

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: P849365

Luminaire Tested: **GLAN-SB6B-840-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849365  
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-SB6B-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 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: 22175 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

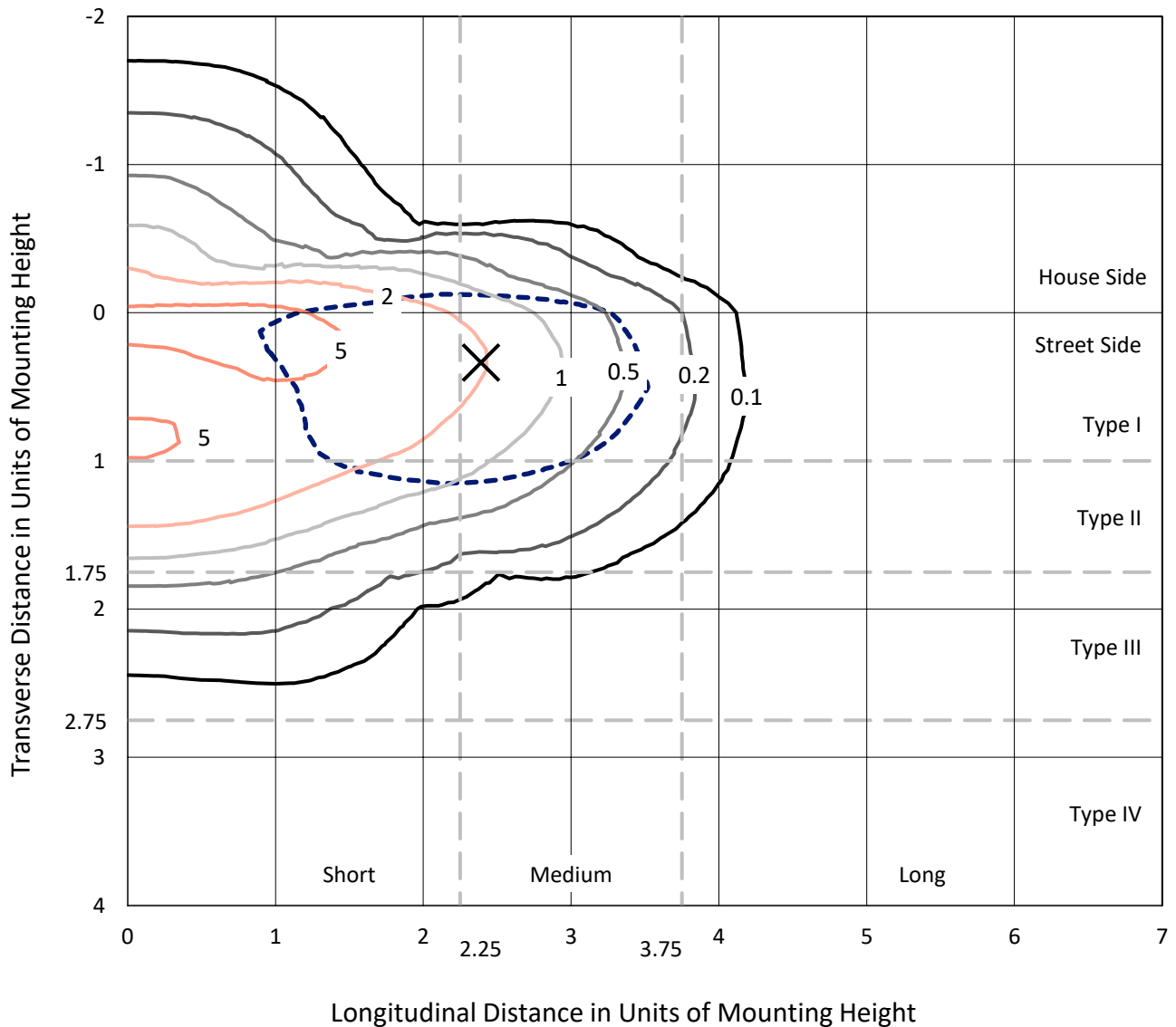
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

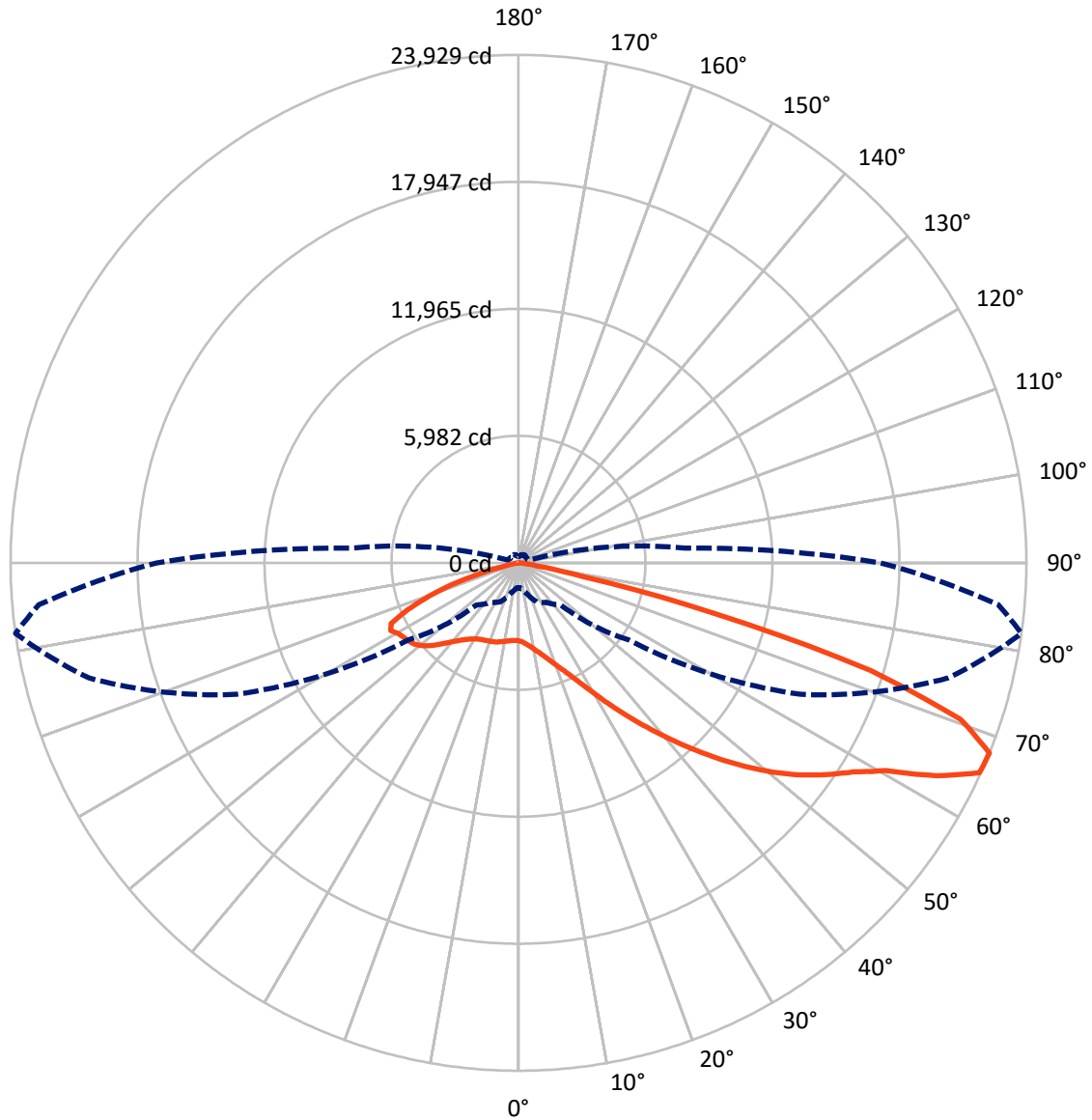
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	4016.8	0.0	4016.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	18158.2	0.0	18158.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	22175.0	0.0	22175.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.3	1.5
10°-20°	850.5	3.8
20°-30°	1362.2	6.1
30°-40°	2408.9	10.9
40°-50°	4220.6	19.0
50°-60°	5629.0	25.4
60°-70°	5240.3	23.6
70°-80°	2011.2	9.1
80°-90°	124.9	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°	22175.0	100.0
0°-180°	22175.0	100.0

**Coefficient of Utilization**

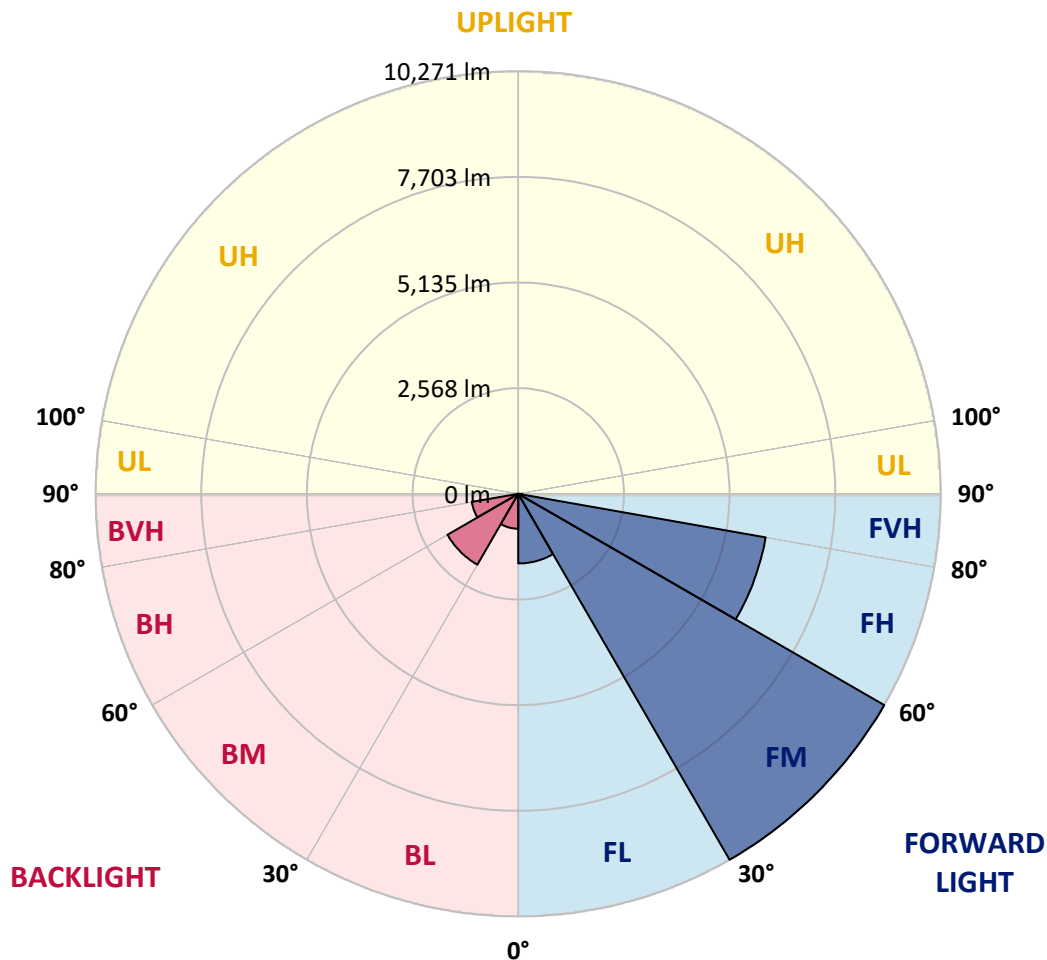


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.7	7.6			
FM (30°-60°)	10270.6	46.3			
FH (60°-80°)	6105.1	27.5			G3/7500
FVH (80°-90°)	90.8	0.4			G1/100
BL (0°-30°)	848.3	3.8	B2/1000		
BM (30°-60°)	1987.9	9.0	B2/2500		
BH (60°-80°)	1146.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	34.1	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°	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6
