

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: P848105

Luminaire Tested: **GLAN-SB4C-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848105
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-SB4C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA 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: 21508 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

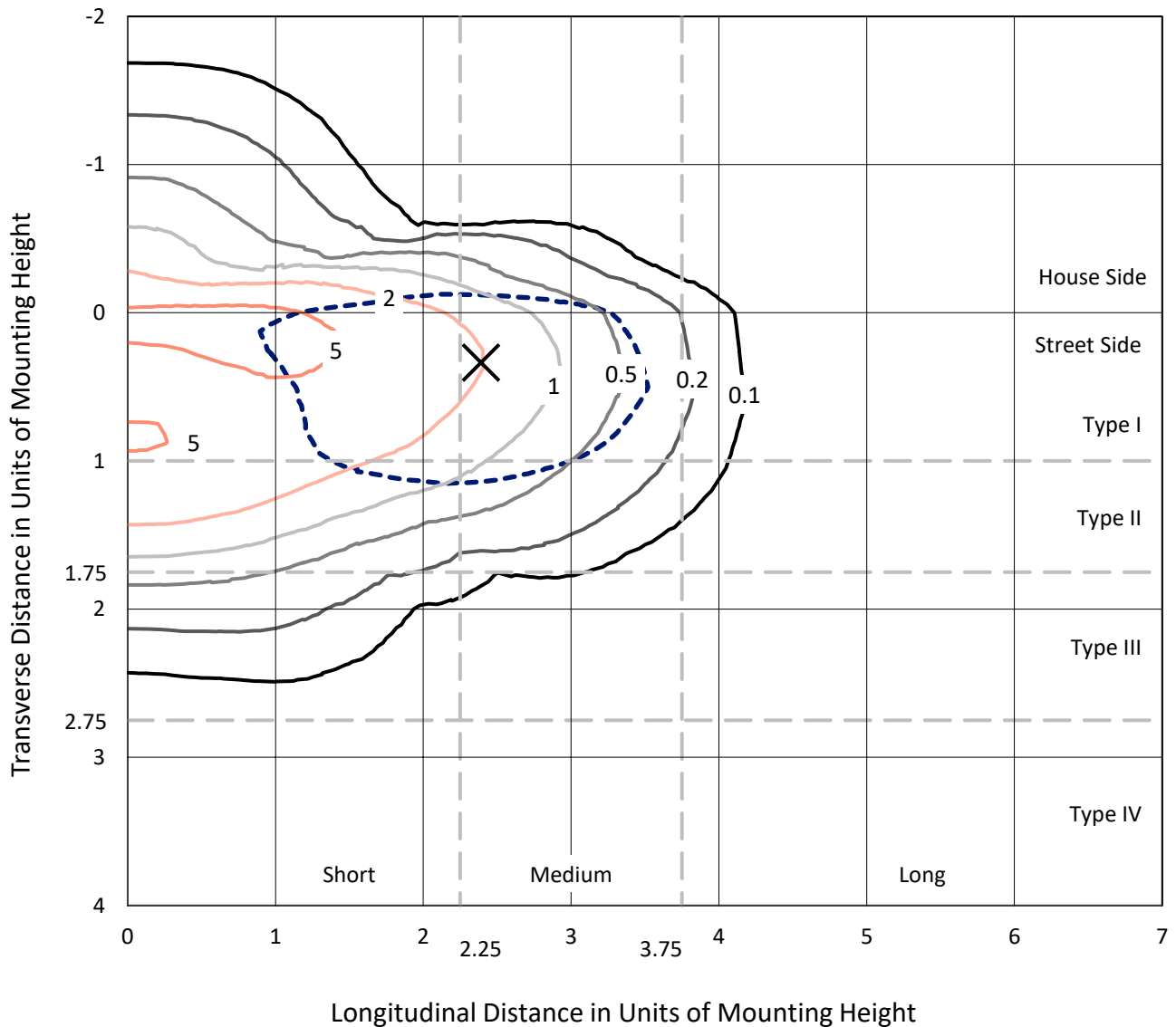
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

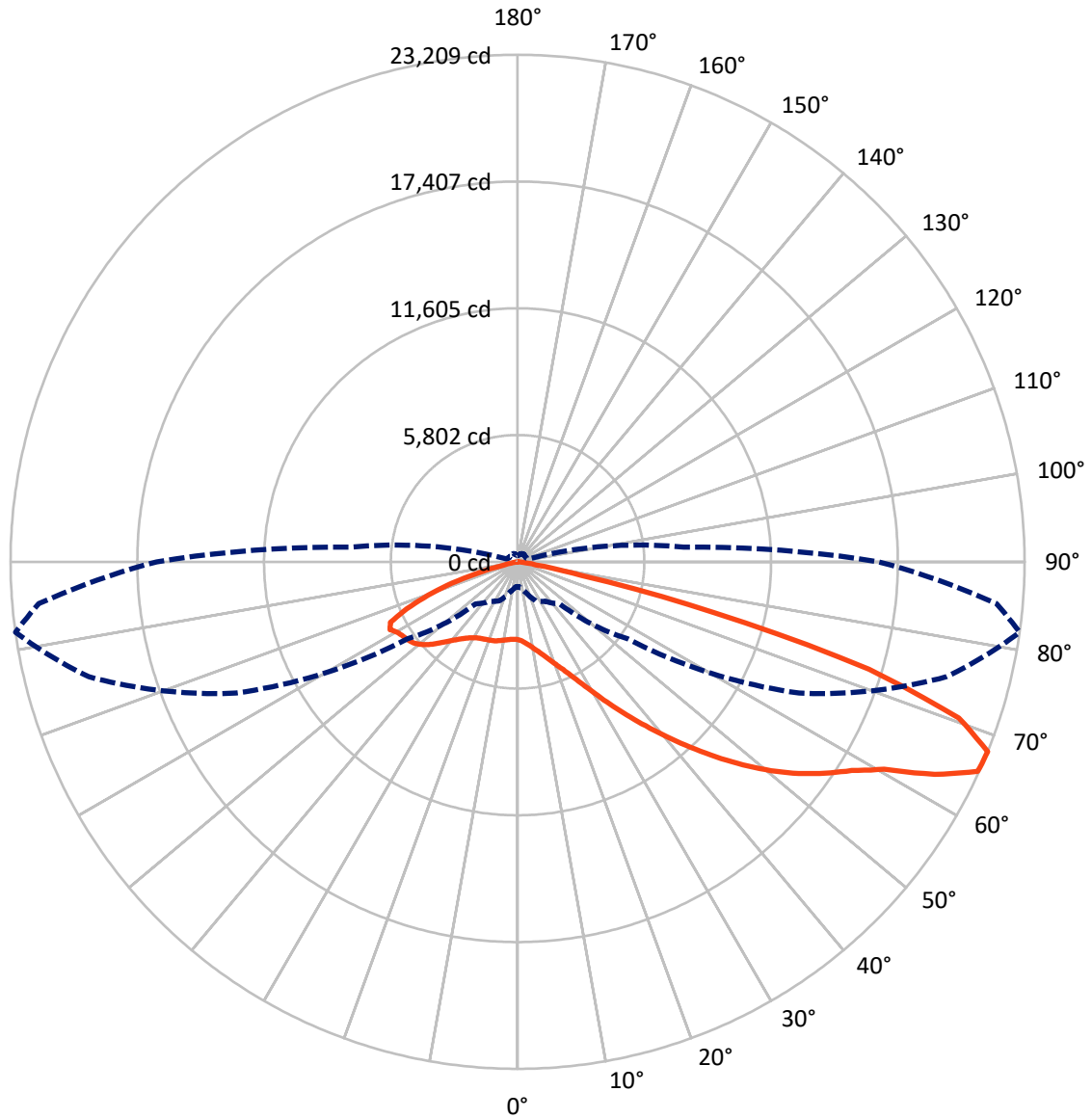
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	3896.0	0.0	3896.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17612.0	0.0	17612.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	21508.0	0.0	21508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.5	1.5
10°-20°	824.9	3.8
20°-30°	1321.3	6.1
30°-40°	2336.4	10.9
40°-50°	4093.6	19.0
50°-60°	5459.7	25.4
60°-70°	5082.7	23.6
70°-80°	1950.7	9.1
80°-90°	121.2	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°	21508.0	100.0
0°-180°	21508.0	100.0

Coefficient of Utilization



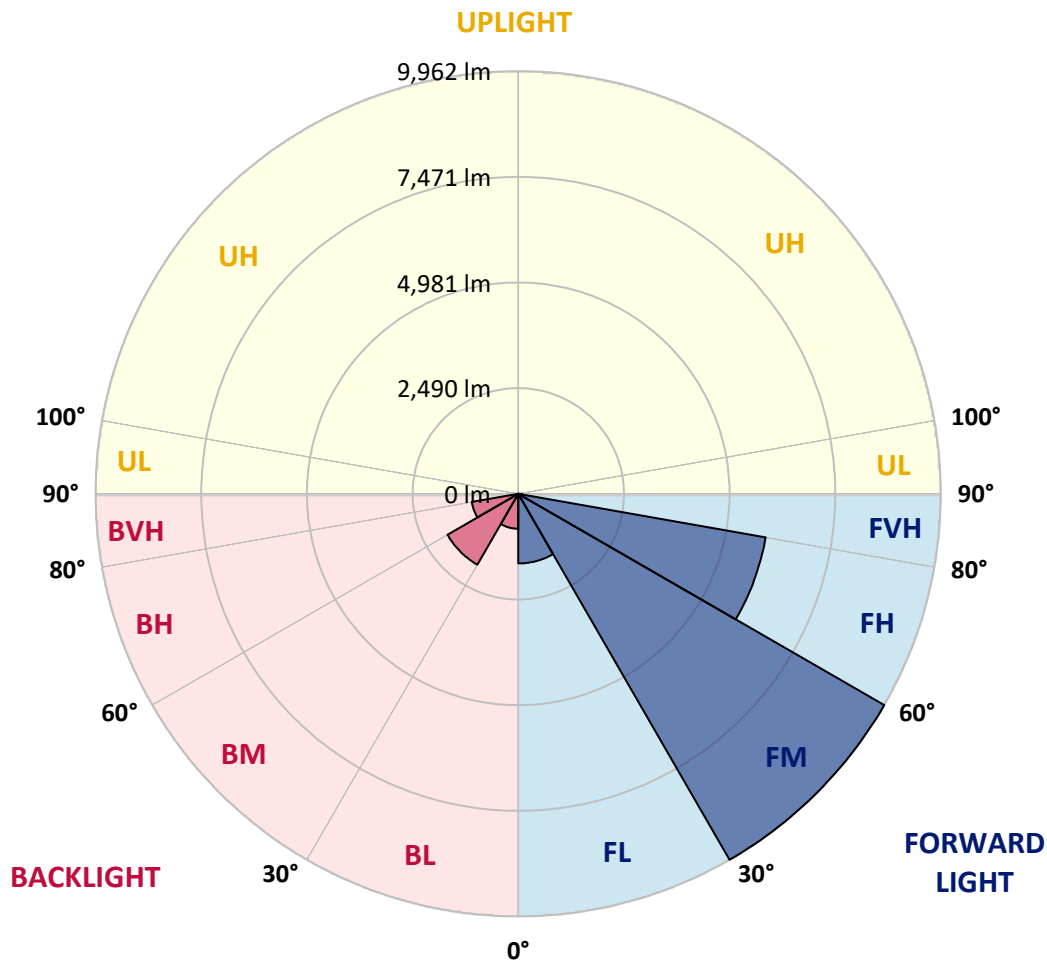
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.8	7.6			
FM (30°-60°)	9961.6	46.3			
FH (60°-80°)	5921.5	27.5			G3/7500
FVH (80°-90°)	88.1	0.4			G1/100
BL (0°-30°)	822.8	3.8	B2/1000		
BM (30°-60°)	1928.1	9.0	B2/2500		
BH (60°-80°)	1112.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	33.1	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°	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1
