

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: P850065

Luminaire Tested: **GLAN-SB7B-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850065  
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-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 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: 18832 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

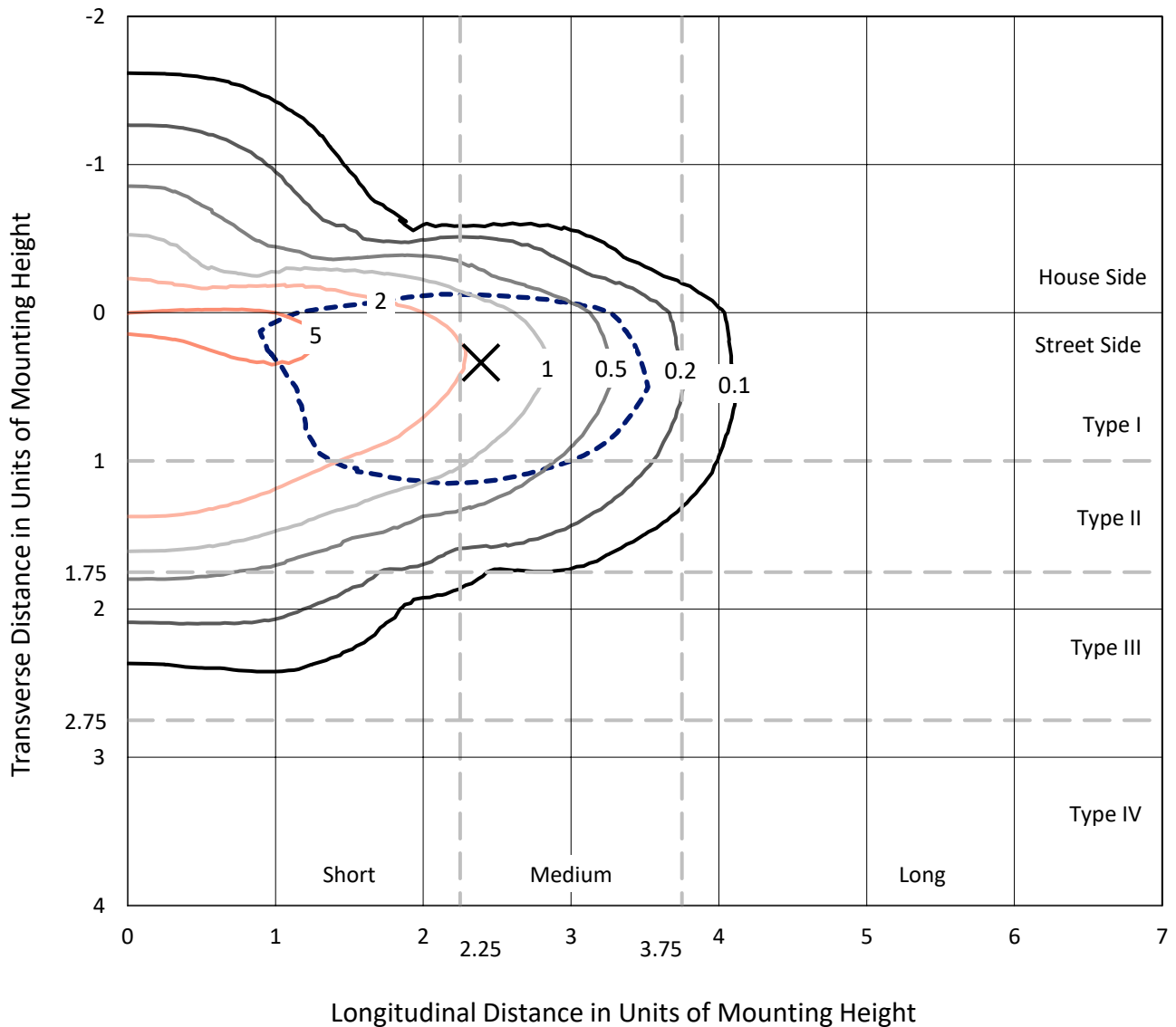
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

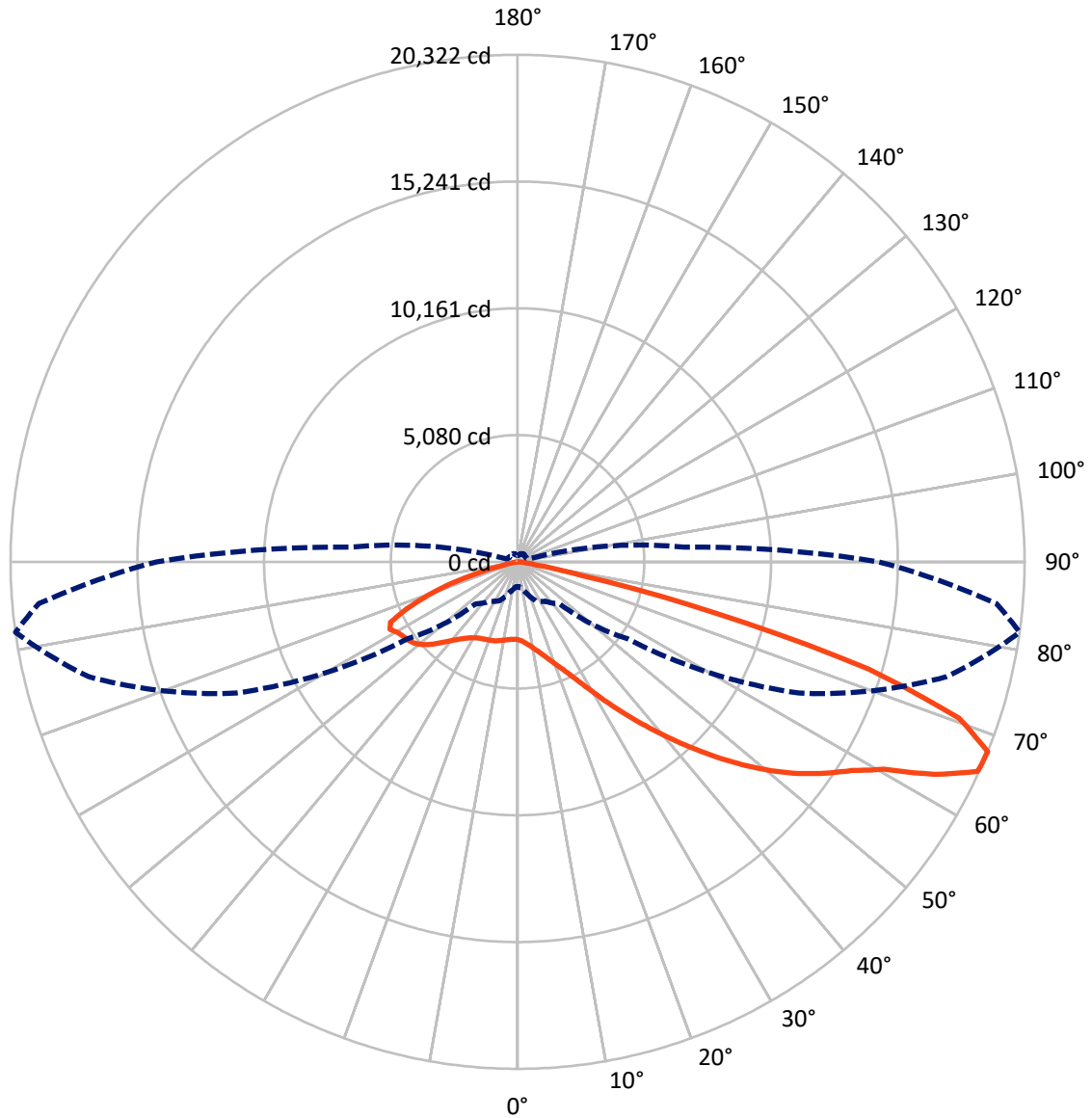
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	3411.2	0.0	3411.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15420.8	0.0	15420.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	18832.0	0.0	18832.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.0	1.5
10°-20°	722.3	3.8
20°-30°	1156.9	6.1
30°-40°	2045.7	10.9
40°-50°	3584.3	19.0
50°-60°	4780.4	25.4
60°-70°	4450.3	23.6
70°-80°	1708.0	9.1
80°-90°	106.1	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°	18832.0	100.0
0°-180°	18832.0	100.0

**Coefficient of Utilization**

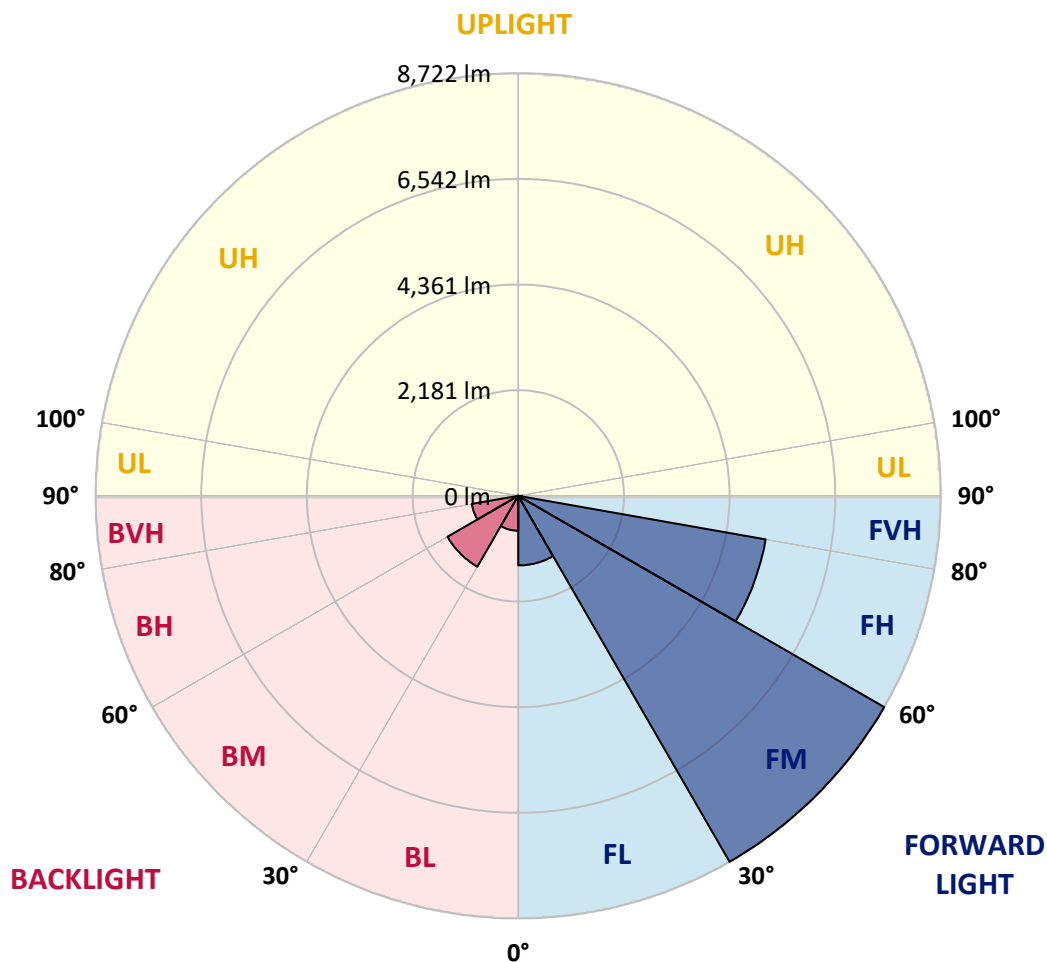


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1436.7	7.6			
FM (30°-60°)	8722.2	46.3			
FH (60°-80°)	5184.7	27.5			G3/7500
FVH (80°-90°)	77.1	0.4			G1/100
BL (0°-30°)	720.4	3.8	B2/1000		
BM (30°-60°)	1688.2	9.0	B2/2500		
BH (60°-80°)	973.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	29.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8
