

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: P850035

Luminaire Tested: **GLAN-SB7B-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850035  
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-SB7B-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 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: 24212 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

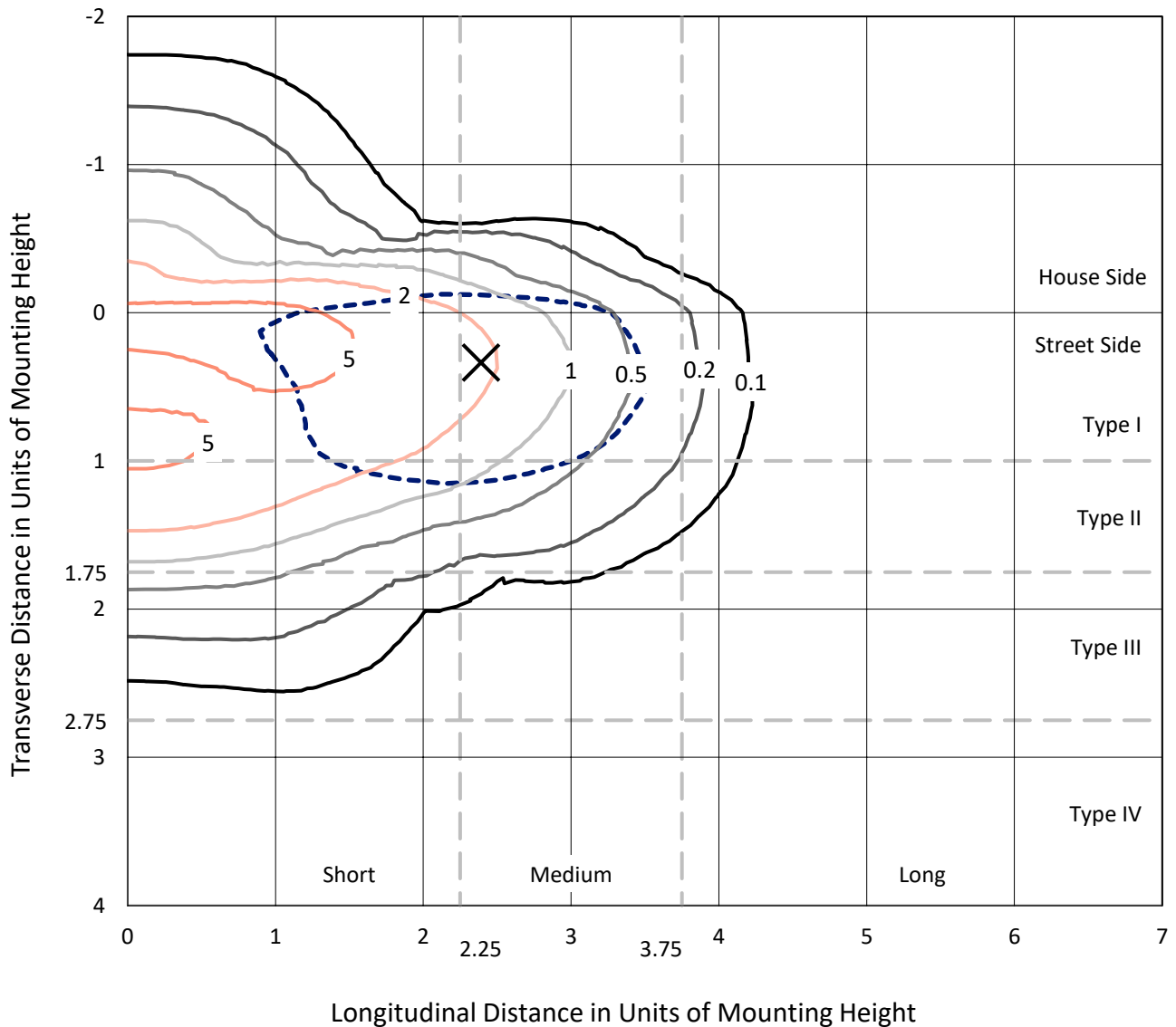
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

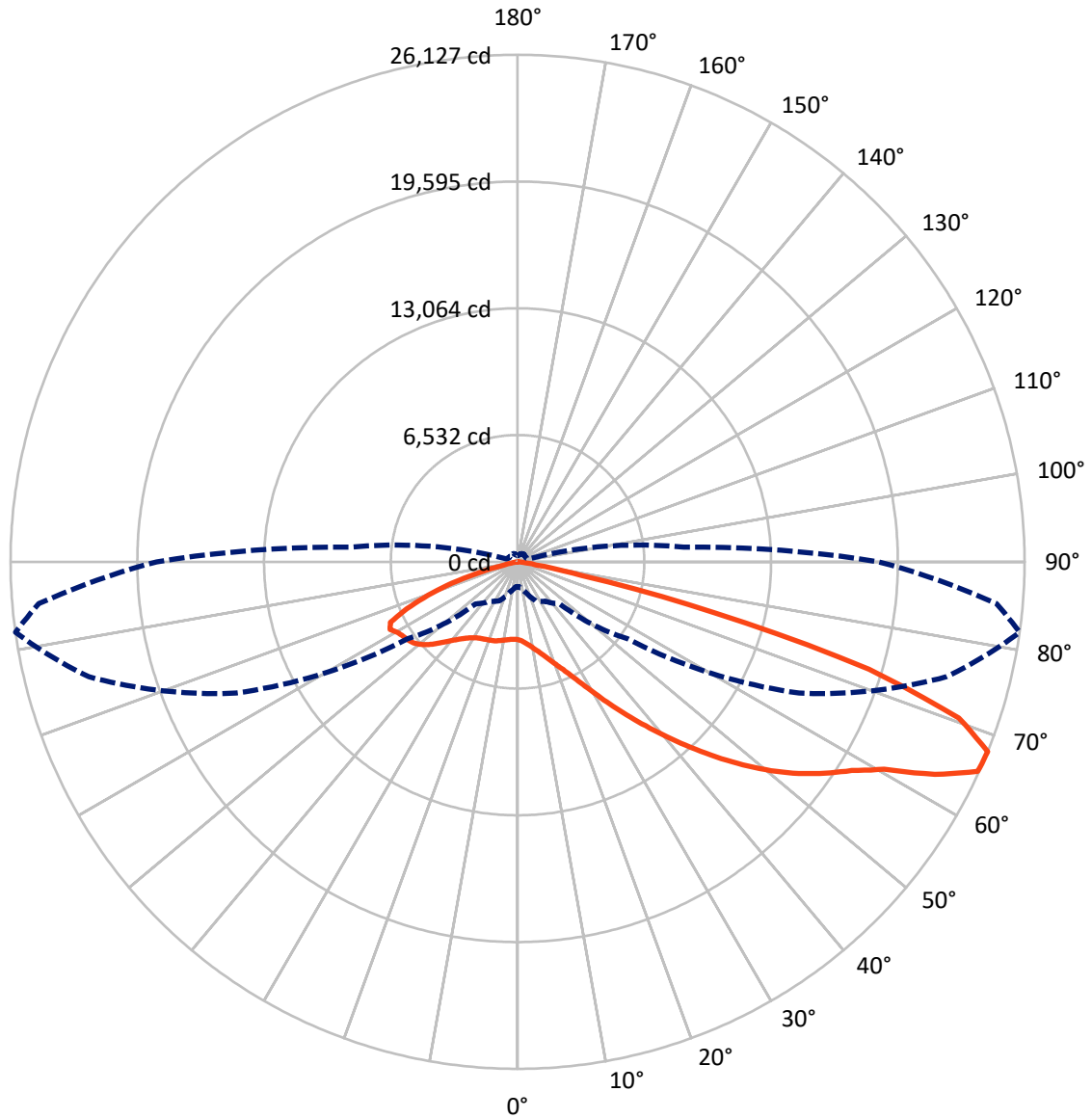
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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
<b>House Side</b>	Lumens	4385.8	0.0	4385.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	19826.2	0.0	19826.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	24212.0	0.0	24212.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.4	1.5
10°-20°	928.6	3.8
20°-30°	1487.4	6.1
30°-40°	2630.1	10.9
40°-50°	4608.3	19.0
50°-60°	6146.1	25.4
60°-70°	5721.7	23.6
70°-80°	2196.0	9.1
80°-90°	136.4	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°	24212.0	100.0
0°-180°	24212.0	100.0

**Coefficient of Utilization**

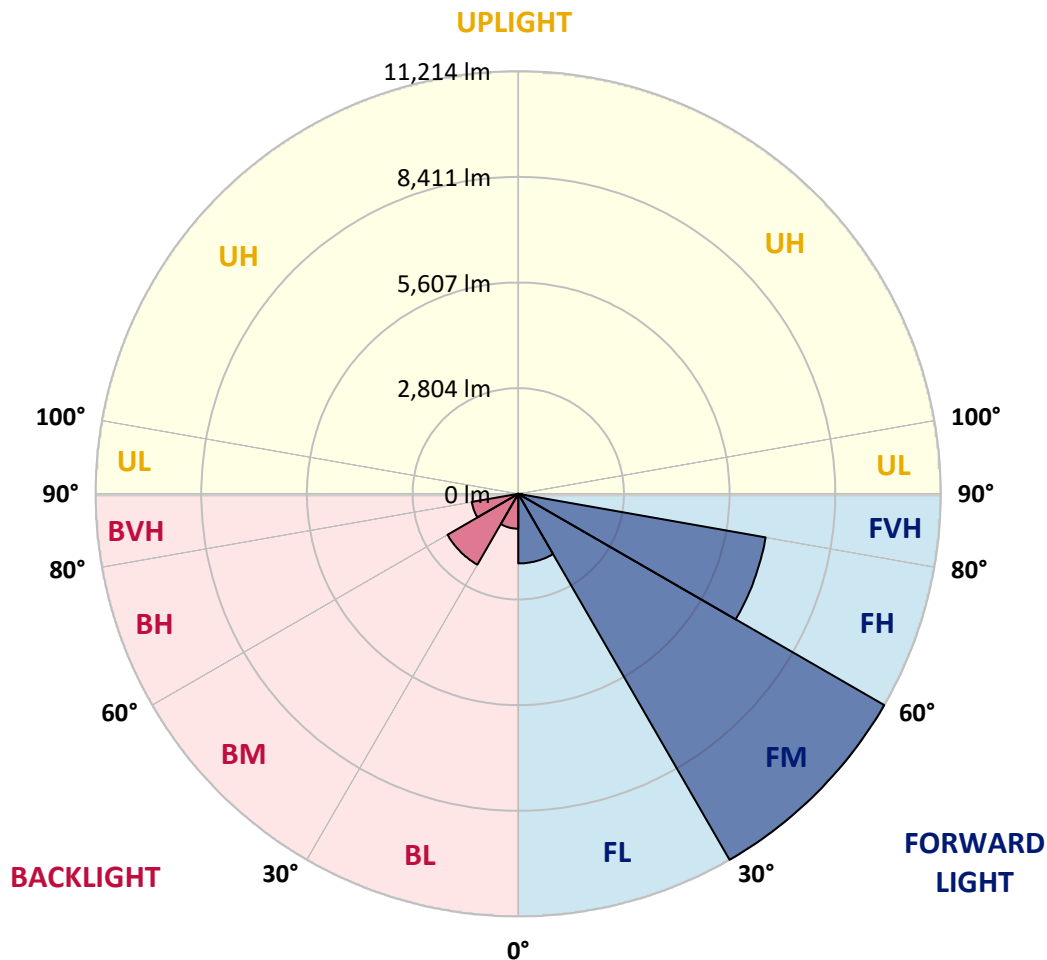


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1847.1	7.6			
FM (30°-60°)	11214.0	46.3			
FH (60°-80°)	6665.9	27.5			G3/7500
FVH (80°-90°)	99.2	0.4			G1/100
BL (0°-30°)	926.3	3.8	B2/1000		
BM (30°-60°)	2170.5	9.0	B2/2500		