2.5°	3766.0	3787.7	3775.3	3769.1	3758.3	3742.8	3730.4	3691.7	3651.4	3625.1
5°	3841.9	3863.6	3862.0	3868.2	3875.9	3880.6	3877.5	3834.1	3776.8	3731.9
7.5°	3776.8	3801.6	3821.8	3852.7	3906.9	3964.2	3992.1	3982.8	3924.0	3862.0
10°	3592.6	3618.9	3666.9	3739.7	3854.3	3978.2	4081.9	4129.9	4092.7	4024.6
12.5°	3255.0	3281.3	3375.8	3533.7	3725.7	3941.0	4139.2	4267.7	4277.0	4208.9
15°	2875.6	2901.9	3002.6	3200.8	3493.5	3838.8	4170.2	4413.3	4495.4	4436.5
17.5°	2640.2	2663.5	2739.3	2898.8	3203.9	3634.4	4159.3	4568.1	4755.5	4709.1
20°	2569.0	2589.1	2624.7	2736.2	2990.2	3422.2	4088.1	4713.7	5035.8	5009.5
22.5°	2644.9	2663.5	2674.3	2723.8	2883.3	3282.9	3998.3	4862.4	5361.0	5364.1
25°	2819.9	2838.4	2826.1	2857.0	2926.7	3239.5	3964.2	5037.3	5769.8	5803.9
27.5°	3107.9	3109.4	3080.0	3078.5	3089.3	3304.5	3999.8	5224.7	6285.4	6348.9
30°	3685.5	3662.3	3549.2	3426.9	3371.1	3499.7	4098.9	5446.1	6894.0	7007.1
32.5°	4575.9	4541.8	4334.3	4041.6	3747.4	3814.0	4277.0	5698.6	7556.8	7761.2
35°	5542.2	5532.9	5316.1	4880.9	4366.8	4261.5	4566.6	6029.9	8279.9	8605.1
37.5°	6440.3	6435.7	6311.8	5799.2	5173.6	4885.6	5031.1	6463.5	9054.2	9525.0
40°	7261.0	7275.0	7151.1	6692.7	6062.5	5686.2	5662.9	6999.3	9915.2	10526.8
42.5°	7970.2	7985.7	7860.3	7521.2	6940.5	6571.9	6438.8	7655.9	10756.0	11603.1
45°	8451.8	8547.8	8529.3	8258.3	7841.7	7459.2	7371.0	8479.7	11714.6	12744.3
