

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: P848956

Luminaire Tested: **GLAN-SB5D-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49981 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

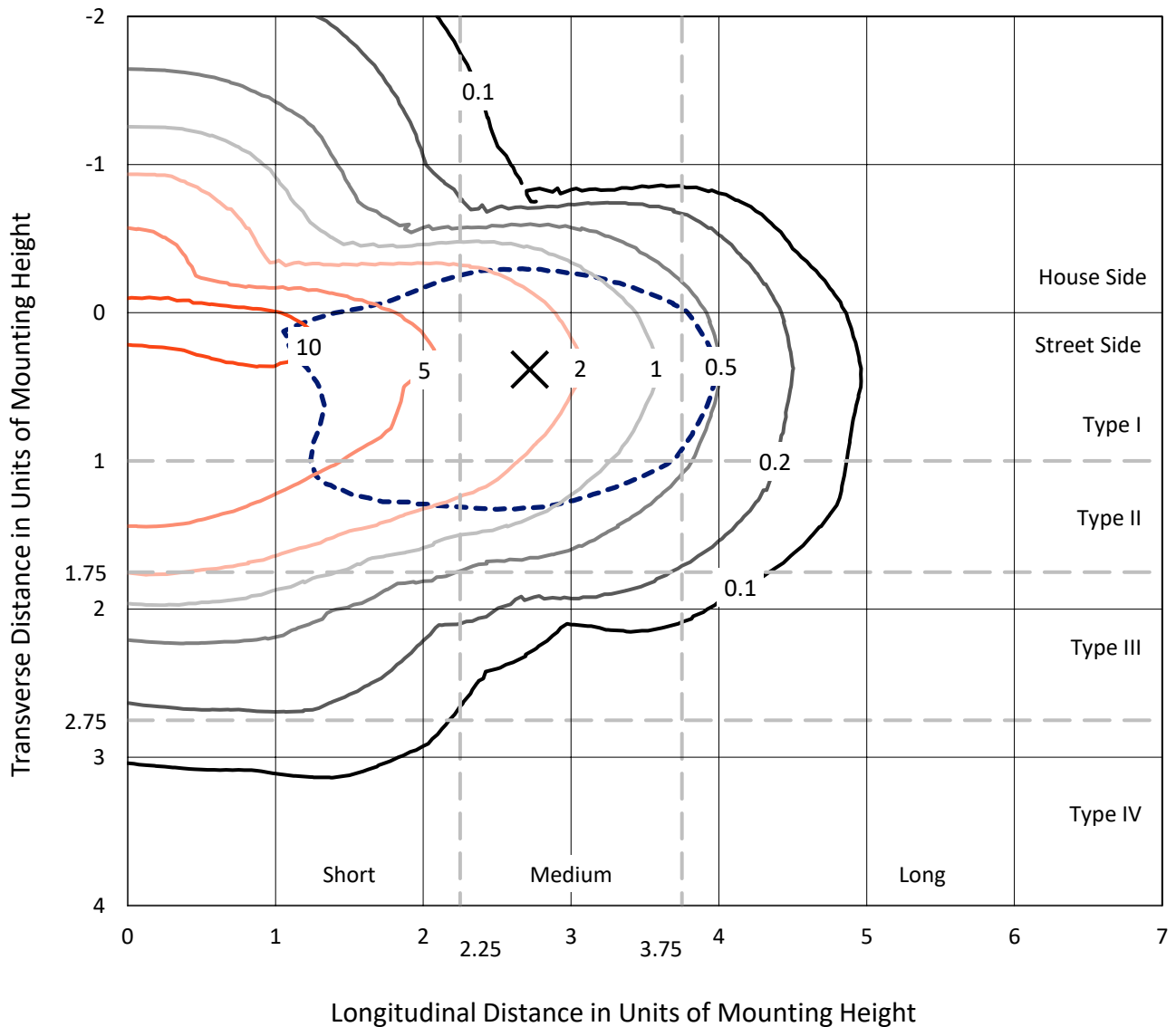
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

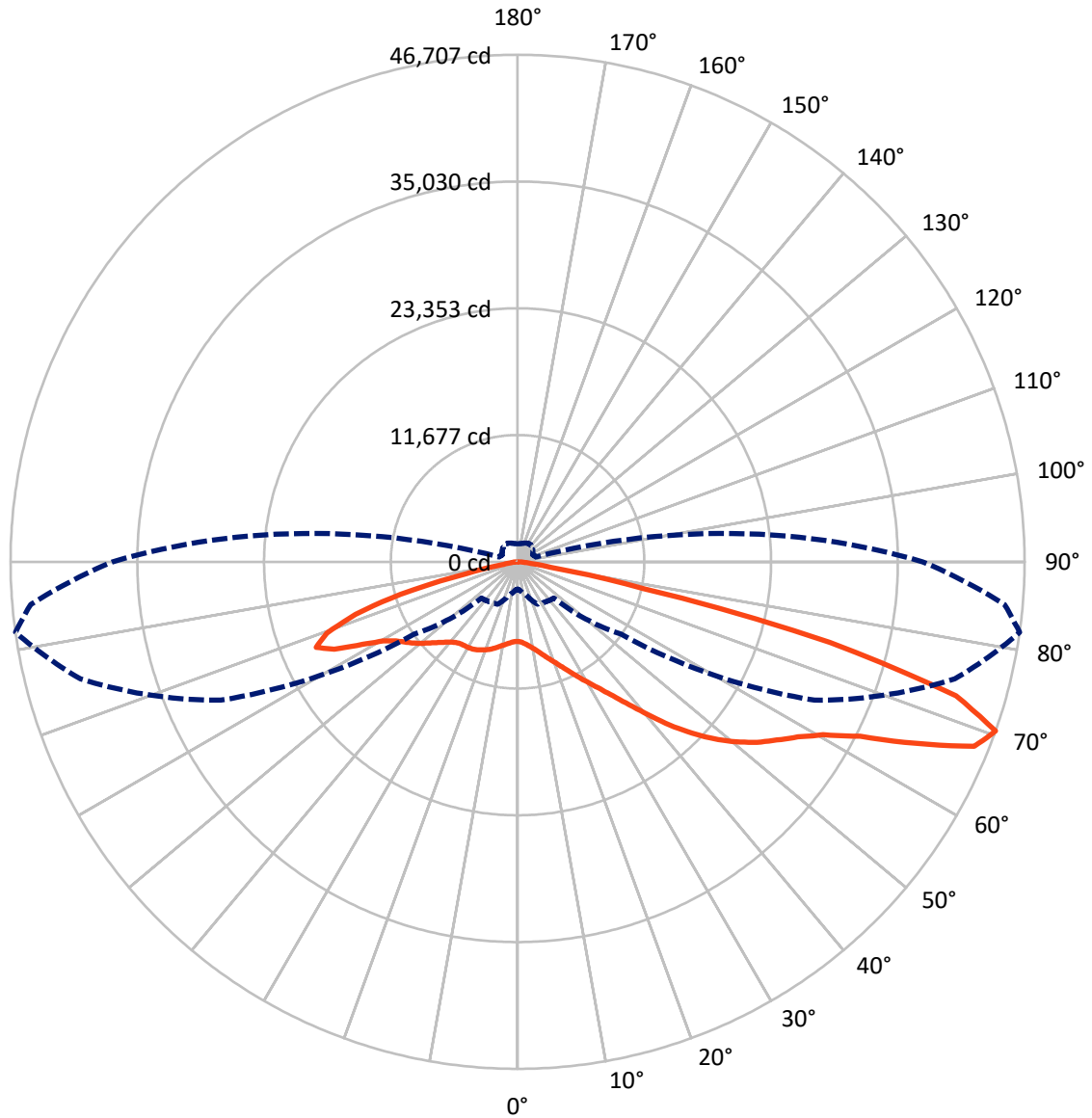
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12321.5	0.0	12321.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	37659.4	0.0	37659.4
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	49981.0	0.0	49981.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	691.9	1.4
10°-20°	1987.8	4.0
20°-30°	3325.4	6.7
30°-40°	5195.1	10.4
40°-50°	8273.8	16.6
50°-60°	11514.1	23.0
60°-70°	12044.2	24.1
70°-80°	6295.0	12.6
80°-90°	653.7	1.3
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°	49981.0	100.0
0°-180°	49981.0	100.0

**Coefficient of Utilization**



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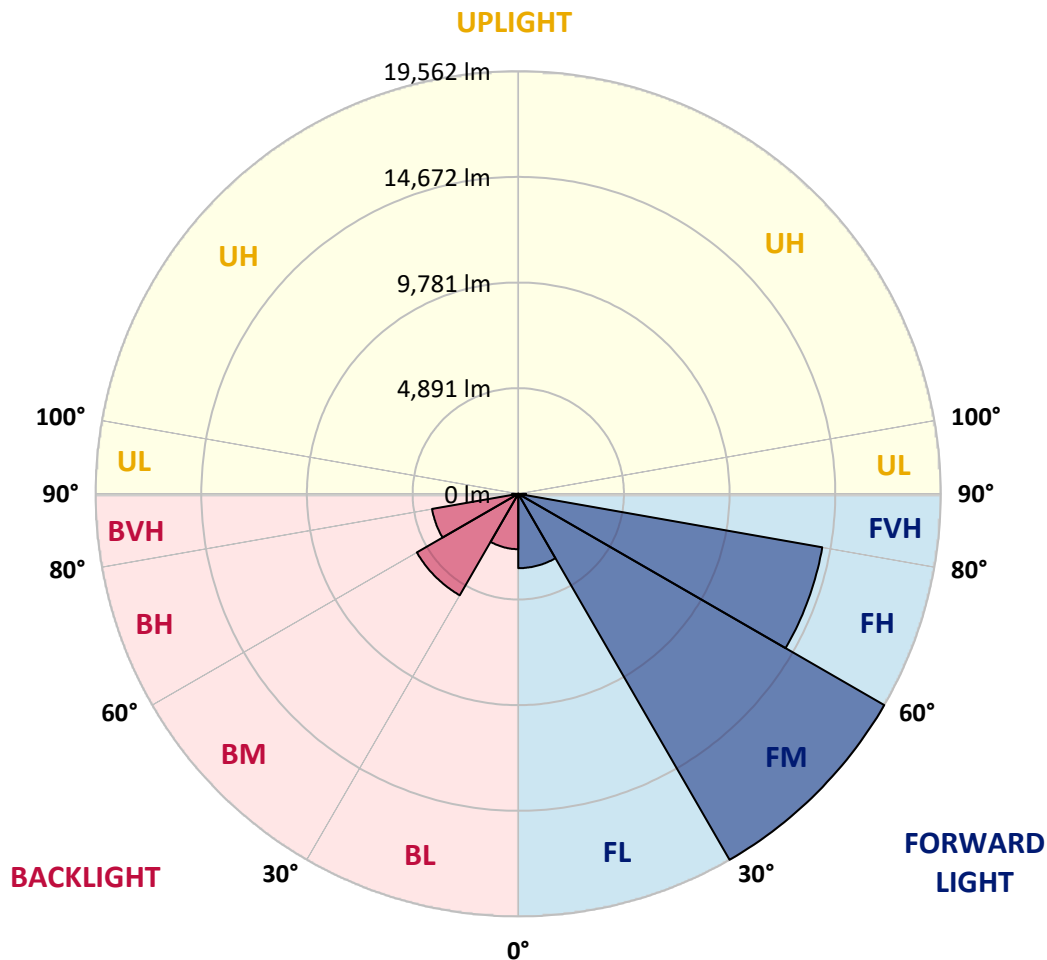
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3441.7	6.9			
FM (30°-60°)	19562.1	39.1			
FH (60°-80°)	14289.7	28.6			G5
FVH (80°-90°)	365.9	0.7			G3/500
BL (0°-30°)	2563.3	5.1	B4/5000		
BM (30°-60°)	5421.0	10.8	B4/8500		
BH (60°-80°)	4049.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	287.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8
2.5°	7502.9	7545.3	7532.1	7518.8	7518.8	7500.2	7497.6	7471.1	7449.8	7415.4
5°	7598.4	7643.4	7638.1	7648.7	7683.2	7691.2	7699.1	7683.2	7640.8	7598.4
