

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: P850545

Luminaire Tested: **GLAN-SB8A-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850545
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-SB8A-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 350mA 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: 21931 lumens
Efficiency: N/A
Efficacy: 96.6 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

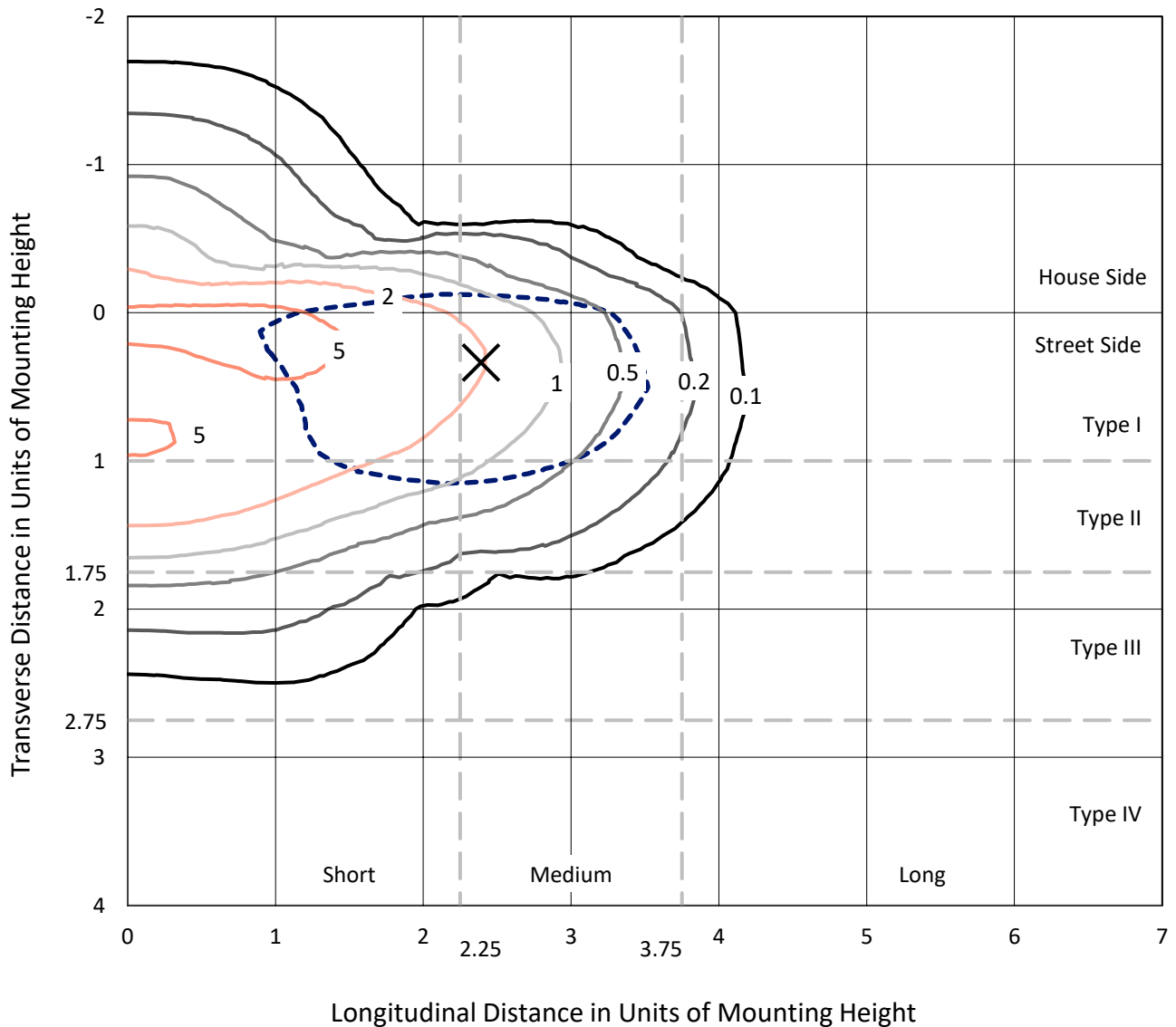
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

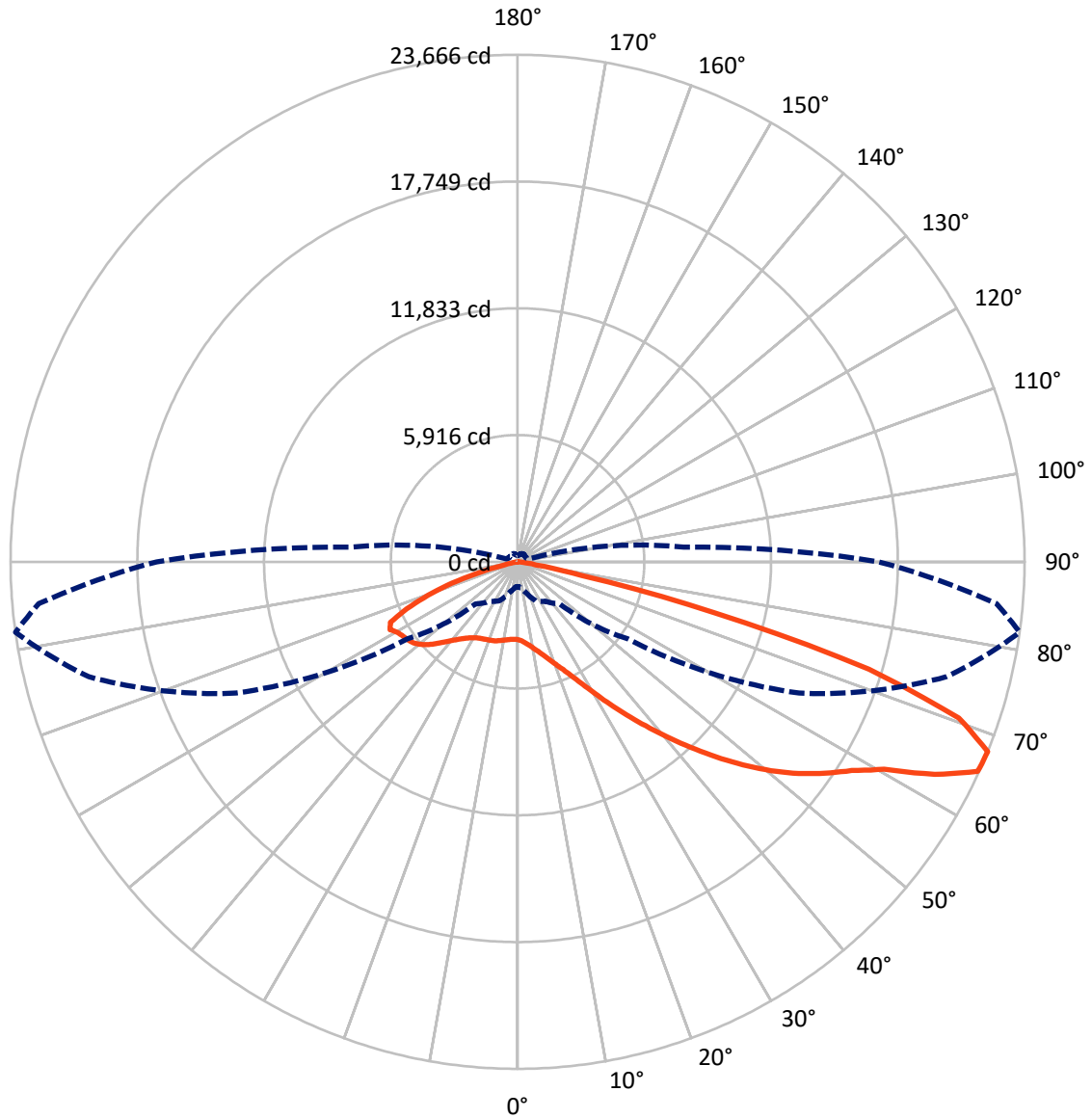
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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
House Side	Lumens	3972.6	0.0	3972.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17958.4	0.0	17958.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	21931.0	0.0	21931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.7	1.5
10°-20°	841.1	3.8
20°-30°	1347.3	6.1
30°-40°	2382.4	10.9
40°-50°	4174.1	19.0
50°-60°	5567.1	25.4
60°-70°	5182.7	23.6
70°-80°	1989.1	9.1
80°-90°	123.5	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°	21931.0	100.0
0°-180°	21931.0	100.0

Coefficient of Utilization

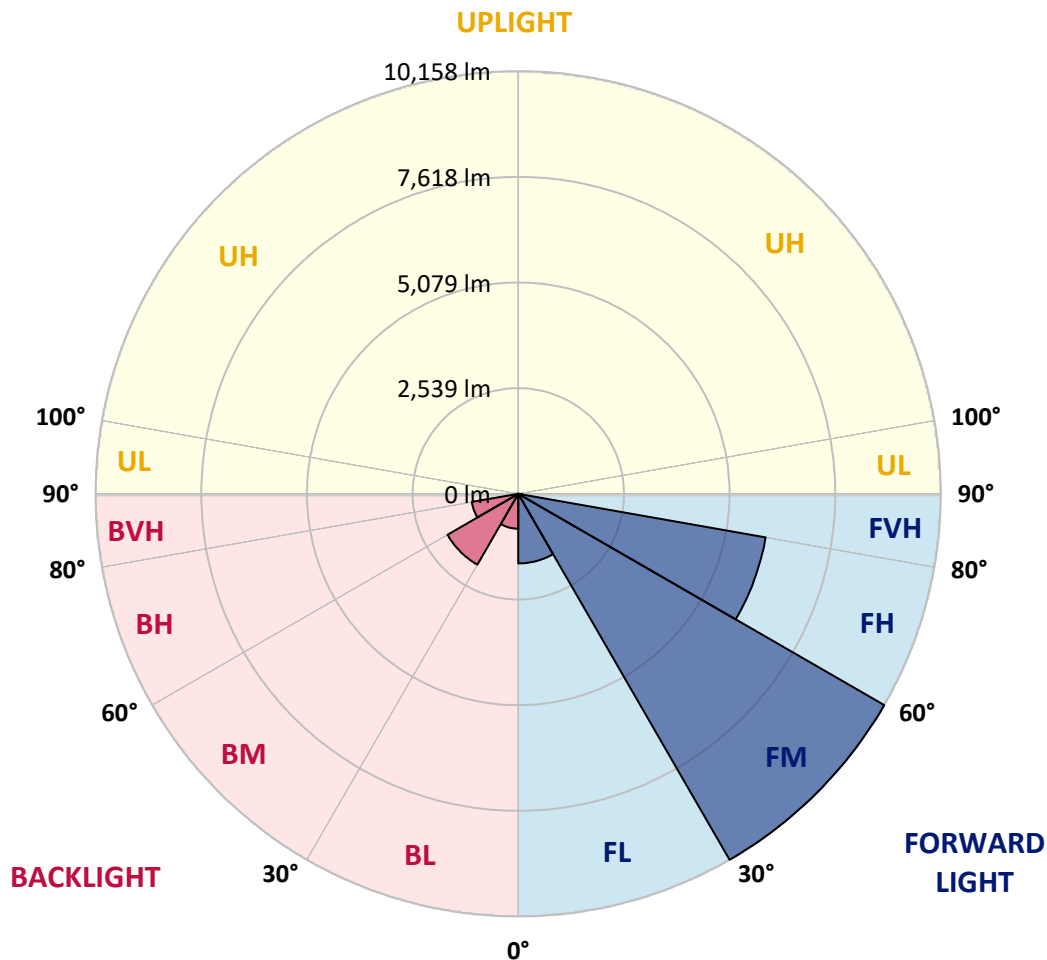


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.1	7.6			
FM (30°-60°)	10157.5	46.3			
FH (60°-80°)	6037.9	27.5			G3/7500
FVH (80°-90°)	89.8	0.4			G1/100
BL (0°-30°)	839.0	3.8	B2/1000		
BM (30°-60°)	1966.0	9.0	B2/2500		
