

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: P848656

Luminaire Tested: **GLAN-SB5B-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848656
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-SB5B-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 22472 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

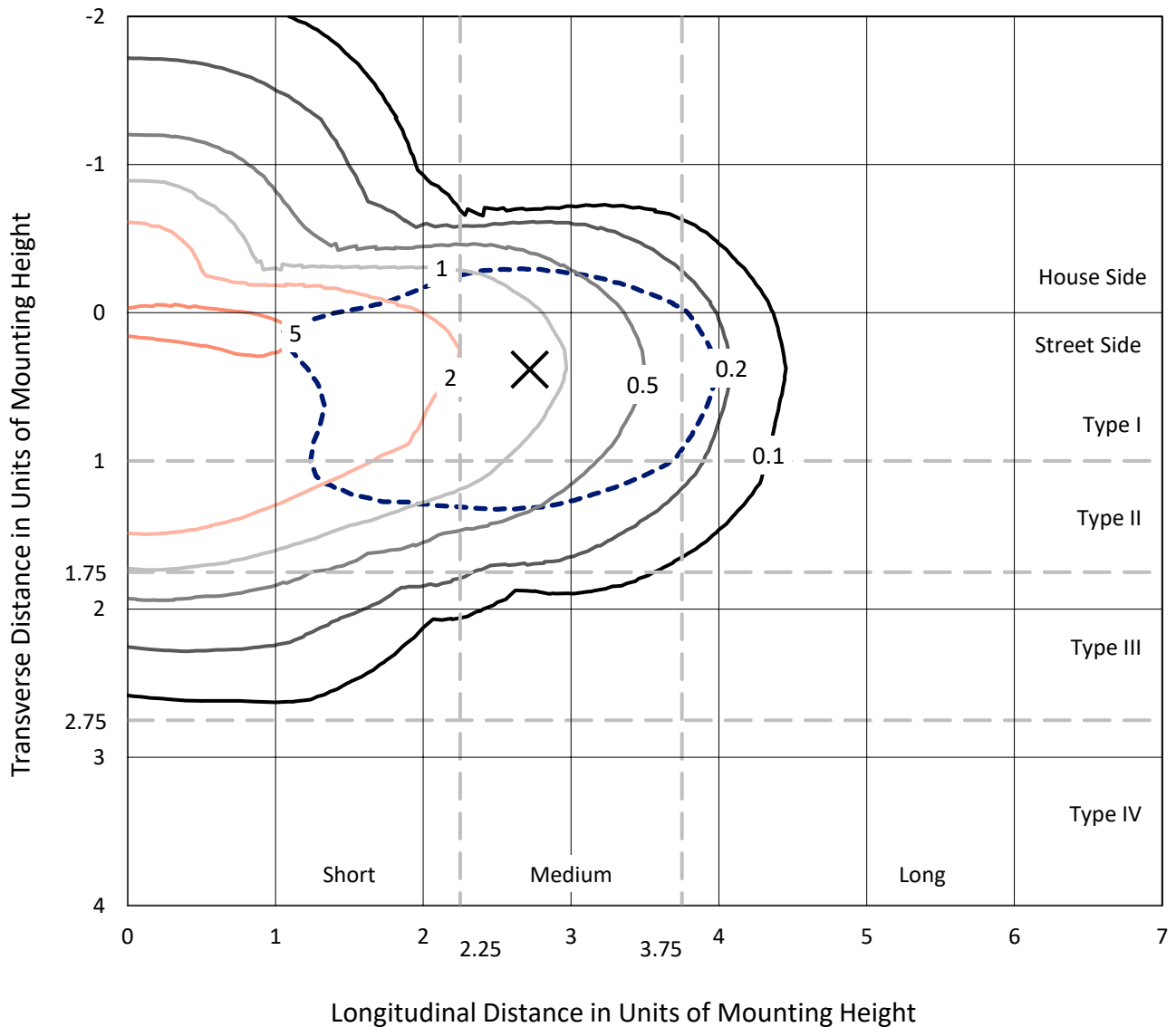
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

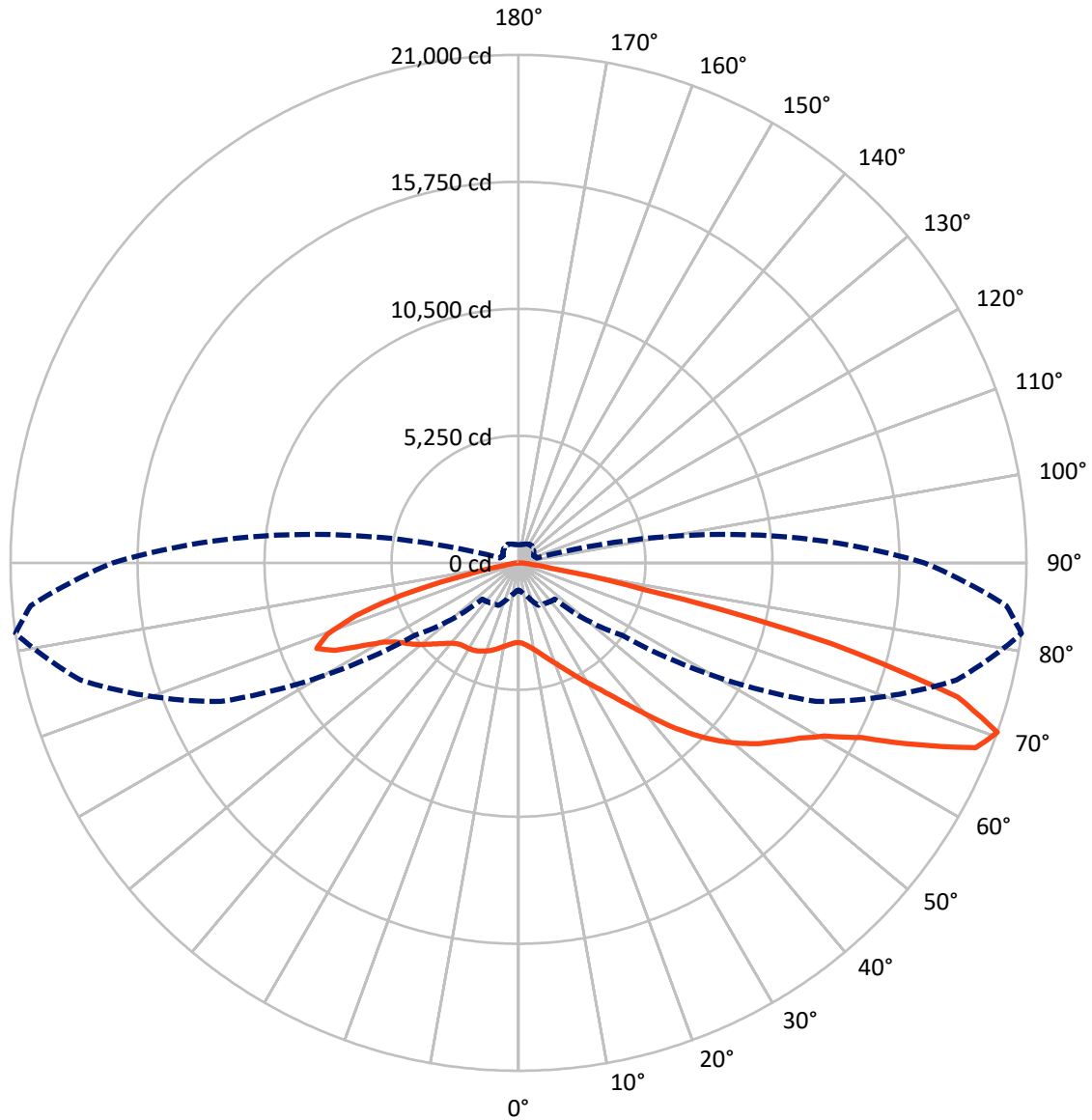
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	5539.9	0.0	5539.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16932.1	0.0	16932.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	22472.0	0.0	22472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.1	1.4
10°-20°	893.7	4.0
20°-30°	1495.1	6.7
30°-40°	2335.8	10.4
40°-50°	3720.0	16.6
50°-60°	5176.9	23.0
60°-70°	5415.2	24.1
70°-80°	2830.3	12.6
80°-90°	293.9	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°	22472.0	100.0
0°-180°	22472.0	100.0

Coefficient of Utilization

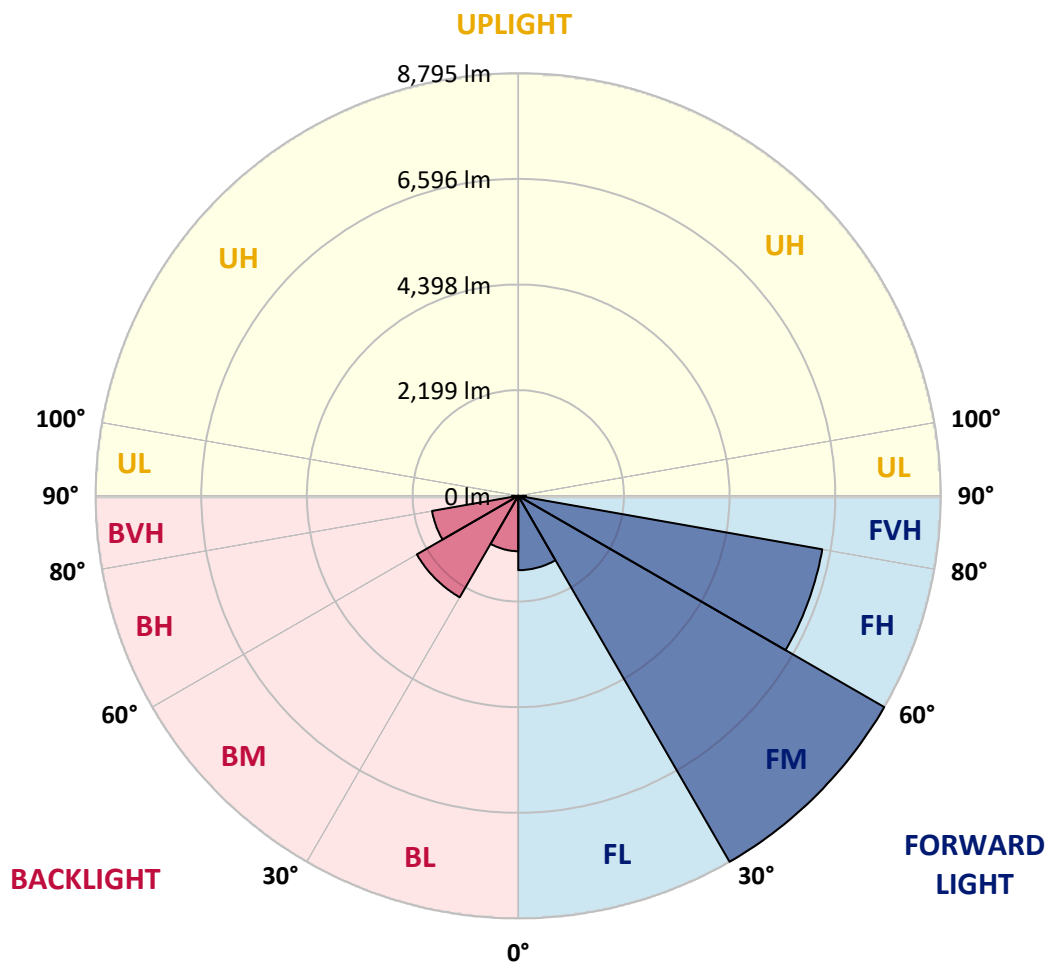


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.4	6.9			
FM (30°-60°)	8795.3	39.1			
FH (60°-80°)	6424.8	28.6			G3/7500
FVH (80°-90°)	164.5	0.7			G2/225
BL (0°-30°)	1152.5	5.1	B3/2500		
BM (30°-60°)	2437.3	10.8	B2/2500		
BH (60°-80°)	1820.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	129.4	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°	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7