7.5°	7513.5	7563.9	7579.8	7643.4	7749.5	7845.0	7916.6	7945.8	7906.0	7845.0
10°	7227.1	7282.8	7338.4	7489.6	7677.9	7903.4	8094.3	8208.3	8200.4	8142.0
12.5°	6646.2	6704.6	6823.9	7118.3	7463.1	7860.9	8216.3	8455.0	8537.2	8494.8
15°	6182.1	6232.5	6322.7	6625.0	7073.2	7677.9	8261.4	8725.5	8935.0	8911.2
17.5°	6168.9	6190.1	6245.8	6389.0	6733.8	7391.5	8213.7	8990.7	9391.2	9388.5
20°	6402.2	6410.2	6442.0	6471.2	6667.5	7174.0	8091.7	9210.9	9903.1	9903.1
22.5°	6725.8	6720.5	6752.3	6725.8	6821.3	7155.5	8014.7	9404.5	10473.3	10515.7
25°	7211.1	7184.6	7176.7	7115.7	7134.2	7327.8	8099.6	9624.6	11149.6	11237.1
27.5°	7858.3	7815.8	7786.7	7646.1	7598.4	7683.2	8359.5	9889.8	11902.8	12053.9
30°	8701.6	8624.7	8582.3	8338.3	8165.9	8179.2	8752.0	10242.5	12690.4	12934.4
32.5°	9852.7	9733.3	9619.3	9218.8	8903.2	8799.8	9258.6	10730.5	13544.4	13934.3
35°	11141.6	11046.1	10924.1	10306.2	9820.8	9582.2	9942.8	11412.1	14544.3	15162.2
37.5°	12382.8	12300.6	12358.9	11526.2	10900.3	10552.8	10839.3	12327.1	15777.5	16689.9
40°	13666.4	13602.8	13610.7	12815.1	12085.8	11695.9	11926.6	13475.5	17191.1	18506.6
42.5°	15061.5	15013.7	14854.6	14149.1	13329.6	12966.3	13178.4	14801.5	18708.1	20575.2
45°	16623.6	16594.4	16445.9	15637.0	14698.1	14289.7	14576.1	16265.5	20233.1	22521.9
47.5°	17973.5	17997.4	17978.8	17297.2	16323.9	15724.5	16066.6	17793.2	21652.0	24351.9
50°	18623.3	18747.9	18930.9	18718.7	18114.1	17504.1	17570.4	19267.7	23004.6	26067.8
52.5°	18283.8	18519.8	19018.4	19357.9	19591.3	19464.0	19286.3	20731.7	24277.6	27616.6