BH (60°-80°)	1133.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	33.7	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°	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2
2.5°	3840.1	3862.2	3849.5	3843.2	3832.2	3816.4	3803.8	3764.3	3723.2	3696.4
5°	3917.4	3939.5	3938.0	3944.3	3952.2	3956.9	3953.8	3909.5	3851.1	3805.3
7.5°	3851.1	3876.4	3896.9	3928.5	3983.8	4042.2	4070.6	4061.1	4001.1	3938.0
10°	3663.2	3690.1	3739.0	3813.2	3930.1	4056.4	4162.2	4211.1	4173.2	4103.8
12.5°	3319.0	3345.9	3442.2	3603.2	3799.0	4018.5	4220.6	4351.7	4361.1	4291.7
15°	2932.2	2959.0	3061.6	3263.7	3562.2	3914.3	4252.2	4500.1	4583.8	4523.8
17.5°	2692.2	2715.8	2793.2	2955.8	3266.9	3705.9	4241.1	4658.0	4849.0	4801.7
20°	2619.5	2640.0	2676.4	2790.1	3049.0	3489.5	4168.5	4806.4	5134.8	5108.0
22.5°	2696.9	2715.8	2726.9	2777.4	2940.1	3347.4	4076.9	4958.0	5466.4	5469.6
25°	2875.3	2894.3	2881.6	2913.2	2984.3	3303.2	4042.2	5136.4	5883.3	5918.0
27.5°	3169.0	3170.6	3140.6	3139.0	3150.1	3369.5	4078.5	5327.5	6409.1	6473.8
30°	3758.0	3734.3	3619.0	3494.3	3437.4	3568.5	4179.6	5553.3	7029.6	7144.9
32.5°	4665.9	4631.1	4419.6	4121.1	3821.1	3889.0	4361.1	5810.6	7705.4	7913.8
35°	5651.2	5641.7	5420.6	4976.9	4452.7	4345.3	4656.4	6148.5	8442.8	8774.4
37.5°	6567.0	6562.2	6435.9	5913.3	5275.4	4981.7	5130.1	6590.6	9232.3	9712.3
40°	7403.8	7418.0	7291.7	6824.3	6181.7	5798.0	5774.3	7137.0	10110.2	10733.9
42.5°	8127.0	8142.8	8014.9	7669.1	7077.0	6701.2	6565.4	7806.5	10967.6	11831.3