2.5°	3373.4	3392.5	3386.5	3380.5	3380.5	3372.2	3371.0	3359.1	3349.5	3334.0
5°	3416.3	3436.6	3434.2	3439.0	3454.5	3458.0	3461.6	3454.5	3435.4	3416.3
7.5°	3378.1	3400.8	3408.0	3436.6	3484.3	3527.2	3559.4	3572.5	3554.6	3527.2
10°	3249.4	3274.4	3299.4	3367.4	3452.1	3553.4	3639.3	3690.6	3687.0	3660.8
12.5°	2988.2	3014.5	3068.1	3200.5	3355.5	3534.4	3694.1	3801.5	3838.4	3819.3
15°	2779.5	2802.2	2842.7	2978.7	3180.2	3452.1	3714.4	3923.1	4017.3	4006.6
17.5°	2773.6	2783.1	2808.2	2872.6	3027.6	3323.3	3692.9	4042.3	4222.4	4221.2
20°	2878.5	2882.1	2896.4	2909.5	2997.8	3225.5	3638.1	4141.3	4452.5	4452.5
22.5°	3024.0	3021.6	3035.9	3024.0	3066.9	3217.2	3603.5	4228.3	4708.9	4728.0
25°	3242.2	3230.3	3226.7	3199.3	3207.6	3294.7	3641.7	4327.3	5013.0	5052.3
27.5°	3533.2	3514.1	3501.0	3437.8	3416.3	3454.5	3758.5	4446.6	5351.6	5419.6
30°	3912.4	3877.8	3858.7	3749.0	3671.5	3677.4	3935.0	4605.2	5705.8	5815.5
32.5°	4429.9	4376.2	4324.9	4144.9	4003.0	3956.5	4162.8	4824.6	6089.7	6265.0
35°	5009.4	4966.5	4911.6	4633.8	4415.6	4308.2	4470.4	5131.0	6539.3	6817.1
37.5°	5567.4	5530.5	5556.7	5182.3	4900.9	4744.7	4873.4	5542.4	7093.7	7503.9
40°	6144.6	6116.0	6119.5	5761.8	5433.9	5258.6	5362.3	6058.7	7729.3	8320.8
42.5°	6771.8	6750.3	6678.8	6361.6	5993.1	5829.8	5925.2	6654.9	8411.4	9250.8
45°	7474.1	7461.0	7394.2	7030.6	6608.4	6424.8	6553.6	7313.2	9097.0	10126.1
47.5°	8081.1	8091.8	8083.5	7777.0	7339.4	7069.9	7223.7	8000.0	9735.0	10948.9
50°	8373.2	8429.3	8511.5	8416.2	8144.3	7870.0	7899.8	8663.0	10343.1	11720.4