55°	17018.7	17350.2	18177.7	18997.2	20188.0	21113.6	21347.0	22354.8	25518.8	28979.8
57.5°	14714.0	15252.4	15995.0	17652.6	19657.6	21911.9	23749.8	24606.5	26834.3	30435.9
60°	10762.4	11483.7	12406.7	14873.2	17801.1	21484.9	25794.6	28064.9	28704.0	32321.5
62.5°	6887.6	7333.1	8181.8	10505.1	13870.6	19296.9	26420.5	32387.8	31873.3	35413.9
65°	4715.5	5001.9	5779.0	7083.8	8966.9	14363.9	24744.4	35628.7	36907.1	40315.1
67.5°	3426.6	3644.0	4307.1	5450.1	5842.6	8500.1	19201.4	35480.2	41800.2	45364.7
70°	2498.3	2652.1	3209.1	4307.1	4495.4	4728.8	11632.2	30160.0	41694.2	46706.7
72.5°	1851.2	1957.3	2331.2	3341.7	3638.7	3193.2	5757.8	21919.9	35827.6	42245.8
75°	1339.3	1418.9	1694.7	2556.7	2912.0	2432.0	2872.3	12809.8	24991.0	29717.1
77.5°	1023.7	1084.7	1265.1	1872.4	2331.2	1824.7	1782.2	5893.0	11849.7	11908.1
80°	822.2	861.9	960.1	1318.1	1787.5	1365.8	1161.6	2379.0	3744.8	3169.3
82.5°	604.7	671.0	811.6	925.6	1278.3	941.5	708.1	1201.4	1424.2	1225.3
85°	344.8	389.9	490.6	663.0	816.9	575.5	405.8	533.1	663.0	543.7
87.5°	122.0	159.1	172.4	259.9	355.4	238.7	156.5	153.8	217.5	161.8
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°
7327.8	0°	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8	7327.8
7407.4	2.5°	7380.9	7367.6	7314.6	7243.0	7168.7	7097.1	7073.2	7022.8	6988.4	6969.8
7579.8	5°	7529.4	7487.0	7362.3	7203.2	7036.1	6855.8	6728.5	6611.8	6526.9	6447.3
7815.8	7.5°	7741.6	7667.3	7452.5	7174.0	6877.0	6577.3	6354.5	6184.8	6070.7	5996.5