45°	8618.1	8715.9	8697.0	8420.7	7995.9	7605.9	7515.9	8646.5	11945.0	12995.0
47.5°	8757.0	8847.0	8989.1	9027.0	8768.1	8384.4	8491.7	9658.6	12933.4	14160.3
50°	8414.4	8498.1	8793.3	9186.5	9366.5	9248.1	9440.7	10743.4	13945.5	15322.4
52.5°	7738.6	7823.8	8196.5	8818.6	9552.8	9925.4	10392.8	11812.3	14926.1	16422.9
55°	6761.2	6851.2	7329.6	8033.8	9197.5	10204.9	11187.0	12879.7	15824.5	17413.0
57.5°	5431.7	5498.0	5995.4	6980.7	8303.8	9927.0	11772.8	14045.0	16670.8	18385.6
60°	3540.1	3598.5	4176.4	5275.4	6822.8	8998.6	11889.7	15344.5	17795.1	19650.4
62.5°	2354.3	2393.7	2736.4	3543.2	4804.8	7215.9	11206.0	16381.9	19443.5	21851.5
65°	1615.3	1654.8	1997.4	2559.5	3104.3	4773.2	9240.2	16244.5	20937.2	23599.4
67.5°	1152.7	1185.8	1476.3	2006.9	2246.9	2772.7	6263.8	14488.7	20722.5	23665.7
70°	825.8	844.8	1084.8	1563.2	1785.8	1665.8	3483.2	11081.3	18144.0	21853.0
72.5°	577.9	584.2	753.2	1190.5	1438.4	1215.8	1657.9	7388.0	13722.9	17152.4
75°	391.6	399.5	506.9	873.2	1154.2	928.4	877.9	3961.7	8055.9	9494.4
77.5°	240.0	243.2	326.8	596.9	863.7	707.4	565.3	1678.5	3116.9	3060.1
80°	135.8	135.8	208.4	371.1	589.0	456.3	396.3	713.7	986.9	866.9
82.5°	75.8	77.4	151.6	230.5	390.0	270.0	217.9	330.0	426.3	377.4
85°	31.6	34.7	93.2	108.9	186.3	134.2	88.4	138.9	157.9	140.5
87.5°	3.2	4.7	28.4	20.5	22.1	26.8	12.6	26.8	22.1	22.1
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°
3633.2	0°	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2	3633.2
3686.9	2.5°	3656.9	3633.2	3573.2	3503.7	3412.2	3368.0	3308.0	3266.9	3232.2	3235.3