52.5°	8220.6	8326.7	8550.9	8703.5	8808.5	8751.2	8671.3	9321.2	10915.5	12416.7
55°	7651.8	7800.9	8172.9	8541.4	9076.8	9492.9	9597.8	10051.0	11473.5	13029.7
57.5°	6615.6	6857.6	7191.5	7936.8	8838.3	9851.8	10678.2	11063.3	12065.0	13684.3
60°	4838.9	5163.2	5578.2	6687.1	8003.6	9659.9	11597.5	12618.3	12905.6	14532.1
62.5°	3096.7	3297.1	3678.6	4723.2	6236.4	8676.1	11879.0	14561.9	14330.6	15922.5
65°	2120.1	2248.9	2598.3	3185.0	4031.6	6458.2	11125.3	16019.1	16593.8	18126.1
67.5°	1540.6	1638.4	1936.5	2450.4	2626.9	3821.7	8633.2	15952.3	18793.8	20396.5
70°	1123.3	1192.4	1442.8	1936.5	2021.2	2126.1	5230.0	13560.3	18746.1	20999.8
72.5°	832.3	880.0	1048.1	1502.5	1636.0	1435.7	2588.8	9855.4	16108.5	18994.2
75°	602.2	637.9	762.0	1149.5	1309.3	1093.5	1291.4	5759.4	11236.2	13361.1
77.5°	460.3	487.7	568.8	841.9	1048.1	820.4	801.3	2649.6	5327.8	5354.0
80°	369.7	387.5	431.7	592.6	803.7	614.1	522.3	1069.6	1683.7	1425.0
82.5°	271.9	301.7	364.9	416.2	574.7	423.3	318.4	540.2	640.3	550.9
85°	155.0	175.3	220.6	298.1	367.3	258.8	182.4	239.7	298.1	244.4
87.5°	54.9	71.5	77.5	116.9	159.8	107.3	70.4	69.2	97.8	72.7
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°
3294.7	0°	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7	3294.7
3330.4	2.5°	3318.5	3312.6	3288.7	3256.5	3223.1	3190.9	3180.2	3157.5	3142.0	3133.7
3408.0	5°	3385.3	3366.2	3310.2	3238.6	3163.5	3082.4	3025.2	2972.7	2934.6	2898.8
3514.1	7.5°	3480.7	3447.3	3350.7	3225.5	3092.0	2957.2	2857.1	2780.7	2729.5	2696.1
