

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: P850755

Luminaire Tested: **GLAN-SB8B-930-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850755  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22432 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

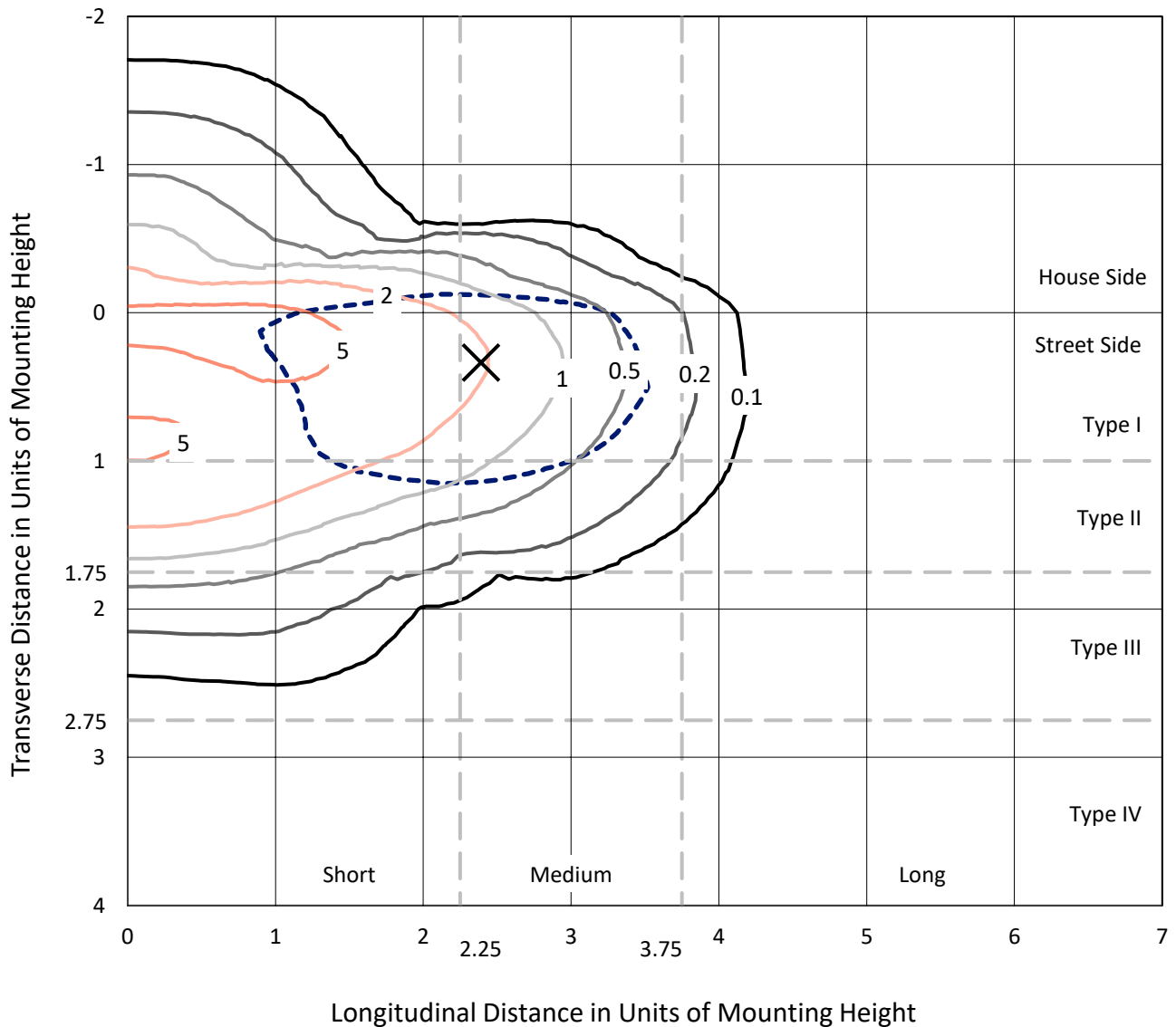
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

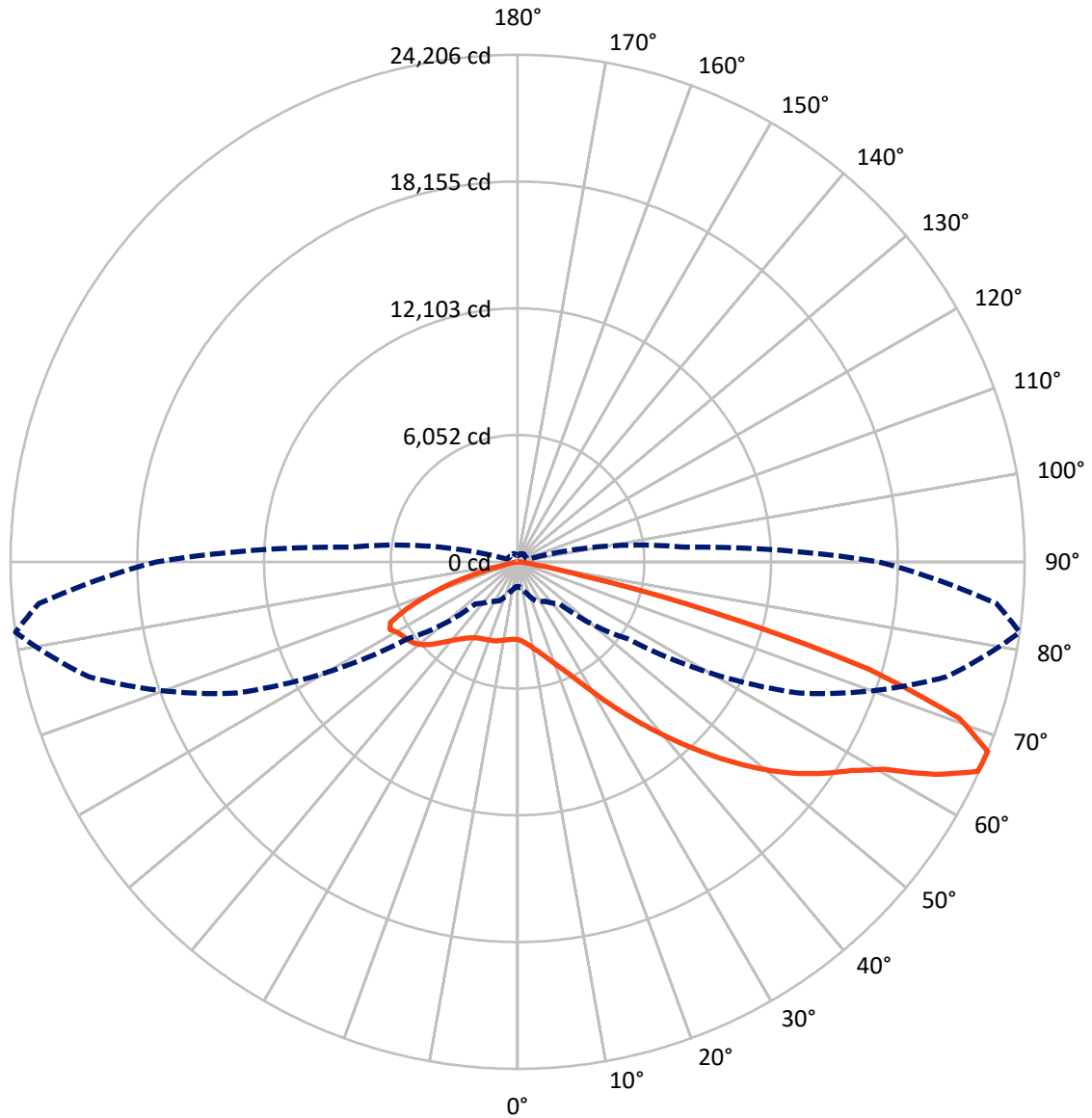
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4063.4	0.0	4063.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	18368.6	0.0	18368.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	22432.0	0.0	22432.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.1	1.5
10°-20°	860.4	3.8
20°-30°	1378.0	6.1
30°-40°	2436.8	10.9
40°-50°	4269.5	19.0
50°-60°	5694.3	25.4
60°-70°	5301.1	23.6
70°-80°	2034.6	9.1
80°-90°	126.4	0.6
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°	22432.0	100.0
0°-180°	22432.0	100.0

**Coefficient of Utilization**

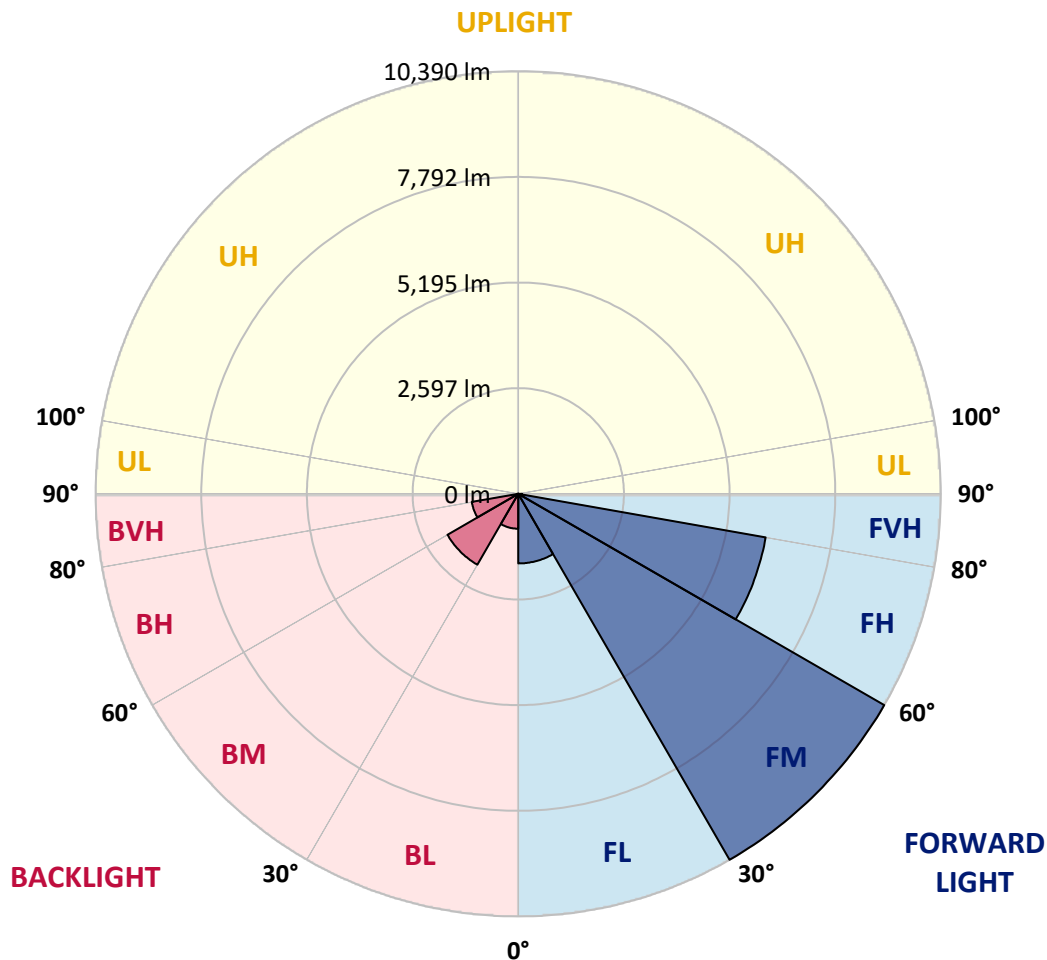


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1711.3	7.6			
FM (30°-60°)	10389.6	46.3			
FH (60°-80°)	6175.9	27.5			G3/7500
FVH (80°-90°)	91.9	0.4			G1/100
BL (0°-30°)	858.2	3.8	B2/1000		
BM (30°-60°)	2010.9	9.0	B2/2500		
BH (60°-80°)	1159.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	34.5	0.2			G1/100
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°	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2
