

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: P848335

Luminaire Tested: **GLAN-SB4D-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848335  
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-SB4D-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 900mA 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: 24658 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

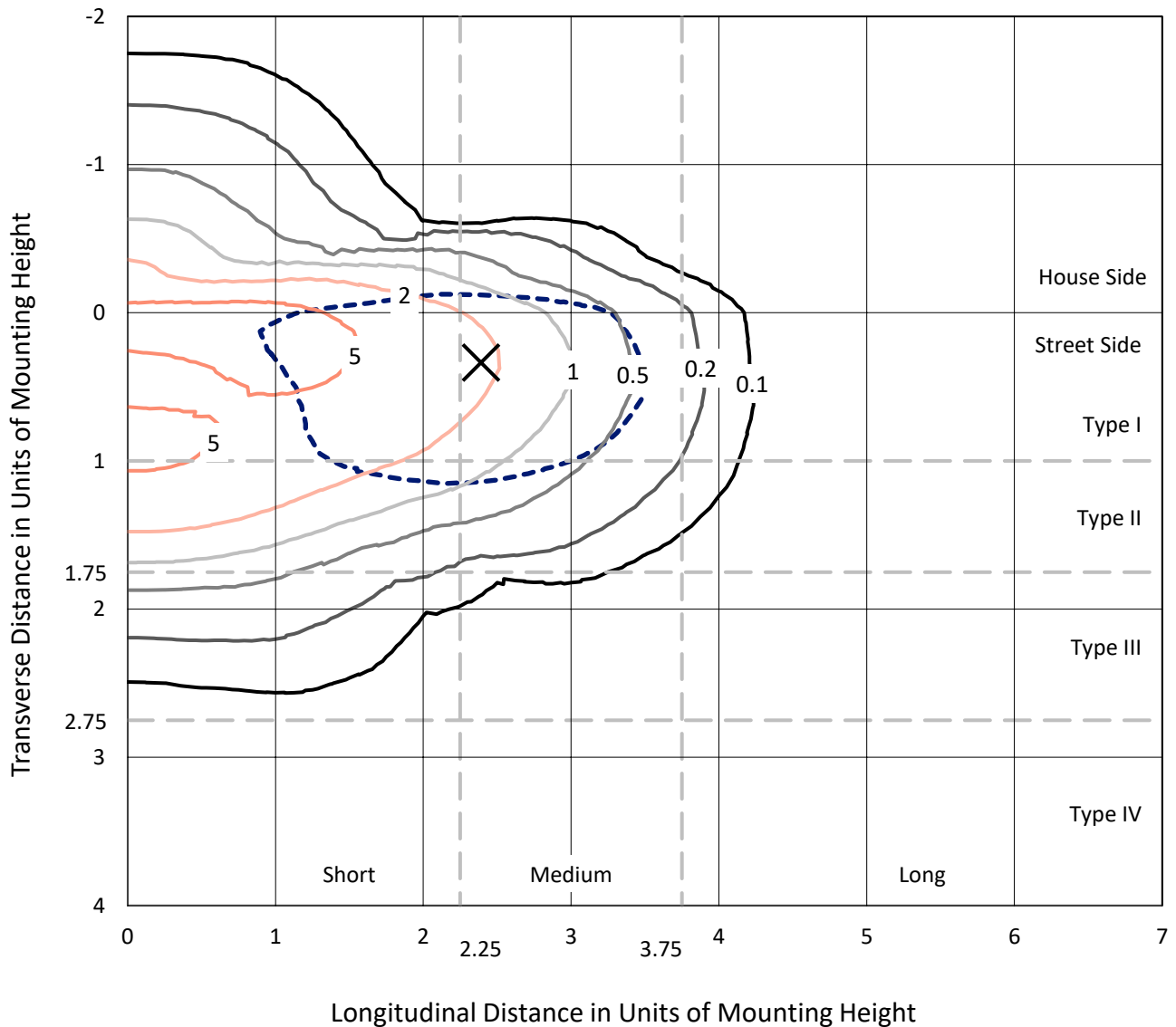
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

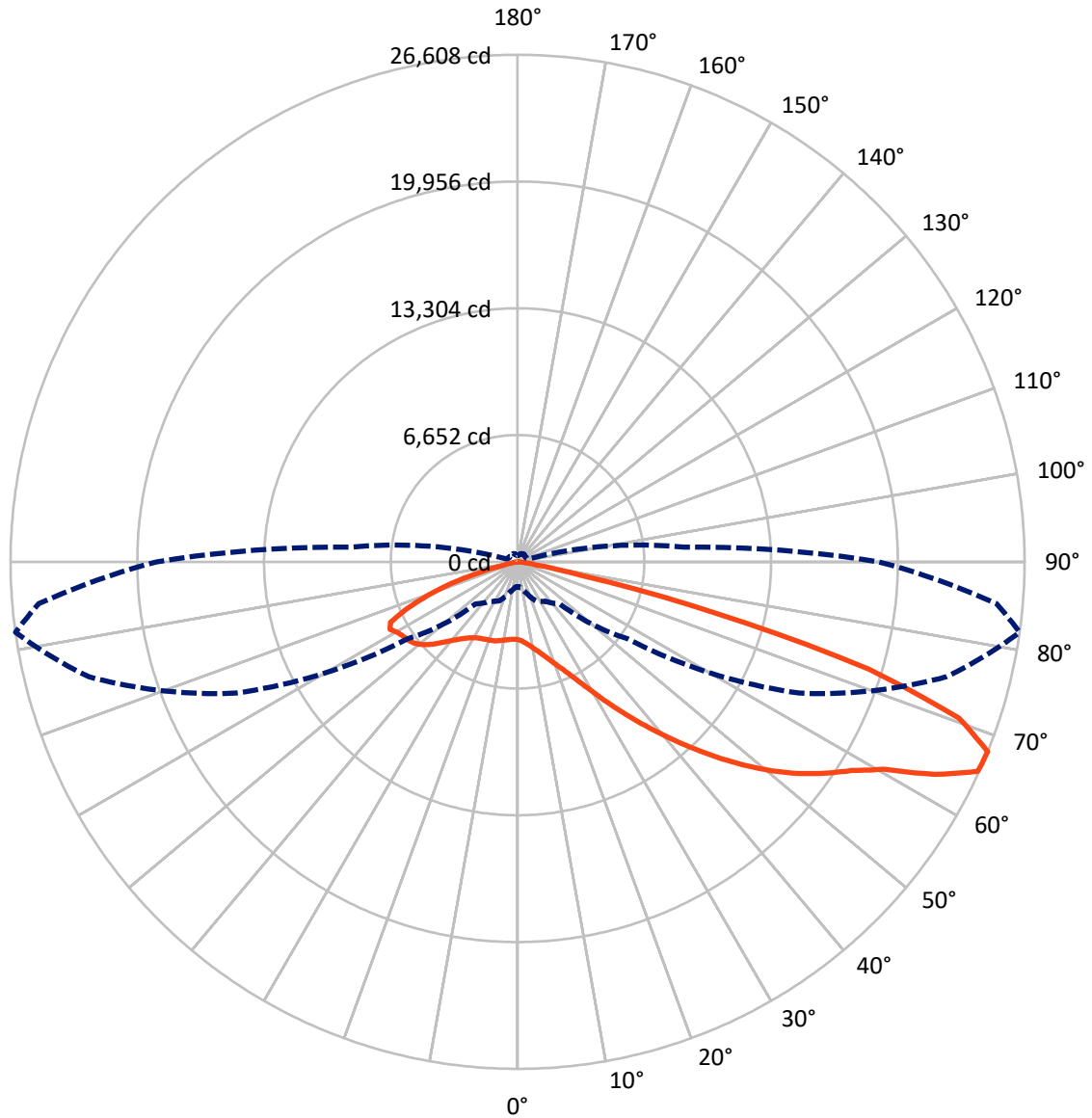
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	4466.6	0.0	4466.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	20191.4	0.0	20191.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	24658.0	0.0	24658.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.9	1.5
10°-20°	945.7	3.8
20°-30°	1514.8	6.1
30°-40°	2678.6	10.9
40°-50°	4693.1	19.0
50°-60°	6259.3	25.4
60°-70°	5827.1	23.6
70°-80°	2236.4	9.1
80°-90°	138.9	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°	24658.0	100.0
0°-180°	24658.0	100.0

**Coefficient of Utilization**



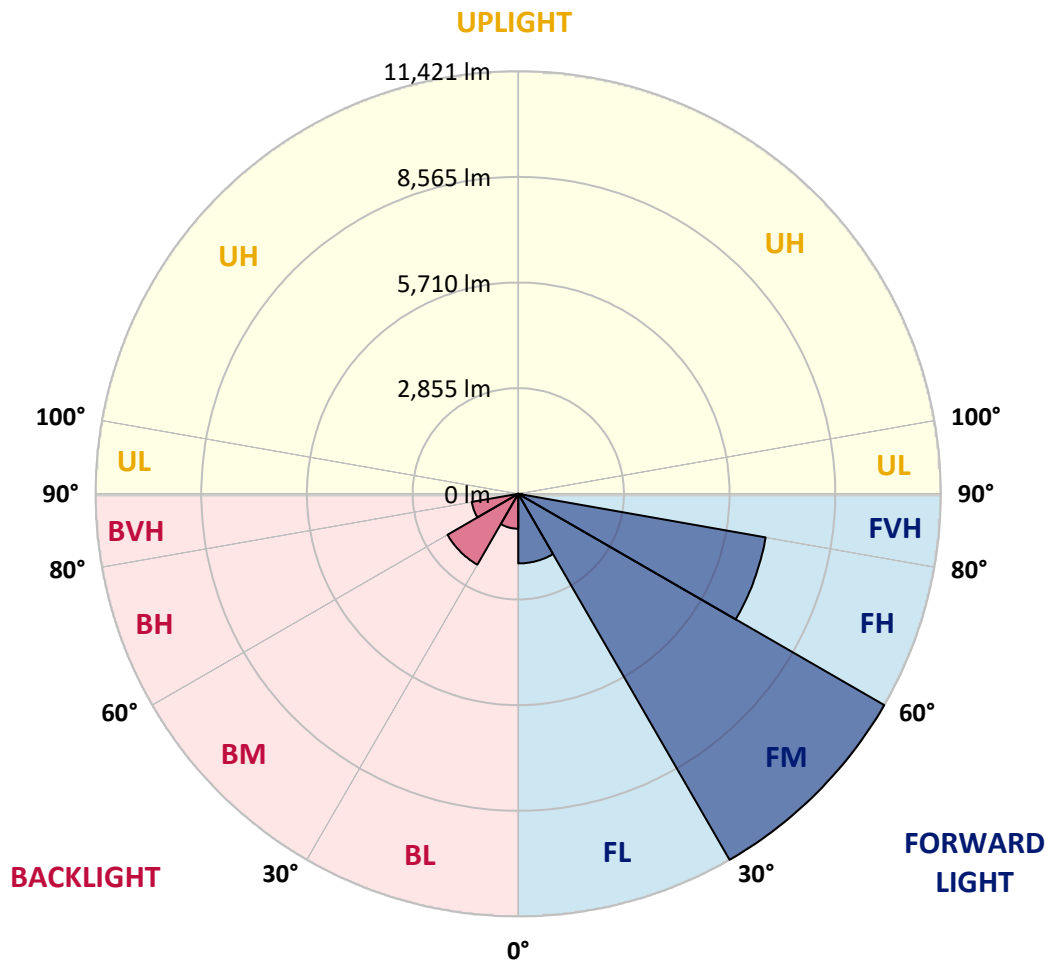
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1881.1	7.6			
FM (30°-60°)	11420.6	46.3			
FH (60°-80°)	6788.7	27.5			G3/7500
FVH (80°-90°)	101.0	0.4			G2/225
BL (0°-30°)	943.3	3.8	B2/1000		
BM (30°-60°)	2210.5	9.0	B2/2500		
BH (60°-80°)	1274.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.9	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°	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0
