

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: P848953

Luminaire Tested: **GLAN-SB5D-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 50002 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

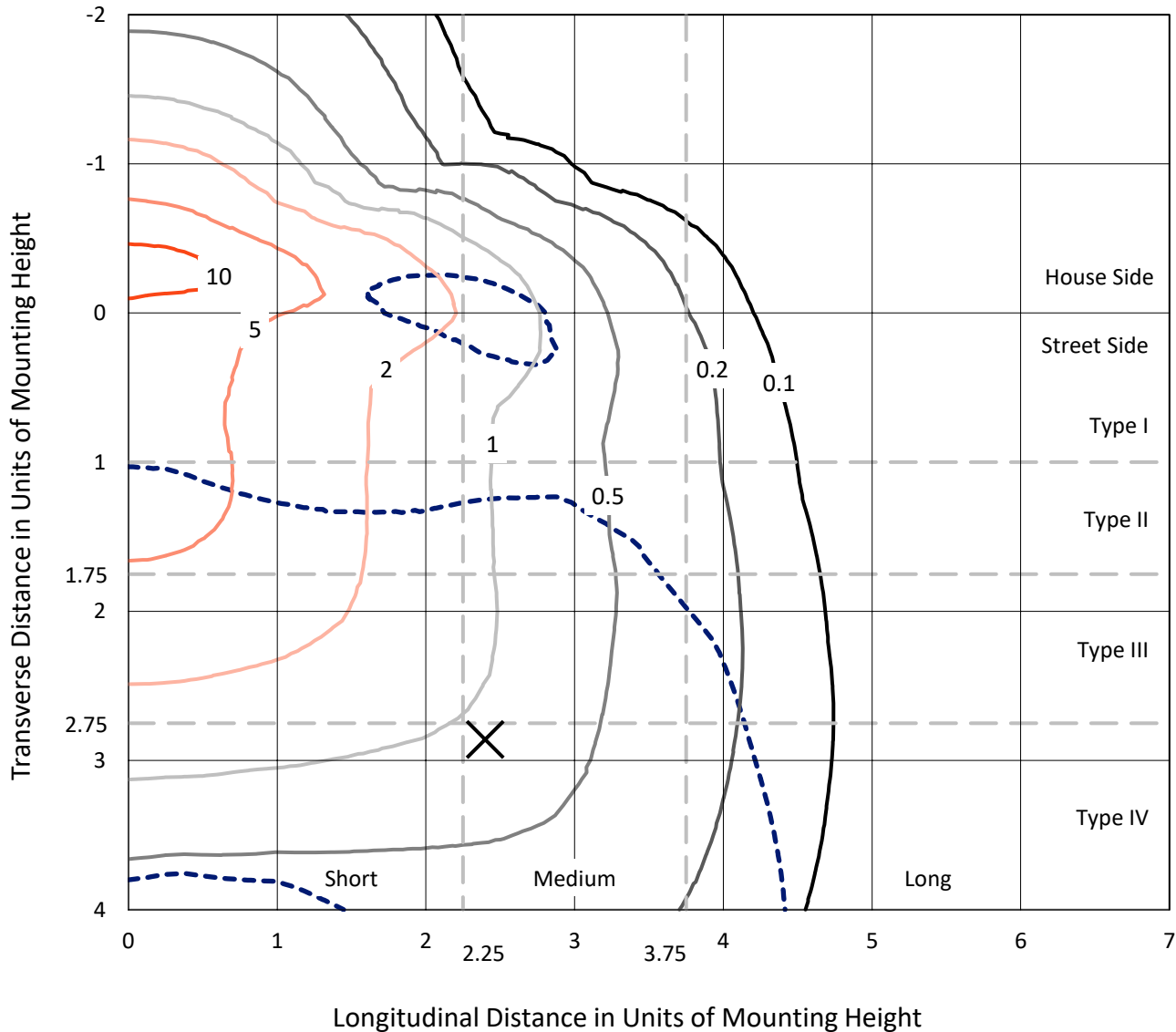
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

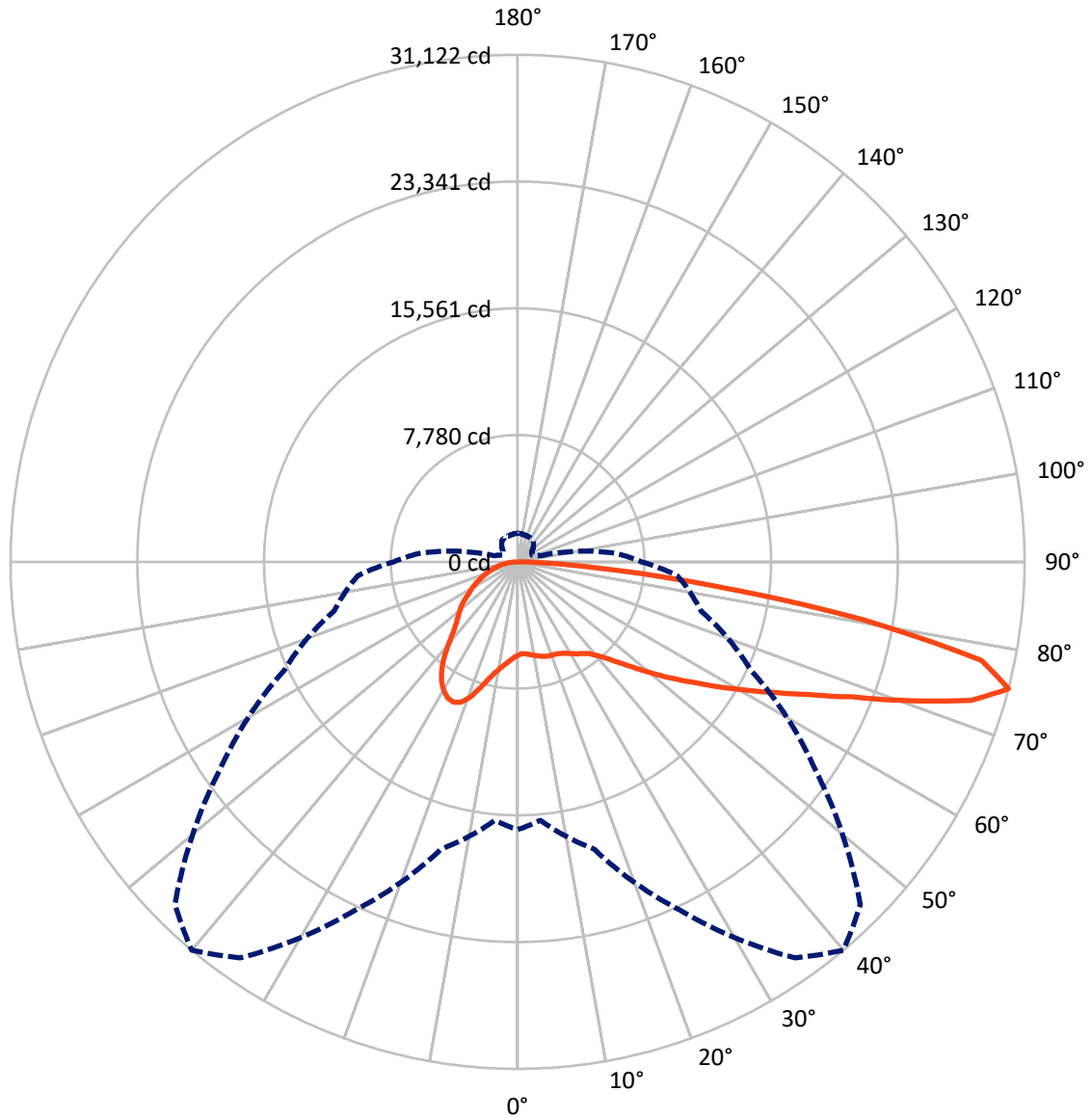
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15492.3	0.0	15492.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	34509.7	0.0	34509.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	50002.0	0.0	50002.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	570.8	1.1
10°-20°	1916.3	3.8
20°-30°	3498.9	7.0
30°-40°	4962.4	9.9
40°-50°	6700.8	13.4
50°-60°	9014.3	18.0
60°-70°	11441.3	22.9
70°-80°	10383.7	20.8
80°-90°	1513.6	3.0
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°	50002.0	100.0
0°-180°	50002.0	100.0

**Coefficient of Utilization**

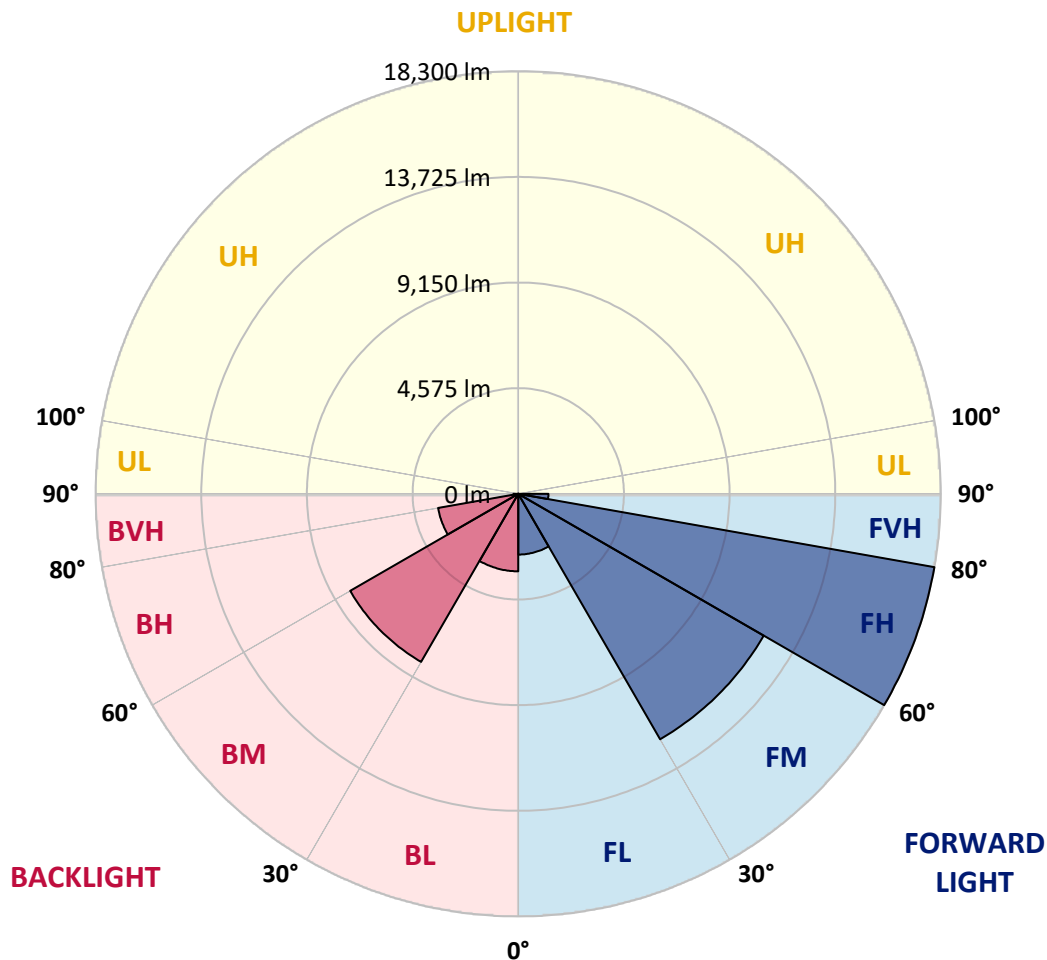


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2630.2	5.3			
FM (30°-60°)	12274.4	24.5			
FH (60°-80°)	18300.0	36.6			G5
FVH (80°-90°)	1305.2	2.6			G5
BL (0°-30°)	3355.8	6.7	B4/5000		
BM (30°-60°)	8403.2	16.8	B4/8500		
BH (60°-80°)	3525.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	208.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8
2.5°	5630.3	5662.1	5654.1	5643.5	5643.5	5646.2	5643.5	5662.1	5680.7	5699.2
5°	5688.6	5720.4	5704.5	5691.3	5680.7	5678.0	5670.1	5667.4	5678.0	5701.9
