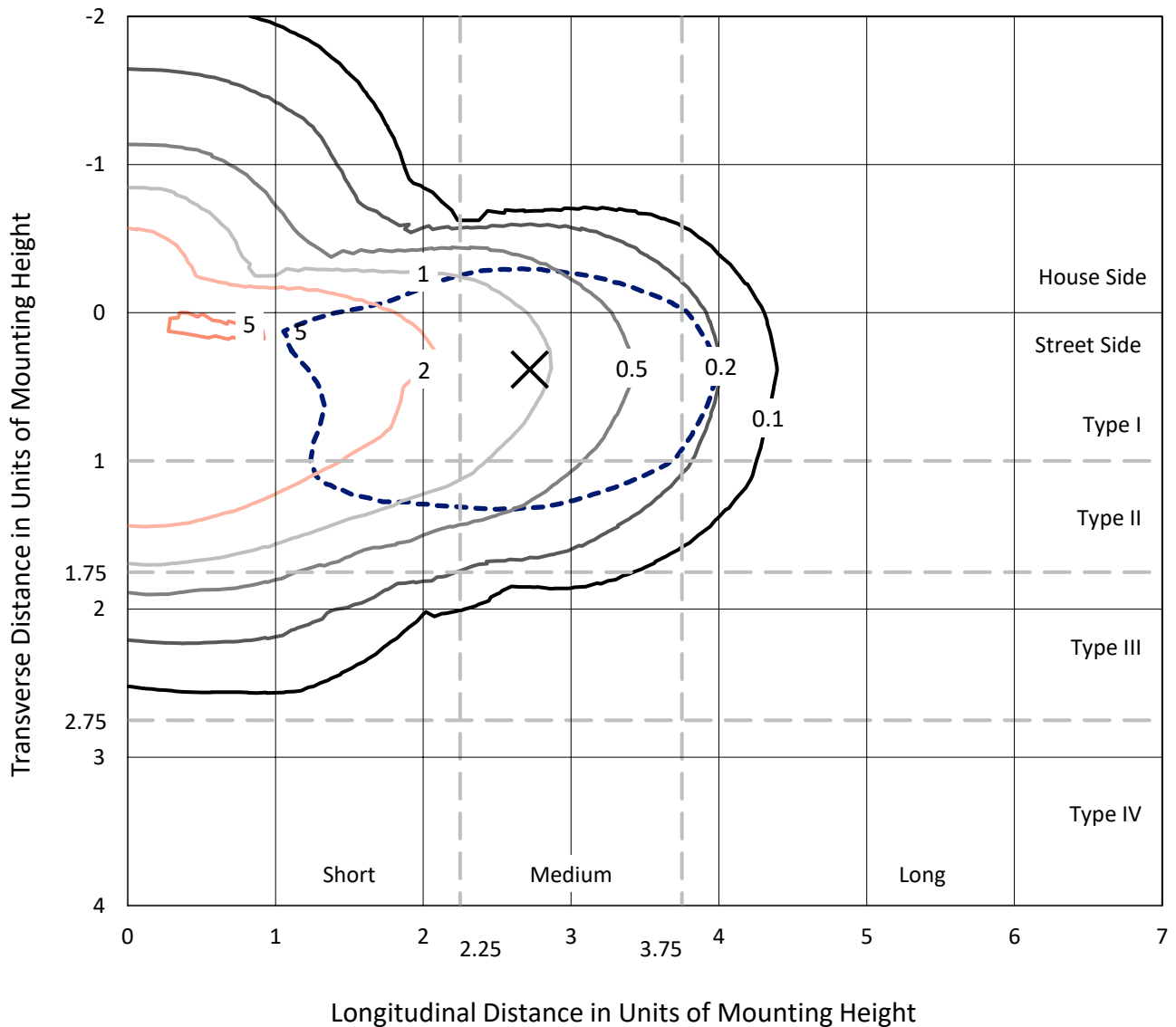
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

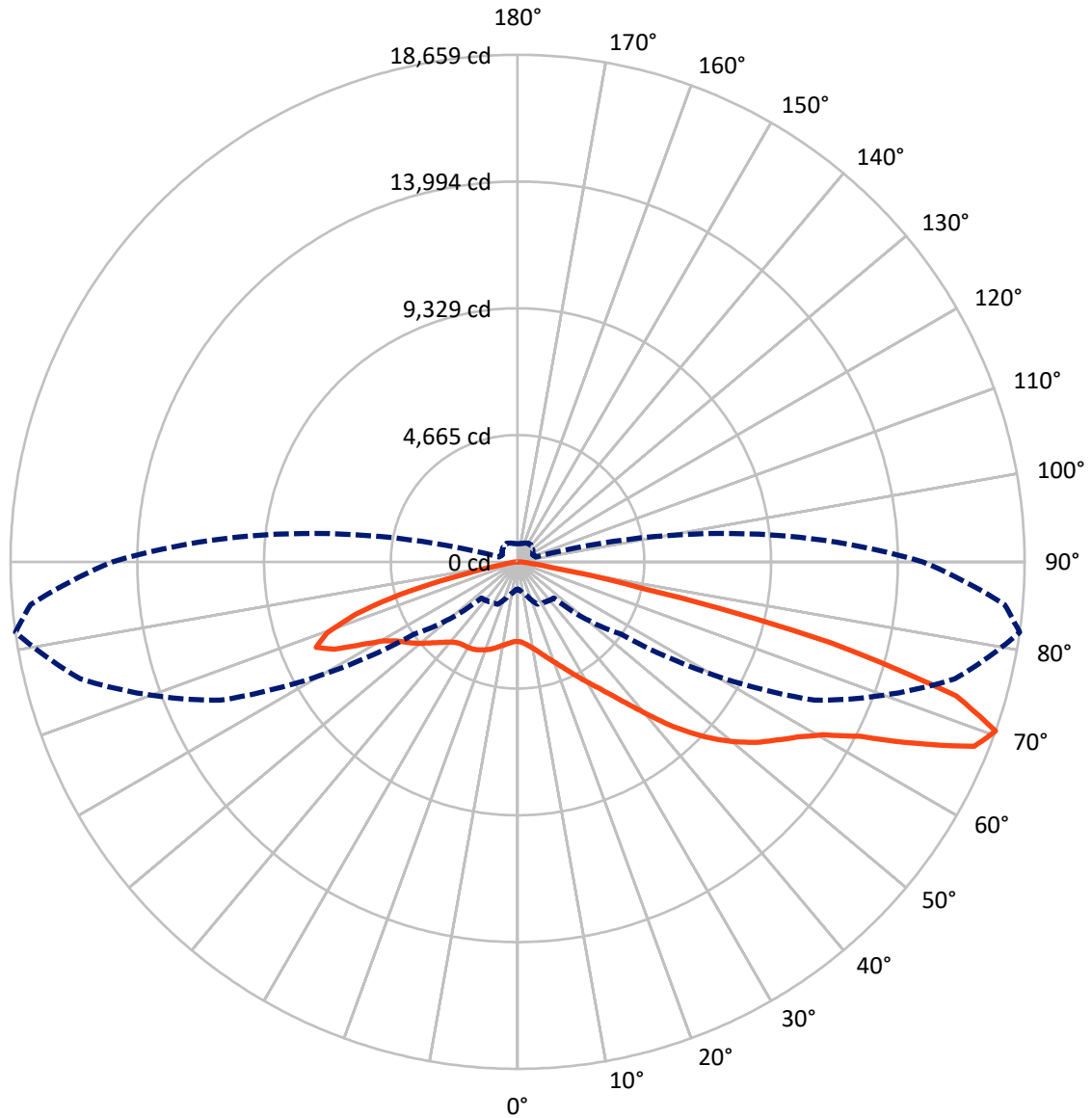
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	4922.4	0.0	4922.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15044.6	0.0	15044.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	19967.0	0.0	19967.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.4	1.4
10°-20°	794.1	4.0
20°-30°	1328.5	6.7
30°-40°	2075.4	10.4
40°-50°	3305.3	16.6
50°-60°	4599.8	23.0
60°-70°	4811.6	24.1
70°-80°	2514.8	12.6
80°-90°	261.1	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°	19967.0	100.0
0°-180°	19967.0	100.0

Coefficient of Utilization

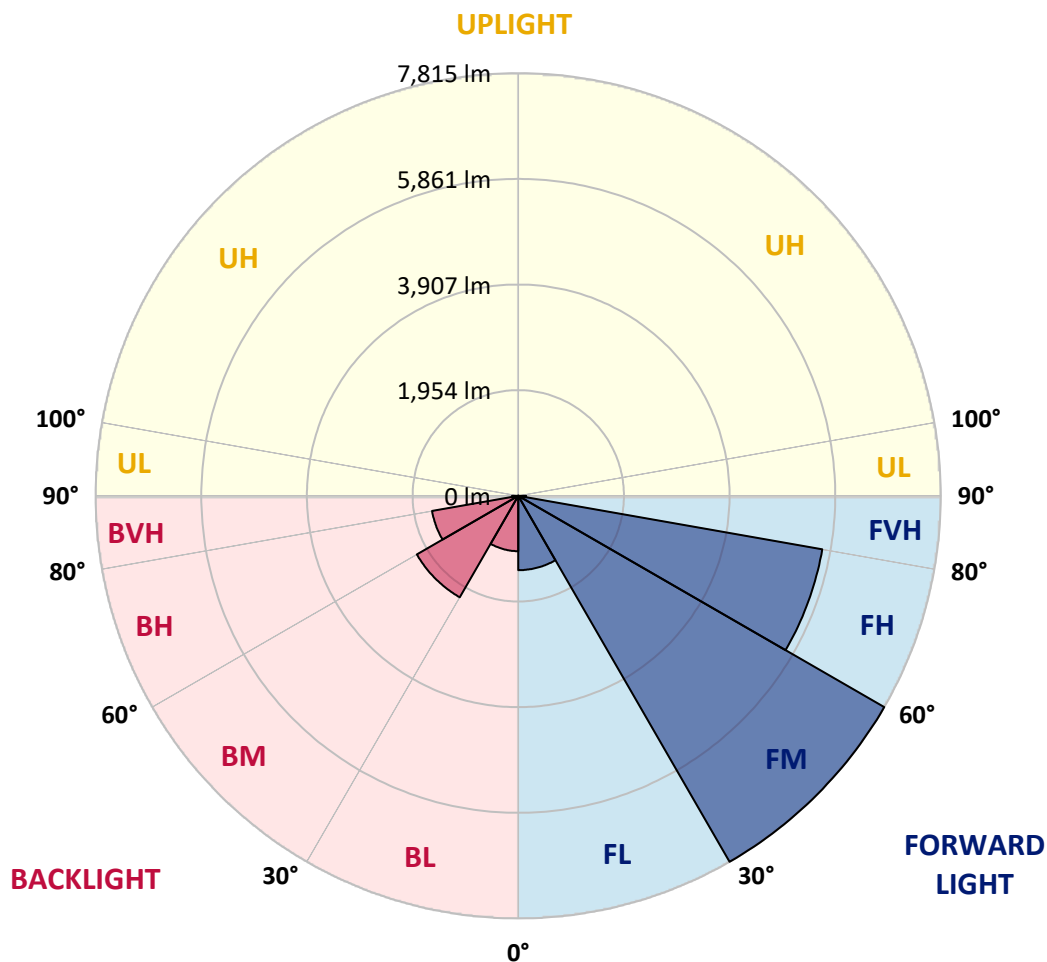


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1375.0	6.9			
FM (30°-60°)	7814.9	39.1			
FH (60°-80°)	5708.6	28.6			G3/7500
FVH (80°-90°)	146.2	0.7			G2/225
BL (0°-30°)	1024.0	5.1	B3/2500		
BM (30°-60°)	2165.6	10.8	B2/2500		
BH (60°-80°)	1617.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	114.9	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°	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4
2.5°	2997.3	3014.3	3009.0	3003.7	3003.7	2996.3	2995.2	2984.6	2976.1	2962.4
5°	3035.5	3053.5	3051.4	3055.6	3069.4	3072.6	3075.7	3069.4	3052.4	3035.5
7.5°	3001.6	3021.7	3028.1	3053.5	3095.9	3134.0	3162.6	3174.3	3158.4	3134.0