47.5°	8588.1	8676.4	8815.7	8852.9	8598.9	8222.6	8327.9	9472.3	12683.9	13887.1
50°	8252.1	8334.1	8623.7	9009.3	9185.8	9069.7	9258.6	10536.1	13676.5	15026.9
52.5°	7589.3	7672.9	8038.4	8648.5	9368.6	9734.0	10192.4	11584.5	14638.2	16106.2
55°	6630.8	6719.0	7188.2	7878.9	9020.1	10008.1	10971.3	12631.3	15519.3	17077.1
57.5°	5326.9	5392.0	5879.7	6846.0	8143.7	9735.6	11545.8	13774.1	16349.3	18031.0
60°	3471.8	3529.1	4095.8	5173.6	6691.2	8825.0	11660.4	15048.5	17451.8	19271.3
62.5°	2308.8	2347.6	2683.6	3474.9	4712.2	7076.7	10989.9	16065.9	19068.5	21430.0
65°	1584.1	1622.9	1958.9	2510.2	3044.4	4681.2	9061.9	15931.2	20533.4	23144.2
67.5°	1130.4	1162.9	1447.9	1968.2	2203.5	2719.2	6143.0	14209.2	20322.8	23209.2
70°	809.9	828.5	1063.8	1533.0	1751.4	1633.7	3416.0	10867.5	17794.1	21431.5
72.5°	566.8	573.0	738.6	1167.6	1410.7	1192.4	1625.9	7245.5	13458.2	16821.6
75°	384.0	391.8	497.1	856.3	1132.0	910.5	861.0	3885.2	7900.6	9311.3
77.5°	235.4	238.5	320.5	585.3	847.0	693.7	554.4	1646.1	3056.8	3001.0
80°	133.2	133.2	204.4	363.9	577.6	447.5	388.7	699.9	967.8	850.1
82.5°	74.3	75.9	148.7	226.1	382.5	264.8	213.7	323.6	418.1	370.1
85°	31.0	34.1	91.4	106.8	182.7	131.6	86.7	136.3	154.9	137.8
87.5°	3.1	4.6	27.9	20.1	21.7	26.3	12.4	26.3	21.7	21.7
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°
3563.1	0°	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1	3563.1
3615.8	2.5°	3586.4	3563.1	3504.3	3436.2	3346.4	3303.0	3244.2	3203.9	3169.8	3172.9