BH (60°-80°)	1251.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.2	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°	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1
2.5°	4239.5	4263.9	4249.9	4243.0	4230.8	4213.3	4199.4	4155.8	4110.5	4080.8
5°	4324.9	4349.3	4347.5	4354.5	4363.2	4368.5	4365.0	4316.2	4251.7	4201.1
7.5°	4251.7	4279.6	4302.2	4337.1	4398.1	4462.6	4494.0	4483.5	4417.3	4347.5
10°	4044.2	4073.9	4127.9	4209.8	4338.8	4478.3	4595.1	4649.1	4607.3	4530.6
12.5°	3664.2	3693.8	3800.2	3978.0	4194.1	4436.5	4659.6	4804.3	4814.7	4738.0
15°	3237.1	3266.8	3380.1	3603.2	3932.7	4321.4	4694.4	4968.1	5060.5	4994.3
17.5°	2972.2	2998.3	3083.7	3263.3	3606.7	4091.3	4682.2	5142.4	5353.4	5301.1
20°	2892.0	2914.6	2954.7	3080.2	3366.1	3852.5	4602.1	5306.3	5668.9	5639.3
22.5°	2977.4	2998.3	3010.5	3066.3	3245.8	3695.6	4500.9	5473.7	6035.0	6038.5
25°	3174.4	3195.3	3181.3	3216.2	3294.7	3646.8	4462.6	5670.6	6495.2	6533.5
27.5°	3498.6	3500.4	3467.2	3465.5	3477.7	3720.0	4502.7	5881.6	7075.7	7147.1
30°	4148.8	4122.7	3995.4	3857.7	3795.0	3939.6	4614.3	6130.8	7760.7	7888.0
32.5°	5151.2	5112.8	4879.2	4549.8	4218.6	4293.5	4814.7	6415.0	8506.8	8736.9
35°	6238.9	6228.5	5984.4	5494.6	4915.8	4797.3	5140.7	6788.0	9320.9	9687.0
37.5°	7250.0	7244.7	7105.3	6528.3	5824.0	5499.8	5663.7	7276.1	10192.5	10722.4
40°	8173.9	8189.6	8050.1	7534.1	6824.6	6401.0	6374.9	7879.3	11161.7	11850.3
42.5°	8972.3	8989.7	8848.5	8466.7	7813.0	7398.2	7248.2	8618.4	12108.3	13061.8
45°	9514.4	9622.5	9601.6	9296.5	8827.6	8397.0	8297.6	9545.8	13187.3	14346.6