10°	2887.2	2909.4	2931.6	2992.0	3067.3	3157.3	3233.6	3279.2	3276.0	3252.7
12.5°	2655.1	2678.4	2726.1	2843.7	2981.4	3140.4	3282.3	3377.7	3410.5	3393.6
15°	2469.7	2489.8	2525.9	2646.6	2825.7	3067.3	3300.4	3485.8	3569.5	3559.9
17.5°	2464.4	2472.9	2495.1	2552.3	2690.1	2952.8	3281.3	3591.7	3751.7	3750.6
20°	2557.6	2560.8	2573.5	2585.2	2663.6	2866.0	3232.5	3679.7	3956.2	3956.2
22.5°	2686.9	2684.8	2697.5	2686.9	2725.0	2858.5	3201.8	3757.0	4184.0	4200.9
25°	2880.8	2870.2	2867.0	2842.7	2850.1	2927.4	3235.7	3844.9	4454.2	4489.1
27.5°	3139.3	3122.4	3110.7	3054.6	3035.5	3069.4	3339.6	3950.9	4755.1	4815.4
30°	3476.2	3445.5	3428.6	3331.1	3262.2	3267.5	3496.4	4091.8	5069.7	5167.2
32.5°	3936.1	3888.4	3842.8	3682.8	3556.8	3515.4	3698.7	4286.8	5410.9	5566.6
35°	4451.0	4412.8	4364.1	4117.2	3923.3	3828.0	3972.1	4559.0	5810.3	6057.2
37.5°	4946.8	4914.0	4937.3	4604.6	4354.6	4215.8	4330.2	4924.6	6303.0	6667.5
40°	5459.6	5434.2	5437.4	5119.5	4828.2	4672.4	4764.6	5383.3	6867.7	7393.2
42.5°	6016.9	5997.9	5934.3	5652.5	5325.1	5179.9	5264.7	5913.1	7473.7	8219.6
45°	6641.0	6629.3	6570.0	6246.8	5871.8	5708.6	5823.0	6497.9	8083.0	8997.3
47.5°	7180.3	7189.8	7182.4	6910.1	6521.3	6281.8	6418.5	7108.2	8649.8	9728.4
50°	7439.8	7489.6	7562.7	7478.0	7236.4	6992.7	7019.2	7697.3	9190.1	10413.9
52.5°	7304.2	7398.5	7597.7	7733.3	7826.6	7775.7	7704.7	8282.1	9698.7	11032.6
55°	6798.8	6931.3	7261.8	7589.2	8065.0	8434.7	8528.0	8930.6	10194.6	11577.2