2.5°	3297.4	3316.4	3305.6	3300.2	3290.7	3277.1	3266.3	3232.4	3197.1	3174.1
5°	3363.9	3382.9	3381.5	3386.9	3393.7	3397.8	3395.1	3357.1	3306.9	3267.6
7.5°	3306.9	3328.6	3346.3	3373.4	3420.8	3471.0	3495.4	3487.3	3435.7	3381.5
10°	3145.6	3168.6	3210.7	3274.4	3374.7	3483.2	3574.0	3616.1	3583.5	3523.9
12.5°	2850.0	2873.1	2955.8	3094.1	3262.2	3450.7	3624.2	3736.7	3744.9	3685.2
15°	2517.8	2540.9	2629.0	2802.6	3058.8	3361.2	3651.3	3864.2	3936.1	3884.5
17.5°	2311.7	2332.1	2398.5	2538.2	2805.3	3182.2	3641.8	3999.8	4163.8	4123.2
20°	2249.4	2267.0	2298.2	2395.8	2618.2	2996.4	3579.5	4127.2	4409.2	4386.2
22.5°	2315.8	2332.1	2341.6	2385.0	2524.6	2874.4	3500.8	4257.4	4694.0	4696.7
25°	2469.0	2485.3	2474.4	2501.6	2562.6	2836.5	3471.0	4410.6	5051.9	5081.7
27.5°	2721.2	2722.6	2696.8	2695.4	2704.9	2893.4	3502.2	4574.7	5503.4	5559.0
30°	3226.9	3206.6	3107.6	3000.5	2951.7	3064.2	3589.0	4768.5	6036.3	6135.2
32.5°	4006.6	3976.7	3795.0	3538.8	3281.2	3339.5	3744.9	4989.6	6616.6	6795.6
35°	4852.6	4844.5	4654.7	4273.7	3823.5	3731.3	3998.4	5279.7	7249.8	7534.5
37.5°	5639.0	5634.9	5526.5	5077.7	4529.9	4277.7	4405.2	5659.3	7927.7	8339.9
40°	6357.6	6369.8	6261.3	5860.0	5308.2	4978.7	4958.4	6128.5	8681.5	9217.1
42.5°	6978.6	6992.2	6882.3	6585.4	6076.9	5754.3	5637.7	6703.4	9417.8	10159.4
45°	7400.3	7484.3	7468.1	7230.8	6866.1	6531.2	6453.9	7424.7	10257.1	11158.7
47.5°	7519.6	7596.9	7718.9	7751.4	7529.1	7199.6	7291.8	8293.8	11105.8	12159.3