2.5°	3927.8	3950.4	3937.5	3931.0	3919.7	3903.6	3890.6	3850.3	3808.3	3780.8
5°	4006.9	4029.5	4027.9	4034.4	4042.5	4047.3	4044.1	3998.9	3939.1	3892.3
7.5°	3939.1	3964.9	3985.9	4018.2	4074.8	4134.5	4163.6	4153.9	4092.5	4027.9
10°	3746.9	3774.4	3824.4	3900.3	4019.9	4149.1	4257.3	4307.3	4268.6	4197.5
12.5°	3394.8	3422.3	3520.8	3685.5	3885.8	4110.3	4317.0	4451.1	4460.8	4389.7
15°	2999.1	3026.6	3131.6	3338.3	3643.5	4003.7	4349.3	4602.9	4688.5	4627.1
17.5°	2753.7	2777.9	2857.0	3023.4	3341.5	3790.5	4338.0	4764.4	4959.8	4911.4
20°	2679.4	2700.4	2737.5	2853.8	3118.7	3569.3	4263.7	4916.2	5252.1	5224.7
22.5°	2758.5	2777.9	2789.2	2840.9	3007.2	3423.9	4170.1	5071.2	5591.3	5594.5
25°	2941.0	2960.4	2947.5	2979.8	3052.4	3378.7	4134.5	5253.7	6017.7	6053.2
27.5°	3241.4	3243.0	3212.3	3210.7	3222.0	3446.5	4171.7	5449.2	6555.5	6621.7
30°	3843.8	3819.6	3701.7	3574.1	3516.0	3650.0	4275.0	5680.1	7190.2	7308.1
32.5°	4772.5	4736.9	4520.5	4215.3	3908.4	3977.9	4460.8	5943.4	7881.4	8094.6
35°	5780.3	5770.6	5544.5	5090.6	4554.4	4444.6	4762.8	6289.0	8635.7	8974.8
37.5°	6717.0	6712.1	6582.9	6048.4	5395.9	5095.5	5247.3	6741.2	9443.2	9934.2
40°	7573.0	7587.5	7458.3	6980.2	6322.9	5930.5	5906.2	7300.0	10341.1	10979.1
42.5°	8312.6	8328.8	8198.0	7844.3	7238.6	6854.3	6715.4	7984.8	11218.1	12101.5
45°	8814.9	8915.1	8895.7	8613.0	8178.6	7779.7	7687.6	8844.0	12217.8	13291.8
47.5°	8957.1	9049.1	9194.5	9233.2	8968.4	8575.9	8685.7	9879.2	13228.9	14483.7