3705.6	5°	3656.1	3597.2	3465.6	3301.4	3097.0	2951.5	2796.6	2689.8	2603.1	2584.5
3829.5	7.5°	3752.1	3659.2	3428.4	3132.7	2787.3	2525.6	2291.8	2141.6	2034.8	2000.7
3979.7	10°	3875.9	3741.2	3380.4	2920.5	2423.4	2090.5	1839.6	1722.0	1649.2	1624.4
4156.2	12.5°	4020.0	3835.7	3316.9	2661.9	2048.7	1728.1	1568.7	1509.8	1486.6	1478.8
4373.0	15°	4201.1	3953.4	3220.9	2355.3	1731.2	1506.7	1438.6	1430.8	1433.9	1430.8
4633.2	17.5°	4416.4	4081.9	3064.5	2039.4	1517.6	1393.7	1368.9	1375.1	1382.8	1381.3
4924.3	20°	4651.8	4208.9	2864.8	1759.1	1372.0	1313.1	1299.2	1305.4	1311.6	1308.5
5260.3	22.5°	4919.7	4345.2	2643.3	1540.8	1274.4	1238.8	1223.3	1224.9	1224.9	1218.7
5686.2	25°	5240.2	4495.4	2411.0	1385.9	1200.1	1172.2	1153.6	1147.5	1138.2	1119.6
6203.4	27.5°	5622.7	4654.9	2188.1	1277.5	1141.3	1114.9	1093.3	1077.8	1054.5	1023.6
6824.3	30°	6053.2	4848.4	1999.1	1209.4	1094.8	1068.5	1043.7	1020.5	986.4	947.7
7538.2	32.5°	6559.5	5055.9	1861.3	1164.5	1053.0	1025.1	995.7	967.8	930.7	891.9
8340.3	35°	7163.5	5306.8	1780.8	1133.5	1020.5	983.3	950.8	919.8	891.9	857.9
9212.2	37.5°	7818.5	5573.1	1756.0	1118.0	998.8	941.5	904.3	882.7	879.6	859.4
10155.2	40°	8535.4	5889.0	1774.6	1108.7	975.6	901.2	861.0	856.3	864.1	828.5
11163.3	42.5°	9294.2	6263.8	1805.6	1097.9	943.0	861.0	822.3	822.3	816.1	766.5
12228.7	45°	10114.9	6695.8	1836.5	1071.6	904.3	820.7	791.3	780.5	754.1	706.1
13300.3	47.5°	10941.9	7135.6	1859.8	1023.6	857.9	786.6	760.3	735.5	696.8	653.5