50°	7225.4	7297.2	7550.8	7888.4	8042.9	7941.2	8106.7	9225.2	11974.9	13157.2
52.5°	6645.1	6718.3	7038.2	7572.5	8202.9	8522.9	8924.2	10143.2	12816.9	14102.3
55°	5805.8	5883.1	6293.9	6898.6	7897.9	8762.9	9606.2	11059.7	13588.4	14952.4
57.5°	4664.1	4721.1	5148.2	5994.2	7130.4	8524.3	10109.3	12060.3	14315.1	15787.6
60°	3039.8	3090.0	3586.2	4529.9	5858.7	7727.0	10209.6	13176.2	15280.5	16873.6
62.5°	2021.6	2055.5	2349.7	3042.5	4125.9	6196.3	9622.5	14067.0	16696.0	18763.7
65°	1387.0	1420.9	1715.2	2197.8	2665.6	4098.8	7934.5	13949.0	17978.7	20264.6
67.5°	989.8	1018.2	1267.7	1723.3	1929.4	2380.9	5378.7	12441.3	17794.3	20321.6
70°	709.1	725.4	931.5	1342.3	1533.5	1430.4	2991.0	9515.4	15580.1	18765.0
72.5°	496.2	501.7	646.7	1022.3	1235.2	1044.0	1423.6	6344.1	11783.7	14728.7
75°	336.3	343.0	435.2	749.8	991.1	797.2	753.9	3401.8	6917.6	8152.8
77.5°	206.1	208.8	280.7	512.5	741.7	607.4	485.4	1441.3	2676.5	2627.6
80°	116.6	116.6	179.0	318.6	505.7	391.8	340.3	612.8	847.4	744.4
82.5°	65.1	66.4	130.2	198.0	334.9	231.9	187.1	283.4	366.1	324.0
85°	27.1	29.8	80.0	93.6	160.0	115.2	75.9	119.3	135.6	120.7
87.5°	2.7	4.1	24.4	17.6	19.0	23.0	10.8	23.0	19.0	19.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3119.8	0°	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8
3165.9	2.5°	3140.2	3119.8	3068.3	3008.6	2930.0	2892.0	2840.5	2805.3	2775.4	2778.1
3244.6	5°	3201.2	3149.7	3034.4	2890.7	2711.7	2584.3	2448.7	2355.1	2279.2	2262.9