57.5°	5878.1	6093.2	6389.9	7052.1	7853.0	8753.6	9487.9	9830.1	10720.1	12158.9
60°	4299.5	4587.7	4956.4	5941.7	7111.4	8583.0	10304.7	11211.7	11467.0	12912.2
62.5°	2751.5	2929.5	3268.6	4196.7	5541.2	7709.0	10554.8	12938.7	12733.1	14147.6
65°	1883.8	1998.2	2308.7	2829.9	3582.2	5738.3	9885.2	14233.4	14744.1	16105.5
67.5°	1368.9	1455.8	1720.6	2177.3	2334.1	3395.7	7670.8	14174.1	16698.9	18122.8
70°	998.1	1059.5	1282.0	1720.6	1795.9	1889.1	4647.0	12048.7	16656.5	18658.9
72.5°	739.5	781.9	931.3	1335.0	1453.6	1275.6	2300.2	8756.8	14312.9	16876.9
75°	535.0	566.8	677.0	1021.4	1163.3	971.6	1147.4	5117.4	9983.7	11871.8
77.5°	409.0	433.3	505.4	748.0	931.3	728.9	712.0	2354.2	4733.9	4757.2
80°	328.4	344.3	383.5	526.6	714.1	545.6	464.1	950.4	1496.0	1266.1
82.5°	241.6	268.1	324.2	369.8	510.7	376.1	282.9	480.0	569.0	489.5
85°	137.7	155.7	196.0	264.9	326.3	229.9	162.1	213.0	264.9	217.2
87.5°	48.7	63.6	68.9	103.8	142.0	95.4	62.5	61.5	86.9	64.6
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°
2927.4	0°	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4	2927.4
2959.2	2.5°	2948.6	2943.3	2922.1	2893.5	2863.8	2835.2	2825.7	2805.6	2791.8	2784.4
3028.1	5°	3007.9	2991.0	2941.2	2877.6	2810.9	2738.8	2688.0	2641.3	2607.4	2575.7
3122.4	7.5°	3092.7	3063.0	2977.2	2866.0	2747.3	2627.6	2538.6	2470.8	2425.2	2395.5
3232.5	10°	3191.2	3145.7	3014.3	2847.9	2664.7	2493.0	2388.1	2329.9	2301.2	2285.4