47.5°	9667.8	9767.2	9924.1	9965.9	9680.0	9256.4	9374.9	10663.2	14278.6	15633.0
50°	9289.5	9381.9	9707.9	10142.0	10340.7	10209.9	10422.6	11860.8	15396.0	16916.0
52.5°	8543.4	8637.6	9049.0	9735.8	10546.4	10957.8	11473.8	13040.9	16478.5	18131.0
55°	7464.4	7563.8	8091.9	8869.4	10154.2	11266.3	12350.6	14219.3	17470.4	19224.0
57.5°	5996.6	6069.8	6618.9	7706.7	9167.5	10959.5	12997.3	15505.8	18404.7	20297.9
60°	3908.3	3972.8	4610.8	5824.0	7532.4	9934.5	13126.3	16940.4	19645.9	21694.2
62.5°	2599.1	2642.7	3021.0	3911.7	5304.6	7966.4	12371.5	18085.7	21465.8	24124.2
65°	1783.3	1826.9	2205.2	2825.7	3427.1	5269.7	10201.2	17934.1	23114.9	26053.9
67.5°	1272.5	1309.1	1629.9	2215.6	2480.6	3061.1	6915.3	15995.6	22877.8	26127.1
70°	911.7	932.6	1197.6	1725.8	1971.6	1839.1	3845.5	12233.8	20031.1	24125.9
72.5°	638.0	645.0	831.5	1314.4	1588.1	1342.3	1830.4	8156.4	15150.2	18936.4
75°	432.3	441.0	559.6	964.0	1274.3	1025.0	969.2	4373.7	8893.8	10481.9
77.5°	265.0	268.5	360.8	658.9	953.5	781.0	624.1	1853.0	3441.1	3378.3
80°	149.9	149.9	230.1	409.7	650.2	503.8	437.5	787.9	1089.5	957.0
82.5°	83.7	85.4	167.3	254.5	430.6	298.1	240.6	364.3	470.7	416.6
85°	34.9	38.4	102.8	120.3	205.7	148.2	97.6	153.4	174.3	155.1
87.5°	3.5	5.2	31.4	22.7	24.4	29.6	13.9	29.6	24.4	24.4
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°
4011.1	0°	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1	4011.1
4070.4	2.5°	4037.3	4011.1	3944.9	3868.2	3767.1	3718.3	3652.0	3606.7	3568.3	3571.8
4171.5	5°	4115.7	4049.5	3901.3	3716.5	3486.4	3322.5	3148.2	3027.9	2930.3	2909.4