3638.1	10°	3591.6	3540.3	3392.5	3205.2	2999.0	2805.8	2687.7	2622.1	2590.0	2572.1
3780.0	12.5°	3719.2	3646.4	3435.4	3158.7	2857.1	2636.5	2555.4	2536.3	2537.5	2538.7
3958.9	15°	3876.6	3775.2	3470.0	3057.4	2672.2	2506.5	2492.2	2523.2	2555.4	2570.9
4161.6	17.5°	4054.3	3911.2	3475.9	2890.4	2491.0	2423.0	2468.3	2535.1	2584.0	2605.5
4388.1	20°	4245.0	4049.5	3433.0	2654.3	2341.9	2355.0	2436.1	2522.0	2575.6	2603.1
4646.9	22.5°	4463.3	4197.3	3330.4	2406.3	2220.3	2281.1	2376.5	2460.0	2516.0	2543.4
4951.0	25°	4712.5	4363.1	3169.5	2197.6	2115.4	2197.6	2293.0	2362.2	2407.5	2432.6
5290.8	27.5°	4989.1	4536.0	2954.8	2031.9	2023.5	2111.8	2190.5	2244.1	2268.0	2287.1
5652.1	30°	5267.0	4693.4	2694.9	1906.7	1943.7	2027.1	2083.2	2107.0	2114.2	2117.8
6055.1	32.5°	5567.4	4829.3	2421.8	1802.9	1867.3	1944.8	1978.2	1989.0	1955.6	1932.9
6544.0	35°	5931.1	4974.8	2154.7	1720.7	1792.2	1859.0	1869.7	1860.2	1820.8	1774.3
7156.9	37.5°	6380.7	5156.1	1941.3	1662.2	1721.9	1766.0	1752.9	1750.5	1754.1	1699.2
7893.9	40°	6931.6	5392.2	1785.1	1616.9	1664.6	1674.2	1637.2	1657.5	1675.4	1591.9
8702.3	42.5°	7543.3	5677.1	1686.1	1585.9	1616.9	1594.3	1537.0	1559.7	1557.3	1447.6
9514.4	45°	8166.9	5987.2	1651.5	1563.3	1572.8	1527.5	1464.3	1470.3	1420.2	1321.2
10293.0	47.5°	8787.0	6319.9	1673.0	1544.2	1518.0	1466.7	1417.8	1391.6	1317.6	1243.7
11039.5	50°	9395.1	6669.2	1751.7	1506.0	1442.8	1413.0	1377.3	1330.7	1252.0	1188.8
11745.4	52.5°	9959.2	7021.0	1839.9	1442.8	1348.6	1366.5	1343.9	1290.2	1212.7	1148.3