2.5°	4317.6	4342.4	4328.2	4321.1	4308.7	4290.9	4276.7	4232.3	4186.2	4156.0
5°	4404.6	4429.4	4427.6	4434.7	4443.6	4448.9	4445.4	4395.7	4330.0	4278.5
7.5°	4330.0	4358.4	4381.5	4417.0	4479.1	4544.8	4576.8	4566.1	4498.6	4427.6
10°	4118.7	4148.9	4203.9	4287.4	4418.8	4560.8	4679.7	4734.8	4692.2	4614.0
12.5°	3731.7	3761.9	3870.2	4051.3	4271.4	4518.2	4745.4	4892.8	4903.4	4825.3
15°	3296.8	3326.9	3442.3	3669.6	4005.1	4401.0	4780.9	5059.6	5153.7	5086.3
17.5°	3026.9	3053.5	3140.5	3323.4	3673.1	4166.7	4768.5	5237.2	5452.0	5398.7
20°	2945.2	2968.3	3009.2	3137.0	3428.1	3923.4	4686.8	5404.1	5773.3	5743.1
22.5°	3032.2	3053.5	3066.0	3122.8	3305.6	3763.7	4583.9	5574.5	6146.1	6149.7
25°	3232.8	3254.1	3239.9	3275.5	3355.3	3714.0	4544.8	5775.1	6614.8	6653.9
27.5°	3563.1	3564.8	3531.1	3529.3	3541.8	3788.5	4585.6	5989.9	7206.0	7278.8
30°	4225.2	4198.6	4069.0	3928.8	3864.9	4012.2	4699.3	6243.8	7903.7	8033.3
32.5°	5246.1	5207.0	4969.1	4633.6	4296.3	4372.6	4903.4	6533.2	8663.5	8897.9
35°	6353.8	6343.2	6094.7	5595.8	5006.4	4885.7	5235.4	6913.1	9492.6	9865.4
37.5°	7383.5	7378.2	7236.2	6648.5	5931.3	5601.1	5768.0	7410.2	10380.3	10920.0
40°	8324.4	8340.4	8198.4	7672.9	6950.4	6519.0	6492.3	8024.4	11367.3	12068.6
42.5°	9137.5	9155.3	9011.5	8622.7	7957.0	7534.4	7381.8	8777.1	12331.3	13302.4
45°	9689.7	9799.7	9778.4	9467.7	8990.2	8551.7	8450.5	9721.6	13430.2	14610.8