4310.9	7.5°	4223.8	4119.2	3859.5	3526.5	3137.8	2843.2	2579.9	2410.8	2290.6	2252.2
4480.0	10°	4363.2	4211.6	3805.4	3287.7	2728.1	2353.3	2070.9	1938.4	1856.5	1828.6
4678.8	12.5°	4525.4	4317.9	3733.9	2996.6	2306.3	1945.4	1765.9	1699.6	1673.5	1664.8
4922.8	15°	4729.3	4450.4	3625.9	2651.4	1948.9	1696.1	1619.4	1610.7	1614.2	1610.7
5215.7	17.5°	4971.6	4595.1	3449.8	2295.8	1708.3	1568.9	1541.0	1548.0	1556.7	1554.9
5543.4	20°	5236.6	4738.0	3224.9	1980.3	1544.5	1478.2	1462.5	1469.5	1476.5	1473.0
5921.7	22.5°	5538.2	4891.4	2975.6	1734.5	1434.7	1394.6	1377.1	1378.9	1378.9	1371.9
6401.0	25°	5899.0	5060.5	2714.2	1560.2	1351.0	1319.6	1298.7	1291.7	1281.3	1260.3
6983.3	27.5°	6329.6	5240.1	2463.1	1438.1	1284.7	1255.1	1230.7	1213.3	1187.1	1152.3
7682.3	30°	6814.2	5458.0	2250.5	1361.4	1232.4	1202.8	1174.9	1148.8	1110.4	1066.8
8485.9	32.5°	7384.2	5691.6	2095.3	1310.9	1185.4	1154.0	1120.9	1089.5	1047.7	1004.1
9388.9	35°	8064.1	5974.0	2004.7	1276.0	1148.8	1106.9	1070.3	1035.5	1004.1	965.7
10370.3	37.5°	8801.4	6273.8	1976.8	1258.6	1124.4	1059.9	1018.0	993.6	990.1	967.5
11431.9	40°	9608.5	6629.4	1997.7	1248.1	1098.2	1014.5	969.2	964.0	972.7	932.6
12566.7	42.5°	10462.7	7051.3	2032.6	1235.9	1061.6	969.2	925.6	925.6	918.7	862.9
13766.1	45°	11386.6	7537.6	2067.4	1206.3	1018.0	923.9	890.8	878.6	848.9	794.9
14972.4	47.5°	12317.5	8032.7	2093.6	1152.3	965.7	885.5	855.9	828.0	784.4	735.6
16156.0	50°	13201.3	8477.2	2065.7	1072.1	906.5	848.9	817.6	779.2	732.1	699.0