3778.5	5°	3728.0	3668.0	3533.7	3366.4	3158.0	3009.5	2851.6	2742.7	2654.3	2635.3
3904.8	7.5°	3825.9	3731.1	3495.9	3194.3	2842.2	2575.3	2336.9	2183.7	2074.8	2040.0
4058.0	10°	3952.2	3814.8	3446.9	2977.9	2471.1	2131.6	1875.8	1755.8	1681.6	1656.3
4238.0	12.5°	4099.0	3911.1	3382.2	2714.3	2089.0	1762.1	1599.5	1539.5	1515.8	1507.9
4459.0	15°	4283.8	4031.1	3284.3	2401.6	1765.3	1536.3	1466.9	1459.0	1462.1	1459.0
4724.3	17.5°	4503.2	4162.2	3124.8	2079.5	1547.4	1421.1	1395.8	1402.1	1410.0	1408.4
5021.1	20°	4743.2	4291.7	2921.1	1793.7	1399.0	1339.0	1324.8	1331.1	1337.4	1334.2
5363.8	22.5°	5016.4	4430.6	2695.3	1571.1	1299.5	1263.2	1247.4	1249.0	1249.0	1242.7
5798.0	25°	5343.3	4583.8	2458.5	1413.2	1223.7	1195.3	1176.3	1170.0	1160.5	1141.6
6325.4	27.5°	5733.3	4746.4	2231.1	1302.7	1163.7	1136.9	1114.8	1099.0	1075.3	1043.7
6958.5	30°	6172.2	4943.8	2038.5	1233.2	1116.3	1089.5	1064.2	1040.5	1005.8	966.3
7686.5	32.5°	6688.5	5155.4	1897.9	1187.4	1073.7	1045.3	1015.3	986.9	949.0	909.5
8504.4	35°	7304.3	5411.2	1815.8	1155.8	1040.5	1002.6	969.5	937.9	909.5	874.8
9393.3	37.5°	7972.3	5682.7	1790.6	1140.0	1018.4	960.0	922.1	900.0	896.9	876.3
10354.9	40°	8703.3	6004.8	1809.5	1130.5	994.8	919.0	877.9	873.2	881.1	844.8
11382.8	42.5°	9477.0	6387.0	1841.1	1119.5	961.6	877.9	838.4	838.4	832.1	781.6
12469.2	45°	10313.9	6827.5	1872.7	1092.7	922.1	836.9	806.9	795.8	769.0	720.0
13561.8	47.5°	11157.0	7275.9	1896.4	1043.7	874.8	802.1	775.3	750.0	710.5	666.3