2.5°	3882.8	3905.1	3892.4	3886.0	3874.8	3858.8	3846.1	3806.2	3764.7	3737.5
5°	3961.0	3983.4	3981.8	3988.2	3996.1	4000.9	3997.7	3953.0	3894.0	3847.7
7.5°	3894.0	3919.5	3940.3	3972.2	4028.1	4087.2	4115.9	4106.3	4045.6	3981.8
10°	3704.0	3731.1	3780.6	3855.7	3973.8	4101.5	4208.5	4258.0	4219.7	4149.4
12.5°	3355.9	3383.1	3480.5	3643.3	3841.3	4063.2	4267.6	4400.1	4409.7	4339.4
15°	2964.8	2991.9	3095.7	3300.1	3601.8	3957.8	4299.5	4550.1	4634.8	4574.1
17.5°	2722.1	2746.1	2824.3	2988.7	3303.2	3747.1	4288.3	4709.8	4903.0	4855.1
20°	2648.7	2669.4	2706.1	2821.1	3082.9	3528.4	4214.9	4859.9	5192.0	5164.8
22.5°	2726.9	2746.1	2757.2	2808.3	2972.8	3384.7	4122.3	5013.1	5527.2	5530.4
25°	2907.3	2926.5	2913.7	2945.6	3017.5	3340.0	4087.2	5193.6	5948.7	5983.8
27.5°	3204.3	3205.9	3175.5	3173.9	3185.1	3407.0	4123.9	5386.7	6480.4	6545.8
30°	3799.8	3775.8	3659.3	3533.2	3475.7	3608.2	4226.1	5615.0	7107.8	7224.4
32.5°	4717.8	4682.7	4468.7	4167.0	3863.6	3932.3	4409.7	5875.3	7791.1	8001.9
35°	5714.0	5704.5	5480.9	5032.3	4502.3	4393.7	4708.2	6216.9	8536.7	8872.0
37.5°	6640.0	6635.2	6507.5	5979.1	5334.1	5037.1	5187.2	6664.0	9335.0	9820.3
40°	7486.2	7500.6	7372.8	6900.3	6250.5	5862.5	5838.6	7216.4	10222.7	10853.3
42.5°	8217.4	8233.4	8104.1	7754.4	7155.7	6775.7	6638.4	7893.3	11089.6	11962.9
45°	8713.9	8812.9	8793.8	8514.4	8084.9	7690.6	7599.5	8742.7	12077.9	13139.6