7.5°	5802.7	5834.5	5810.6	5786.7	5765.5	5754.9	5744.3	5728.4	5720.4	5733.7
10°	5930.0	5961.8	5932.6	5890.2	5855.7	5842.4	5831.8	5815.9	5805.3	5813.3
12.5°	6057.3	6089.1	6049.3	5991.0	5945.9	5937.9	5924.7	5919.4	5916.7	5914.0
15°	6176.6	6203.1	6152.7	6083.8	6036.0	6022.8	6009.5	6017.5	6030.7	6046.6
17.5°	6269.4	6295.9	6221.7	6131.5	6086.4	6081.1	6073.2	6099.7	6136.8	6176.6
20°	6354.3	6380.8	6285.3	6163.3	6110.3	6110.3	6112.9	6168.6	6221.7	6280.0
22.5°	6473.6	6494.8	6378.2	6211.1	6134.2	6139.5	6160.7	6216.4	6282.7	6362.2
25°	6651.3	6667.2	6524.0	6301.2	6213.7	6229.6	6248.2	6274.7	6338.4	6431.2
27.5°	6937.7	6951.0	6762.7	6460.4	6327.8	6354.3	6380.8	6362.2	6391.4	6471.0
30°	7340.8	7348.8	7110.1	6709.7	6521.4	6534.6	6539.9	6463.0	6407.3	6471.0
32.5°	7818.2	7815.6	7531.8	7012.0	6741.5	6728.2	6683.1	6532.0	6402.0	6457.7
35°	8558.1	8529.0	8163.0	7436.3	6990.8	6908.6	6802.5	6608.9	6428.5	6444.5
37.5°	9783.4	9693.2	9186.7	8131.2	7362.1	7152.5	6996.1	6733.5	6486.9	6439.1
40°	11165.1	11051.0	10494.1	9083.2	7919.0	7582.2	7330.2	6911.2	6582.4	6463.0
42.5°	12804.0	12642.3	12042.9	10205.0	8624.4	8136.5	7757.2	7136.6	6722.9	6539.9
45°	14816.9	14602.1	13753.5	11470.1	9512.9	8863.1	8356.6	7478.7	6937.7	6688.4
47.5°	16851.1	16904.1	15697.4	12918.1	10579.0	9759.5	9107.1	7993.2	7250.7	6927.1
50°	19012.5	19049.6	17630.8	14522.6	11788.3	10772.6	9950.4	8568.7	7685.6	7266.6
52.5°	20699.2	20704.5	19386.4	16201.3	13048.0	11886.4	10860.1	9226.4	8189.5	7717.4
55°	21754.7	21741.4	20616.9	17789.9	14496.0	13056.0	11867.9	9974.3	8804.8	8247.8