14634.0	50°	11957.6	7678.6	1871.1	971.1	821.1	769.0	740.5	705.8	663.2	633.2
15649.2	52.5°	12672.9	8027.5	1763.7	885.8	764.2	734.2	709.0	672.6	637.9	606.3
16565.0	55°	13295.0	8310.2	1574.2	805.3	713.7	704.2	679.0	633.2	585.8	559.0
17473.0	57.5°	13891.8	8524.9	1337.4	739.0	667.9	671.1	633.2	592.1	547.9	519.5
18696.7	60°	14686.1	8812.3	1097.4	677.4	619.0	628.4	587.4	557.4	502.1	465.8
20795.1	62.5°	15955.6	9259.1	871.6	601.6	562.1	565.3	547.9	511.6	445.3	402.6
22350.4	65°	16962.9	9094.9	686.9	519.5	497.4	502.1	502.1	462.6	391.6	342.6
22434.1	67.5°	16849.3	7787.5	547.9	439.0	435.8	439.0	450.0	416.8	347.4	307.9
20725.6	70°	15521.3	6194.3	439.0	364.7	379.0	371.1	402.6	380.5	312.6	273.2
16067.7	72.5°	12665.0	4462.2	334.7	301.6	290.5	303.2	363.2	342.6	260.5	216.3
8510.7	75°	7400.7	2381.1	249.5	238.4	210.0	252.6	322.1	292.1	199.0	159.5
2608.5	77.5°	2409.5	830.5	183.2	175.3	156.3	203.7	274.7	246.3	162.6	126.3
764.2	80°	645.8	251.1	124.7	115.3	101.1	151.6	217.9	195.8	116.8	82.1
328.4	82.5°	259.0	105.8	72.6	64.7	55.3	104.2	172.1	157.9	86.8	52.1
102.6	85°	83.7	34.7	26.8	20.5	25.3	64.7	102.6	107.4	61.6	26.8
15.8	87.5°	11.1	4.7	4.7	6.3	4.7	11.1	31.6	30.0	17.4	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°
3633.2
3203.7
2592.7
2005.3
1637.4
1503.2
1457.4
1405.3
1332.7
1239.5
1138.4
1040.5
963.2
911.1
871.6
874.8
846.3
781.6
718.4
664.7
628.4
603.2
555.8
516.3
461.1
399.5
337.9
301.6
268.4
211.6
154.7
121.6
80.5
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