3358.6	12.5°	3304.6	3240.0	3052.4	2806.6	2538.6	2342.6	2270.5	2253.6	2254.6	2255.7
3517.6	15°	3444.5	3354.4	3083.2	2716.6	2374.4	2227.1	2214.4	2241.9	2270.5	2284.3
3697.7	17.5°	3602.3	3475.2	3088.5	2568.2	2213.3	2152.9	2193.2	2252.5	2295.9	2315.0
3899.0	20°	3771.8	3598.1	3050.3	2358.5	2080.9	2092.5	2164.6	2240.9	2288.5	2312.9
4128.9	22.5°	3965.7	3729.5	2959.2	2138.1	1972.8	2026.8	2111.6	2185.8	2235.6	2259.9
4399.1	25°	4187.2	3876.7	2816.2	1952.7	1879.6	1952.7	2037.4	2098.9	2139.1	2161.4
4701.0	27.5°	4433.0	4030.4	2625.5	1805.4	1798.0	1876.4	1946.3	1994.0	2015.2	2032.1
5022.1	30°	4679.8	4170.2	2394.5	1694.1	1727.0	1801.2	1851.0	1872.1	1878.5	1881.7
5380.2	32.5°	4946.8	4291.0	2151.9	1602.0	1659.2	1728.1	1757.7	1767.3	1737.6	1717.5
5814.6	35°	5270.0	4420.3	1914.5	1528.9	1592.4	1651.8	1661.3	1652.8	1617.9	1576.5
6359.1	37.5°	5669.4	4581.3	1724.9	1476.9	1529.9	1569.1	1557.5	1555.4	1558.5	1509.8
7013.9	40°	6158.9	4791.1	1586.1	1436.7	1479.1	1487.5	1454.7	1472.7	1488.6	1414.4
7732.3	42.5°	6702.4	5044.3	1498.1	1409.1	1436.7	1416.6	1365.7	1385.8	1383.7	1286.2
8453.8	45°	7256.5	5319.8	1467.4	1389.0	1397.5	1357.2	1301.1	1306.4	1261.9	1173.9
9145.6	47.5°	7807.5	5615.4	1486.5	1372.1	1348.7	1303.2	1259.8	1236.4	1170.8	1105.1
9808.9	50°	8347.8	5925.8	1556.4	1338.2	1282.0	1255.5	1223.7	1182.4	1112.5	1056.3
10436.1	52.5°	8849.0	6238.4	1634.8	1282.0	1198.3	1214.2	1194.1	1146.4	1077.5	1020.3