47.5°	9845.9	9947.1	10106.9	10149.5	9858.3	9426.9	9547.6	10859.6	14541.6	15921.0
50°	9460.6	9554.7	9886.7	10328.8	10531.2	10398.0	10614.6	12079.2	15679.6	17227.6
52.5°	8700.8	8796.7	9215.7	9915.1	10740.6	11159.6	11685.1	13281.1	16782.0	18465.0
55°	7601.9	7703.1	8241.0	9032.8	10341.2	11473.9	12578.1	14481.2	17792.2	19578.2
57.5°	6107.1	6181.6	6740.9	7848.7	9336.4	11161.4	13236.7	15791.4	18743.8	20671.7
60°	3980.3	4045.9	4695.7	5931.3	7671.1	10117.5	13368.1	17252.5	20007.8	22093.8
62.5°	2647.0	2691.4	3076.6	3983.8	5402.3	8113.2	12599.4	18418.9	21861.2	24568.6
65°	1816.1	1860.5	2245.8	2877.8	3490.3	5366.8	10389.1	18264.4	23540.7	26533.8
67.5°	1296.0	1333.3	1659.9	2256.4	2526.3	3117.5	7042.7	16290.3	23299.2	26608.4
70°	928.5	949.8	1219.6	1757.6	2007.9	1873.0	3916.3	12459.1	20400.1	24570.3
72.5°	649.8	656.9	846.8	1338.6	1617.3	1367.0	1864.1	8306.7	15429.2	19285.2
75°	440.3	449.2	569.9	981.7	1297.8	1043.9	987.1	4454.3	9057.6	10675.0
77.5°	269.8	273.4	367.5	671.1	971.1	795.3	635.6	1887.2	3504.5	3440.6
80°	152.7	152.7	234.3	417.2	662.2	513.1	445.6	802.4	1109.6	974.6
82.5°	85.2	87.0	170.4	259.2	438.5	303.6	245.0	371.0	479.3	424.3
85°	35.5	39.1	104.7	122.5	209.5	150.9	99.4	156.2	177.5	158.0
87.5°	3.6	5.3	32.0	23.1	24.9	30.2	14.2	30.2	24.9	24.9
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°
4085.0	0°	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0	4085.0
4145.4	2.5°	4111.6	4085.0	4017.5	3939.4	3836.5	3786.7	3719.3	3673.1	3634.1	3637.6