12413.2	55°	10493.4	7372.8	1874.5	1355.8	1260.4	1326.0	1312.9	1213.9	1120.9	1068.4
13111.9	57.5°	11075.3	7796.1	1836.3	1244.9	1188.8	1279.5	1229.4	1119.7	1066.0	1026.7
14021.8	60°	11881.3	8460.3	1754.1	1107.8	1120.9	1210.3	1124.5	1079.1	1020.7	976.6
15385.9	62.5°	13220.4	9699.2	1621.7	971.8	1041.0	1107.8	1074.4	1029.1	969.4	926.5
17718.3	65°	15199.9	11421.1	1372.5	865.7	951.6	1007.6	1020.7	975.4	913.4	868.1
19762.1	67.5°	16869.3	12501.4	1038.6	777.5	859.7	926.5	963.5	919.4	853.8	809.7
20240.3	70°	16777.4	11716.8	793.0	690.4	778.7	846.6	894.3	859.7	789.4	747.7
18384.8	72.5°	14901.8	9801.8	641.5	602.2	696.4	763.2	820.4	794.2	722.6	682.1
13468.5	75°	10947.7	6957.8	512.7	512.7	593.8	676.1	739.3	722.6	657.0	628.4
5654.5	77.5°	4614.7	2919.1	401.8	425.7	493.7	580.7	659.4	665.4	608.1	643.9
1495.3	80°	1227.0	804.9	306.5	335.1	387.5	479.4	573.6	571.2	509.2	475.8
555.7	82.5°	467.4	317.2	218.2	236.1	280.2	367.3	454.3	468.6	406.6	351.8
218.2	85°	180.1	135.9	134.7	141.9	163.4	243.3	343.4	355.3	306.5	259.9
60.8	87.5°	46.5	40.5	50.1	47.7	75.1	130.0	196.8	203.9	187.2	108.5
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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<u>180°</u>
3294.7
3143.2
2913.1
2703.2
2576.8
2541.1
2569.7
2610.2
2610.2
2550.6
2439.7
2294.2
2126.1
1940.1
1776.7
1702.8
1594.3
1446.4
1324.8
1243.7
1184.1
1149.5
1063.6
1023.1
974.2
926.5
870.5
810.9
751.2
682.1
620.1
584.3
442.4
351.8
268.3
155.0
0.0

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