57.5°	22521.1	22481.3	21465.6	19155.7	16039.5	14437.7	13008.2	10823.0	9531.4	8879.0
60°	22812.8	22789.0	22041.1	20335.8	17662.6	15965.3	14323.7	11772.4	10356.2	9624.2
62.5°	22924.2	22969.3	22606.0	21478.9	19399.7	17657.3	15769.0	12907.5	11284.4	10467.6
65°	23316.7	23398.9	23324.7	22974.6	21362.2	19638.3	17686.4	14257.4	12297.5	11371.9
67.5°	24093.8	24176.0	24207.8	24764.7	23759.6	22107.4	20078.6	15938.8	13483.0	12310.8
70°	24075.2	24051.3	24613.6	26188.9	26761.7	25525.9	23303.5	18007.3	14896.5	13090.5
72.5°	21913.8	21722.8	23051.5	26173.0	29259.9	29095.5	27241.7	20675.3	16116.4	13185.9
75°	16440.0	15930.8	18277.9	23587.2	29676.3	31121.7	29745.3	22330.2	15827.4	11650.4
77.5°	7030.6	6518.7	9284.8	17461.0	26560.2	29092.9	27448.6	19481.9	12634.3	7704.2
80°	1840.5	1837.9	2805.9	7916.3	18063.0	21484.2	18848.0	12581.3	7218.8	2752.8
82.5°	761.1	742.6	1031.6	3079.0	8826.0	12056.2	9839.1	5611.7	2607.0	745.2
85°	283.8	281.1	501.2	1063.5	3113.5	4972.6	3598.8	1434.8	649.7	363.3
87.5°	79.6	76.9	108.7	368.6	758.5	1151.0	615.3	236.0	183.0	143.2
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°
5717.8	0°	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8	5717.8
5728.4	2.5°	5736.4	5749.6	5773.5	5792.1	5815.9	5842.4	5879.6	5903.4	5927.3	5943.2
5741.7	5°	5760.2	5789.4	5850.4	5911.4	5983.0	6049.3	6126.2	6181.9	6227.0	6240.2
5789.4	7.5°	5813.3	5861.0	5964.4	6067.9	6181.9	6290.6	6402.0	6497.5	6574.4	6603.6