4248.3	5°	4191.5	4124.1	3973.2	3785.0	3550.6	3383.7	3206.2	3083.7	2984.3	2963.0
4390.4	7.5°	4301.6	4195.1	3930.5	3591.5	3195.6	2895.5	2627.5	2455.3	2332.8	2293.7
4562.6	10°	4443.6	4289.2	3875.5	3348.2	2778.4	2396.7	2109.1	1974.1	1890.7	1862.3
4764.9	12.5°	4608.7	4397.5	3802.7	3051.8	2348.7	1981.2	1798.4	1730.9	1704.3	1695.4
5013.5	15°	4816.4	4532.4	3692.7	2700.3	1984.8	1727.4	1649.3	1640.4	1643.9	1640.4
5311.7	17.5°	5063.2	4679.7	3513.3	2338.1	1739.8	1597.8	1569.4	1576.5	1585.4	1583.6
5645.5	20°	5333.0	4825.3	3284.3	2016.8	1572.9	1505.5	1489.5	1496.6	1503.7	1500.1
6030.7	22.5°	5640.2	4981.5	3030.5	1766.4	1461.1	1420.3	1402.5	1404.3	1404.3	1397.2
6519.0	25°	6007.7	5153.7	2764.2	1588.9	1375.9	1343.9	1322.6	1315.5	1304.9	1283.6
7111.9	27.5°	6446.2	5336.6	2508.5	1464.6	1308.4	1278.2	1253.4	1235.6	1209.0	1173.5
7823.8	30°	6939.7	5558.5	2291.9	1386.5	1255.1	1225.0	1196.6	1169.9	1130.9	1086.5
8642.2	32.5°	7520.2	5796.4	2133.9	1335.0	1207.2	1175.3	1141.5	1109.6	1067.0	1022.6
9561.8	35°	8212.6	6084.0	2041.6	1299.5	1169.9	1127.3	1090.0	1054.5	1022.6	983.5
10561.3	37.5°	8963.6	6389.4	2013.2	1281.8	1145.1	1079.4	1036.8	1011.9	1008.4	985.3
11642.5	40°	9785.5	6751.5	2034.5	1271.1	1118.4	1033.2	987.1	981.7	990.6	949.8
12798.2	42.5°	10655.4	7181.1	2070.0	1258.7	1081.2	987.1	942.7	942.7	935.6	878.8
14019.6	45°	11596.3	7676.5	2105.5	1228.5	1036.8	940.9	907.2	894.8	864.6	809.5
15248.2	47.5°	12544.4	8180.6	2132.2	1173.5	983.5	901.9	871.7	843.3	798.9	749.2
16453.6	50°	13444.4	8633.3	2103.7	1091.8	923.2	864.6	832.6	793.6	745.6	711.9