11029.4	55°	9323.6	6550.9	1665.5	1204.7	1119.9	1178.2	1166.5	1078.6	995.9	949.3
11650.3	57.5°	9840.7	6927.0	1631.6	1106.1	1056.3	1136.8	1092.3	994.9	947.2	912.2
12458.7	60°	10556.9	7517.2	1558.5	984.3	995.9	1075.4	999.1	958.9	906.9	867.7
13670.8	62.5°	11746.7	8618.0	1440.9	863.5	924.9	984.3	954.6	914.4	861.4	823.2
15743.2	65°	13505.5	10147.9	1219.5	769.2	845.5	895.3	906.9	866.7	811.6	771.3
17559.2	67.5°	14988.8	11107.8	922.8	690.8	763.9	823.2	856.1	816.9	758.6	719.4
17984.0	70°	14907.2	10410.7	704.6	613.5	691.9	752.2	794.6	763.9	701.4	664.3
16335.4	72.5°	13240.6	8709.1	570.0	535.0	618.8	678.1	728.9	705.6	642.1	606.0
11967.1	75°	9727.3	6182.2	455.6	455.6	527.6	600.7	656.9	642.1	583.8	558.4
5024.2	77.5°	4100.3	2593.7	357.1	378.2	438.6	516.0	585.9	591.2	540.3	572.1
1328.6	80°	1090.2	715.2	272.3	297.7	344.3	425.9	509.6	507.5	452.4	422.7
493.7	82.5°	415.3	281.8	193.9	209.8	249.0	326.3	403.7	416.4	361.3	312.6
193.9	85°	160.0	120.8	119.7	126.1	145.2	216.1	305.1	315.7	272.3	231.0
54.0	87.5°	41.3	36.0	44.5	42.4	66.7	115.5	174.8	181.2	166.3	96.4
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°
2927.4
2792.9
2588.4
2401.9
2289.6
2257.8
2283.2
2319.3
2319.3
2266.3
2167.7
2038.5
1889.1
1723.8
1578.7
1513.0
1416.6
1285.2
1177.1
1105.1
1052.1
1021.4
945.1
909.1
865.6
823.2
773.4
720.5
667.5
606.0
550.9
519.2
393.1
312.6
238.4
137.7
0.0

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