47.5°	8854.4	8945.4	9089.1	9127.4	8865.6	8477.6	8586.2	9766.1	13077.3	14317.8
50°	8508.0	8592.6	8891.2	9288.7	9470.7	9351.0	9545.7	10862.9	14100.7	15492.9
52.5°	7824.7	7910.9	8287.7	8916.7	9659.1	10035.9	10508.5	11943.7	15092.1	16605.7
55°	6836.4	6927.4	7411.2	8123.2	9299.9	10318.5	11311.5	13023.0	16000.6	17606.7
57.5°	5492.1	5559.2	6062.1	7058.3	8396.2	10037.5	11903.8	14201.3	16856.3	18590.2
60°	3579.5	3638.5	4222.9	5334.1	6898.7	9098.7	12022.0	15515.2	17993.0	19869.0
62.5°	2380.4	2420.4	2766.8	3582.6	4858.3	7296.2	11330.7	16564.1	19659.8	22094.6
65°	1633.3	1673.2	2019.6	2588.0	3138.8	4826.4	9343.0	16425.2	21170.2	23861.9
67.5°	1165.5	1199.0	1492.8	2029.2	2271.9	2803.5	6333.5	14649.9	20953.0	23929.0
70°	835.0	854.2	1096.8	1580.6	1805.7	1684.4	3522.0	11204.5	18345.9	22096.2
72.5°	584.3	590.7	761.6	1203.8	1454.5	1229.3	1676.4	7470.2	13875.6	17343.3
75°	395.9	403.9	512.5	882.9	1167.1	938.8	887.7	4005.7	8145.6	9600.0
77.5°	242.7	245.9	330.5	603.5	873.3	715.3	571.6	1697.1	3151.6	3094.1
80°	137.3	137.3	210.7	375.2	595.5	461.4	400.7	721.6	997.8	876.5
82.5°	76.6	78.2	153.3	233.1	394.3	273.0	220.3	333.7	431.1	381.6
85°	31.9	35.1	94.2	110.2	188.4	135.7	89.4	140.5	159.7	142.1
87.5°	3.2	4.8	28.7	20.8	22.4	27.1	12.8	27.1	22.4	22.4
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°
3673.6	0°	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6
3727.9	2.5°	3697.6	3673.6	3613.0	3542.7	3450.1	3405.4	3344.8	3303.2	3268.1	3271.3