3353.0	7.5°	3285.2	3203.9	3001.9	2742.9	2440.5	2211.4	2006.7	1875.1	1781.6	1751.8
3484.6	10°	3393.7	3275.7	2959.8	2557.1	2121.9	1830.4	1610.8	1507.7	1444.0	1422.3
3639.1	12.5°	3519.8	3358.5	2904.2	2330.7	1793.8	1513.1	1373.5	1322.0	1301.6	1294.8
3828.9	15°	3678.4	3461.5	2820.2	2062.3	1515.8	1319.2	1259.6	1252.8	1255.5	1252.8
4056.7	17.5°	3866.9	3574.0	2683.2	1785.7	1328.7	1220.3	1198.6	1204.0	1210.8	1209.4
4311.6	20°	4073.0	3685.2	2508.3	1540.3	1201.3	1149.8	1137.6	1143.0	1148.4	1145.7
4605.8	22.5°	4307.6	3804.5	2314.4	1349.1	1115.9	1084.7	1071.1	1072.5	1072.5	1067.1
4978.7	25°	4588.2	3936.1	2111.1	1213.5	1050.8	1026.4	1010.1	1004.7	996.6	980.3
5431.6	27.5°	4923.1	4075.7	1915.8	1118.6	999.3	976.2	957.2	943.7	923.3	896.2
5975.3	30°	5300.0	4245.2	1750.4	1058.9	958.6	935.5	913.8	893.5	863.7	829.8
6600.3	32.5°	5743.4	4426.9	1629.7	1019.6	922.0	897.6	871.8	847.4	814.9	781.0
7302.6	35°	6272.2	4646.5	1559.2	992.5	893.5	861.0	832.5	805.4	781.0	751.1
8066.0	37.5°	6845.7	4879.7	1537.5	978.9	874.5	824.4	791.8	772.8	770.1	752.5
8891.7	40°	7473.5	5156.3	1553.8	970.8	854.2	789.1	753.9	749.8	756.6	725.4
9774.4	42.5°	8137.8	5484.4	1580.9	961.3	825.7	753.9	720.0	720.0	714.5	671.1
10707.2	45°	8856.5	5862.7	1608.0	938.3	791.8	718.6	692.8	683.4	660.3	618.3
11645.4	47.5°	9580.5	6247.8	1628.4	896.2	751.1	688.8	665.7	644.0	610.1	572.2
12566.1	50°	10267.9	6593.5	1606.7	833.9	705.0	660.3	635.9	606.1	569.5	543.7