17595.1	52.5°	14248.7	9025.7	1983.0	996.0	859.3	825.5	797.1	756.3	717.2	681.7
18624.8	55°	14948.1	9343.5	1770.0	905.4	802.4	791.8	763.4	711.9	658.6	628.5
19645.6	57.5°	15619.2	9584.9	1503.7	830.8	751.0	754.5	711.9	665.7	616.0	584.1
21021.5	60°	16512.2	9908.0	1233.8	761.6	695.9	706.6	660.4	626.7	564.5	523.7
23380.9	62.5°	17939.5	10410.4	980.0	676.4	632.0	635.6	616.0	575.2	500.6	452.7
25129.6	65°	19072.2	10225.8	772.3	584.1	559.2	564.5	564.5	520.2	440.3	385.2
25223.7	67.5°	18944.4	8755.8	616.0	493.5	490.0	493.5	506.0	468.7	390.6	346.2
23302.8	70°	17451.3	6964.6	493.5	410.1	426.1	417.2	452.7	427.9	351.5	307.1
18065.6	72.5°	14239.8	5017.0	376.4	339.1	326.7	340.9	408.3	385.2	292.9	243.2
9568.9	75°	8320.9	2677.2	280.5	268.1	236.1	284.1	362.2	328.4	223.7	179.3
2932.8	77.5°	2709.1	933.8	205.9	197.1	175.8	229.0	308.9	276.9	182.9	142.0
859.3	80°	726.1	282.3	140.2	129.6	113.6	170.4	245.0	220.1	131.4	92.3
369.3	82.5°	291.2	118.9	81.7	72.8	62.1	117.2	193.5	177.5	97.6	58.6
115.4	85°	94.1	39.1	30.2	23.1	28.4	72.8	115.4	120.7	69.2	30.2
17.8	87.5°	12.4	5.3	5.3	7.1	5.3	12.4	35.5	33.7	19.5	3.6
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°
4085.0
3602.1
2915.1
2254.6
1841.0
1690.1
1638.6
1580.0
1498.4
1393.6
1280.0
1169.9
1082.9
1024.4
980.0
983.5
951.6
878.8
807.8
747.4
706.6
678.2
624.9
580.5
518.4
449.2
379.9
339.1
301.8
237.9
174.0
136.7
90.5
58.6
23.1
0.0
0.0

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