3820.5	5°	3769.4	3708.8	3573.1	3403.8	3193.1	3043.0	2883.4	2773.2	2683.8	2664.6
3948.3	7.5°	3868.4	3772.6	3534.7	3229.8	2873.8	2604.0	2362.9	2208.0	2097.9	2062.7
4103.1	10°	3996.1	3857.2	3485.3	3011.1	2498.6	2155.3	1896.7	1775.4	1700.3	1674.8
4285.1	12.5°	4144.6	3954.6	3419.8	2744.5	2112.2	1781.7	1617.3	1556.6	1532.7	1524.7
4508.6	15°	4331.4	4076.0	3320.8	2428.3	1784.9	1553.4	1483.2	1475.2	1478.4	1475.2
4776.9	17.5°	4553.3	4208.5	3159.6	2102.6	1564.6	1436.9	1411.3	1417.7	1425.7	1424.1
5077.0	20°	4796.0	4339.4	2953.6	1813.7	1414.5	1353.9	1339.5	1345.9	1352.3	1349.1
5423.5	22.5°	5072.2	4479.9	2725.3	1588.6	1314.0	1277.2	1261.3	1262.9	1262.9	1256.5
5862.5	25°	5402.7	4634.8	2485.8	1428.9	1237.3	1208.6	1189.4	1183.0	1173.5	1154.3
6395.8	27.5°	5797.1	4799.2	2255.9	1317.1	1176.7	1149.5	1127.2	1111.2	1087.2	1055.3
7036.0	30°	6240.9	4998.8	2061.1	1246.9	1128.8	1101.6	1076.1	1052.1	1017.0	977.1
7772.0	32.5°	6763.0	5212.7	1919.0	1200.6	1085.6	1056.9	1026.6	997.8	959.5	919.6
8599.0	35°	7385.6	5471.4	1836.0	1168.7	1052.1	1013.8	980.3	948.3	919.6	884.5
9497.8	37.5°	8060.9	5746.0	1810.5	1152.7	1029.8	970.7	932.4	910.0	906.8	886.1
10470.1	40°	8800.1	6071.7	1829.6	1143.1	1005.8	929.2	887.7	882.9	890.9	854.2
11509.5	42.5°	9582.5	6458.0	1861.6	1131.9	972.3	887.7	847.8	847.8	841.4	790.3
12607.9	45°	10428.6	6903.5	1893.5	1104.8	932.4	846.2	815.8	804.7	777.5	728.0
13712.7	47.5°	11281.2	7356.9	1917.4	1055.3	884.5	811.0	783.9	758.4	718.4	673.7
14796.8	50°	12090.6	7764.0	1891.9	981.9	830.2	777.5	748.8	713.7	670.5	640.2