13437.9	52.5°	10882.1	6893.2	1514.5	760.6	656.2	630.5	608.8	577.6	547.8	520.6
14224.3	55°	11416.3	7135.9	1351.8	691.5	612.8	604.7	583.0	543.7	503.0	480.0
15003.9	57.5°	11928.8	7320.3	1148.4	634.5	573.5	576.2	543.7	508.4	470.5	446.1
16054.7	60°	12610.8	7567.0	942.3	581.7	531.5	539.6	504.4	478.6	431.2	400.0
17856.6	62.5°	13700.9	7950.7	748.4	516.6	482.7	485.4	470.5	439.3	382.4	345.7
19192.1	65°	14566.0	7809.7	589.8	446.1	427.1	431.2	431.2	397.3	336.3	294.2
19264.0	67.5°	14468.3	6687.1	470.5	376.9	374.2	376.9	386.4	357.9	298.3	264.4
17797.0	70°	13328.1	5319.0	376.9	313.2	325.4	318.6	345.7	326.8	268.5	234.6
13797.2	72.5°	10875.3	3831.6	287.4	259.0	249.5	260.3	311.8	294.2	223.7	185.8
7308.1	75°	6354.9	2044.6	214.2	204.7	180.3	216.9	276.6	250.8	170.8	136.9
2239.9	77.5°	2069.0	713.2	157.3	150.5	134.2	174.9	235.9	211.5	139.7	108.5
656.2	80°	554.5	215.6	107.1	99.0	86.8	130.2	187.1	168.1	100.3	70.5
282.0	82.5°	222.4	90.8	62.4	55.6	47.5	89.5	147.8	135.6	74.6	44.7
88.1	85°	71.9	29.8	23.0	17.6	21.7	55.6	88.1	92.2	52.9	23.0
13.6	87.5°	9.5	4.1	4.1	5.4	4.1	9.5	27.1	25.8	14.9	2.7
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°
3119.8
2751.0
2226.3
1721.9
1406.0
1290.8
1251.5
1206.7
1144.3
1064.3
977.6
893.5
827.1
782.3
748.4
751.1
726.7
671.1
616.9
570.8
539.6
517.9
477.3
443.4
395.9
343.0
290.2
259.0
230.5
181.7
132.9
104.4
69.1
44.7
17.6
0.0
0.0

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