5874.3	10°	5906.1	5969.7	6115.6	6261.5	6412.6	6579.7	6722.9	6860.8	6969.6	7014.6
5975.0	12.5°	6022.8	6102.3	6293.3	6494.8	6704.4	6935.1	7120.7	7290.5	7425.7	7486.7
6115.6	15°	6173.9	6277.4	6521.4	6791.9	7099.5	7420.4	7656.4	7844.7	7995.9	8070.2
6261.5	17.5°	6338.4	6476.3	6783.9	7192.3	7632.6	8054.2	8330.1	8468.0	8624.4	8696.0
6396.7	20°	6497.5	6667.2	7107.5	7701.5	8287.6	8735.8	8958.6	8995.7	9006.3	9014.3
6524.0	22.5°	6661.9	6890.0	7513.2	8343.3	8971.8	9282.1	9314.0	9154.8	8932.1	8828.6
6648.7	25°	6842.3	7144.6	8043.6	9051.4	9560.6	9597.7	9353.7	8966.5	8544.9	8351.3
6749.4	27.5°	7017.3	7439.0	8680.1	9727.7	9984.9	9658.7	9133.6	8584.6	8075.5	7871.3
6821.0	30°	7192.3	7775.8	9382.9	10319.1	10178.5	9507.6	8786.2	8173.6	7661.7	7446.9
6884.7	32.5°	7370.0	8168.3	10191.8	10746.1	10144.0	9186.7	8353.9	7712.1	7261.3	7035.9
6940.4	35°	7571.6	8651.0	10958.2	10979.4	9913.3	8714.6	7783.7	7160.5	6768.0	6587.7
7006.7	37.5°	7834.1	9263.6	11634.5	11037.8	9510.2	8022.4	7075.6	6508.1	6184.6	6102.3
7104.8	40°	8160.3	10000.8	12151.6	10945.0	8913.5	7181.7	6301.2	5847.7	5664.8	5683.3
7237.4	42.5°	8584.6	10825.6	12515.0	10706.3	8083.4	6314.5	5622.3	5420.8	5508.3	5582.5
7436.3	45°	9136.3	11682.2	12740.4	10300.5	7144.6	5579.9	5221.9	5269.6	5335.9	5343.9
7757.2	47.5°	9841.7	12549.4	12888.9	9687.9	6187.2	5062.7	4967.3	4977.9	4964.6	4908.9
8237.2	50°	10722.2	13392.8	13021.5	8876.4	5373.0	4739.2	4611.9	4574.8	4391.8	4211.4
8876.4	52.5°	11724.7	14167.2	13077.2	7868.6	4739.2	4468.7	4261.8	4028.4	3686.3	3630.6