17276.9	52.5°	13990.9	8862.4	1947.2	977.9	843.7	810.6	782.7	742.6	704.3	669.4
18287.9	55°	14677.8	9174.5	1738.0	889.0	787.9	777.5	749.6	699.0	646.7	617.1
19290.3	57.5°	15336.7	9411.6	1476.5	815.8	737.4	740.9	699.0	653.7	604.9	573.5
20641.3	60°	16213.5	9728.8	1211.5	747.8	683.3	693.8	648.5	615.4	554.3	514.2
22958.0	62.5°	17615.1	10222.1	962.2	664.2	620.6	624.1	604.9	564.8	491.6	444.5
24675.0	65°	18727.2	10040.8	758.3	573.5	549.1	554.3	554.3	510.8	432.3	378.3
24767.4	67.5°	18601.7	8597.5	604.9	484.6	481.1	484.6	496.8	460.2	383.5	339.9
22881.3	70°	17135.7	6838.6	484.6	402.7	418.4	409.7	444.5	420.1	345.2	301.6
17738.8	72.5°	13982.2	4926.3	369.6	333.0	320.7	334.7	400.9	378.3	287.6	238.8
9395.9	75°	8170.4	2628.7	275.4	263.2	231.8	278.9	355.6	322.5	219.6	176.1
2879.8	77.5°	2660.1	916.9	202.2	193.5	172.6	224.9	303.3	271.9	179.5	139.5
843.7	80°	713.0	277.2	137.7	127.3	111.6	167.3	240.6	216.2	129.0	90.6
362.6	82.5°	285.9	116.8	80.2	71.5	61.0	115.1	190.0	174.3	95.9	57.5
113.3	85°	92.4	38.4	29.6	22.7	27.9	71.5	113.3	118.5	68.0	29.6
17.4	87.5°	12.2	5.2	5.2	7.0	5.2	12.2	34.9	33.1	19.2	3.5
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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180°
4011.1
3537.0
2862.3
2213.9
1807.7
1659.5
1609.0
1551.5
1471.3
1368.4
1256.8
1148.8
1063.4
1005.8
962.2
965.7
934.4
862.9
793.2
733.9
693.8
665.9
613.6
570.0
509.0
441.0
373.0
333.0
296.3
233.6
170.8
134.2
88.9
57.5
22.7
0.0
0.0

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