50°	8606.6	8692.2	8994.2	9396.3	9580.5	9459.3	9656.4	10988.8	14264.1	15672.4
52.5°	7915.3	8002.6	8383.7	9020.0	9771.0	10152.2	10630.2	12082.2	15267.0	16798.1
55°	6915.6	7007.7	7497.0	8217.4	9407.6	10438.0	11442.6	13173.9	16186.0	17810.7
57.5°	5555.8	5623.6	6132.3	7140.1	8493.5	10153.8	12041.8	14365.8	17051.7	18805.6
60°	3620.9	3680.7	4271.8	5395.9	6978.6	9204.2	12161.3	15695.0	18201.6	20099.3
62.5°	2408.0	2448.4	2798.9	3624.2	4914.6	7380.8	11462.0	16756.1	19887.7	22350.6
65°	1652.2	1692.6	2043.0	2618.0	3175.2	4882.3	9451.3	16615.6	21415.5	24138.5
67.5°	1179.0	1212.9	1510.1	2052.7	2298.2	2836.0	6406.9	14819.7	21195.9	24206.3
70°	844.7	864.1	1109.5	1598.9	1826.6	1703.9	3562.8	11334.4	18558.5	22352.3
72.5°	591.1	597.6	770.4	1217.7	1471.3	1243.6	1695.8	7556.8	14036.4	17544.3
75°	400.5	408.6	518.4	893.1	1180.6	949.6	898.0	4052.2	8240.0	9711.3
77.5°	245.5	248.7	334.3	610.5	883.4	723.5	578.2	1716.8	3188.1	3130.0
80°	138.9	138.9	213.2	379.5	602.4	466.7	405.4	730.0	1009.4	886.7
82.5°	77.5	79.1	155.0	235.8	398.9	276.2	222.9	337.5	436.1	386.0
85°	32.3	35.5	95.3	111.4	190.6	137.3	90.4	142.1	161.5	143.7
87.5°	3.2	4.8	29.1	21.0	22.6	27.5	12.9	27.5	22.6	22.6
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°
3716.2	0°	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2
3771.1	2.5°	3740.4	3716.2	3654.9	3583.8	3490.1	3444.9	3383.5	3341.5	3306.0	3309.2
3864.8	5°	3813.1	3751.8	3614.5	3443.3	3230.1	3078.3	2916.8	2805.3	2714.9	2695.5