14351.7	50°	11727.0	7530.5	1835.0	952.3	805.2	754.1	726.3	692.2	650.4	621.0
15347.4	52.5°	12428.4	7872.7	1729.7	868.7	749.5	720.1	695.3	659.7	625.6	594.6
16245.5	55°	13038.6	8149.9	1543.9	789.7	699.9	690.6	665.9	621.0	574.5	548.2
17135.9	57.5°	13623.9	8360.5	1311.6	724.7	655.0	658.1	621.0	580.7	537.3	509.5
18336.0	60°	14402.8	8642.3	1076.2	664.3	607.0	616.3	576.0	546.6	492.4	456.8
20394.0	62.5°	15647.8	9080.5	854.8	590.0	551.3	554.4	537.3	501.7	436.7	394.9
21919.3	65°	16635.8	8919.5	673.6	509.5	487.8	492.4	492.4	453.7	384.0	336.0
22001.4	67.5°	16524.3	7637.3	537.3	430.5	427.4	430.5	441.3	408.8	340.7	302.0
20325.9	70°	15222.0	6074.8	430.5	357.7	371.6	363.9	394.9	373.2	306.6	267.9
15757.8	72.5°	12420.7	4376.1	328.3	295.8	284.9	297.3	356.2	336.0	255.5	212.1
8346.5	75°	7257.9	2335.2	244.7	233.8	206.0	247.8	315.9	286.5	195.1	156.4
2558.2	77.5°	2363.0	814.5	179.6	171.9	153.3	199.8	269.4	241.6	159.5	123.9
749.5	80°	633.3	246.2	122.3	113.0	99.1	148.7	213.7	192.0	114.6	80.5
322.1	82.5°	254.0	103.8	71.2	63.5	54.2	102.2	168.8	154.9	85.2	51.1
100.7	85°	82.1	34.1	26.3	20.1	24.8	63.5	100.7	105.3	60.4	26.3
15.5	87.5°	10.8	4.6	4.6	6.2	4.6	10.8	31.0	29.4	17.0	3.1
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°
3563.1
3141.9
2542.7
1966.6
1605.8
1474.2
1429.3
1378.2
1307.0
1215.6
1116.5
1020.5
944.6
893.5
854.8
857.9
830.0
766.5
704.6
651.9
616.3
591.5
545.1
506.4
452.2
391.8
331.4
295.8
263.2
207.5
151.8
119.2
79.0
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