15823.3	52.5°	12813.9	8116.8	1783.3	895.7	772.7	742.4	716.8	680.1	645.0	613.1
16749.3	55°	13442.9	8402.6	1591.8	814.2	721.6	712.1	686.5	640.2	592.3	565.2
17667.4	57.5°	14046.4	8619.7	1352.3	747.2	675.3	678.5	640.2	598.7	554.0	525.3
18904.7	60°	14849.5	8910.3	1109.6	684.9	625.8	635.4	593.9	563.6	507.7	471.0
21026.5	62.5°	16133.1	9362.1	881.3	608.3	568.4	571.6	554.0	517.3	450.2	407.1
22599.1	65°	17151.7	9196.1	694.5	525.3	502.9	507.7	507.7	467.8	395.9	346.4
22683.7	67.5°	17036.7	7874.2	554.0	443.8	440.6	443.8	455.0	421.5	351.2	311.3
20956.2	70°	15694.0	6263.2	443.8	368.8	383.2	375.2	407.1	384.8	316.1	276.2
16246.4	72.5°	12805.9	4511.8	338.5	304.9	293.8	306.5	367.2	346.4	263.4	218.7
8605.4	75°	7483.0	2407.6	252.3	241.1	212.3	255.4	325.7	295.4	201.2	161.3
2637.5	77.5°	2436.3	839.8	185.2	177.2	158.1	206.0	277.8	249.1	164.4	127.7
772.7	80°	653.0	253.9	126.1	116.5	102.2	153.3	220.3	198.0	118.1	83.0
332.1	82.5°	261.8	107.0	73.4	65.5	55.9	105.4	174.0	159.7	87.8	52.7
103.8	85°	84.6	35.1	27.1	20.8	25.5	65.5	103.8	108.6	62.3	27.1
16.0	87.5°	11.2	4.8	4.8	6.4	4.8	11.2	31.9	30.3	17.6	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°
3673.6
3239.4
2621.5
2027.6
1655.6
1519.9
1473.6
1420.9
1347.5
1253.3
1151.1
1052.1
973.9
921.2
881.3
884.5
855.7
790.3
726.4
672.1
635.4
609.9
562.0
522.1
466.2
403.9
341.7
304.9
271.4
213.9
156.5
122.9
81.4
52.7
20.8
0.0
0.0

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