3994.0	7.5°	3913.3	3816.4	3575.7	3267.2	2907.1	2634.1	2390.3	2233.6	2122.2	2086.6
4150.7	10°	4042.5	3902.0	3525.6	3046.0	2527.5	2180.3	1918.7	1795.9	1720.0	1694.2
4334.8	12.5°	4192.7	4000.5	3459.4	2776.3	2136.7	1802.4	1636.0	1574.7	1550.4	1542.4
4560.9	15°	4381.6	4123.2	3359.3	2456.5	1805.6	1571.4	1500.4	1492.3	1495.5	1492.3
4832.2	17.5°	4606.1	4257.3	3196.2	2127.0	1582.7	1453.5	1427.7	1434.2	1442.2	1440.6
5135.8	20°	4851.6	4389.7	2987.8	1834.7	1430.9	1369.6	1355.0	1361.5	1367.9	1364.7
5486.3	22.5°	5131.0	4531.8	2756.9	1607.0	1329.2	1292.0	1275.9	1277.5	1277.5	1271.0
5930.5	25°	5465.3	4688.5	2514.6	1445.5	1251.7	1222.6	1203.2	1196.7	1187.1	1167.7
6469.9	27.5°	5864.2	4854.8	2282.1	1332.4	1190.3	1162.8	1140.2	1124.1	1099.8	1067.5
7117.5	30°	6313.2	5056.7	2085.0	1261.4	1141.8	1114.4	1088.5	1064.3	1028.8	988.4
7862.0	32.5°	6841.3	5273.1	1941.3	1214.5	1098.2	1069.2	1038.5	1009.4	970.6	930.3
8698.6	35°	7471.2	5534.8	1857.3	1182.2	1064.3	1025.6	991.6	959.3	930.3	894.7
9607.9	37.5°	8154.4	5812.6	1831.5	1166.1	1041.7	981.9	943.2	920.6	917.3	896.4
10591.5	40°	8902.1	6142.0	1850.8	1156.4	1017.5	940.0	898.0	893.1	901.2	864.1
11642.9	42.5°	9693.5	6532.9	1883.1	1145.1	983.6	898.0	857.6	857.6	851.1	799.4
12754.0	45°	10549.5	6983.5	1915.4	1117.6	943.2	856.0	825.3	814.0	786.5	736.5
13871.6	47.5°	11411.9	7442.1	1939.7	1067.5	894.7	820.4	793.0	767.1	726.8	681.5
14968.3	50°	12230.8	7854.0	1913.8	993.3	839.8	786.5	757.5	721.9	678.3	647.6