9679.9	55°	12838.5	14883.2	12934.0	6630.1	4206.1	4121.3	3808.3	3527.2	3490.1	3442.3
10738.1	57.5°	14169.8	15655.0	12642.3	5248.4	3659.8	3715.5	3410.5	3442.3	3376.0	3301.8
12098.6	60°	15625.8	16453.2	12130.4	3988.7	3094.9	3209.0	3307.1	3304.4	3285.9	3224.9
13533.4	62.5°	16935.9	16978.4	11122.7	3055.1	2599.0	2816.5	3084.3	3081.7	3065.8	3031.3
15031.8	65°	17715.6	16898.8	9441.3	2405.4	2190.6	2492.9	2782.0	2803.2	2805.9	2803.2
16158.9	67.5°	17577.7	15967.9	7134.0	1914.8	1853.8	2164.1	2482.3	2511.5	2532.7	2538.0
16302.1	70°	16018.3	13923.2	4651.7	1527.6	1554.1	1875.0	2198.5	2227.7	2246.3	2267.5
14146.0	72.5°	12485.8	10236.9	2662.6	1235.9	1291.5	1625.7	1917.4	1951.9	1962.5	2002.3
9844.4	75°	7608.7	6020.1	1437.4	973.3	1060.8	1389.7	1639.0	1678.7	1697.3	1745.0
4834.7	77.5°	3617.4	2607.0	819.5	758.5	854.0	1135.1	1384.4	1429.4	1379.1	1405.6
1334.0	80°	1222.6	968.0	517.1	578.1	652.4	885.8	1108.6	1153.6	1047.6	1042.3
442.9	82.5°	427.0	392.5	328.9	384.5	421.7	633.8	838.0	896.4	779.7	777.0
198.9	85°	167.1	159.1	183.0	209.5	251.9	389.8	551.6	580.8	480.0	387.2
58.3	87.5°	34.5	37.1	45.1	47.7	76.9	135.3	198.9	244.0	193.6	164.4
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°
5717.8
5932.6
6245.6
6606.2
7017.3
7486.7
8064.8
8693.4
9035.5
8857.8
8380.4
7895.1
7470.8
7065.0
6627.4
6160.7
5747.0
5651.5
5396.9
4951.4
4235.3
3649.2
3450.3
3288.5
3203.7
3018.0
2803.2
2543.3
2278.1
2018.2
1750.3
1384.4
1031.6
739.9
381.9
151.2
0.0

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