8091.7	10°	7988.2	7874.2	7545.3	7128.9	6670.1	6240.5	5977.9	5832.0	5760.4	5720.6
8407.3	12.5°	8272.0	8110.2	7640.8	7025.5	6354.5	5863.9	5683.5	5641.1	5643.7	5646.4
8805.1	15°	8622.1	8396.6	7717.7	6800.1	5943.4	5574.8	5543.0	5611.9	5683.5	5718.0
9255.9	17.5°	9017.2	8699.0	7731.0	6428.8	5540.3	5389.1	5489.9	5638.4	5747.2	5794.9
9759.8	20°	9441.6	9006.6	7635.5	5903.6	5208.8	5238.0	5418.3	5609.3	5728.6	5789.6
10335.4	22.5°	9926.9	9335.5	7407.4	5352.0	4938.3	5073.5	5285.7	5471.3	5596.0	5657.0
11011.7	25°	10481.2	9704.1	7049.4	4887.9	4704.9	4887.9	5100.0	5253.9	5354.7	5410.3
11767.5	27.5°	11096.5	10088.7	6572.0	4519.2	4500.7	4696.9	4872.0	4991.3	5044.4	5086.8
12571.1	30°	11714.5	10438.8	5993.8	4240.8	4323.0	4508.6	4633.3	4686.3	4702.2	4710.2
13467.5	32.5°	12382.8	10741.1	5386.5	4010.0	4153.2	4325.6	4399.9	4423.8	4349.5	4299.1
14554.9	35°	13191.7	11064.7	4792.4	3827.0	3986.2	4134.7	4158.5	4137.3	4049.8	3946.4
15918.1	37.5°	14191.6	11467.8	4317.7	3697.1	3829.7	3927.8	3898.6	3893.3	3901.3	3779.3
17557.1	40°	15416.8	11992.9	3970.2	3596.3	3702.4	3723.6	3641.4	3686.5	3726.2	3540.6
19355.3	42.5°	16777.4	12626.8	3750.1	3527.3	3596.3	3545.9	3418.6	3469.0	3463.7	3219.7
21161.4	45°	18164.4	13316.4	3673.2	3476.9	3498.2	3397.4	3256.8	3270.1	3158.7	2938.6
22893.2	47.5°	19543.6	14056.3	3720.9	3434.5	3376.2	3262.1	3153.4	3095.0	2930.6	2766.2
24553.4	50°	20896.1	14833.4	3896.0	3349.6	3209.1	3142.8	3063.2	2959.8	2784.7	2644.2
26123.5	52.5°	22150.6	15615.8	4092.2	3209.1	2999.6	3039.3	2989.0	2869.6	2697.2	2554.0