16006.7	52.5°	12962.4	8210.9	1804.0	906.0	781.7	751.0	725.2	688.0	652.5	620.2
16943.5	55°	13598.7	8500.0	1610.2	823.7	730.0	720.3	694.5	647.6	599.2	571.7
17872.1	57.5°	14209.2	8719.6	1367.9	755.8	683.2	686.4	647.6	605.6	560.4	531.4
19123.8	60°	15021.6	9013.6	1122.5	692.9	633.1	642.8	600.8	570.1	513.6	476.4
21270.2	62.5°	16320.1	9470.6	891.5	615.3	575.0	578.2	560.4	523.3	455.4	411.8
22861.0	65°	17350.5	9302.7	702.5	531.4	508.7	513.6	513.6	473.2	400.5	350.5
22946.6	67.5°	17234.2	7965.4	560.4	449.0	445.8	449.0	460.3	426.4	355.3	314.9
21199.1	70°	15875.9	6335.8	449.0	373.1	387.6	379.5	411.8	389.2	319.8	279.4
16434.7	72.5°	12954.3	4564.1	342.4	308.5	297.2	310.1	371.5	350.5	266.5	221.3
8705.1	75°	7569.7	2435.5	255.2	243.9	214.8	258.4	329.5	298.8	203.5	163.1
2668.1	77.5°	2464.6	849.5	187.3	179.3	159.9	208.3	281.0	251.9	166.3	129.2
781.7	80°	660.6	256.8	127.6	117.9	103.4	155.0	222.9	200.3	119.5	84.0
335.9	82.5°	264.9	108.2	74.3	66.2	56.5	106.6	176.0	161.5	88.8	53.3
105.0	85°	85.6	35.5	27.5	21.0	25.8	66.2	105.0	109.8	63.0	27.5
16.2	87.5°	11.3	4.8	4.8	6.5	4.8	11.3	32.3	30.7	17.8	3.2
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°
3716.2
3276.9
2651.9
2051.1
1674.8
1537.5
1490.7
1437.4
1363.1
1267.8
1164.4
1064.3
985.2
931.9
891.5
894.7
865.7
799.4
734.8
679.9
642.8
616.9
568.5
528.1
471.6
408.6
345.6
308.5
274.6
216.4
158.3
124.4
82.4
53.3
21.0
0.0
0.0

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