27608.7	55°	23338.8	16398.1	4169.2	3015.5	2803.3	2949.2	2920.0	2699.9	2493.0	2376.3
29162.8	57.5°	24633.0	17339.6	4084.3	2768.8	2644.2	2845.7	2734.3	2490.4	2371.0	2283.5
31186.4	60°	26425.8	18816.9	3901.3	2463.8	2493.0	2691.9	2501.0	2400.2	2270.2	2172.1
34220.5	62.5°	29404.2	21572.4	3606.9	2161.5	2315.3	2463.8	2389.6	2288.8	2156.2	2060.7
39408.0	65°	33806.7	25402.1	3052.6	1925.4	2116.4	2241.1	2270.2	2169.4	2031.5	1930.8
43953.8	67.5°	37519.7	27804.9	2310.0	1729.2	1912.2	2060.7	2142.9	2044.8	1898.9	1800.8
45017.3	70°	37315.5	26059.8	1763.7	1535.6	1731.8	1883.0	1989.1	1912.2	1755.7	1662.9
40890.6	72.5°	33143.7	21800.5	1426.8	1339.3	1548.8	1697.4	1824.7	1766.3	1607.2	1517.0
29955.8	75°	24349.2	15475.2	1140.4	1140.4	1320.8	1503.8	1644.3	1607.2	1461.3	1397.7
12576.4	77.5°	10263.7	6492.4	893.8	946.8	1098.0	1291.6	1466.6	1479.9	1352.6	1432.2
3325.8	80°	2729.0	1790.2	681.6	745.2	861.9	1066.2	1275.7	1270.4	1132.5	1058.2
1235.9	82.5°	1039.6	705.5	485.3	525.1	623.3	816.9	1010.5	1042.3	904.4	782.4
485.3	85°	400.5	302.3	299.7	315.6	363.3	541.0	763.8	790.3	681.6	578.2
135.3	87.5°	103.4	90.2	111.4	106.1	167.1	289.1	437.6	453.5	416.4	241.3
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°
7327.8
6991.0
6479.2
6012.4
5731.3
5651.7
5715.3
5805.5
5805.5
5672.9
5426.3
5102.7
4728.8
4315.0
3951.7
3787.2
3545.9
3217.0
2946.5
2766.2
2633.6
2556.7
2365.7
2275.5
2166.8
2060.7
1936.1
1803.4
1670.8
1517.0
1379.1
1299.5
983.9
782.4
596.7
344.8
0.0

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