

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: P849976

Luminaire Tested: **GLAN-SB7B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849976
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-SB7B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38938 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

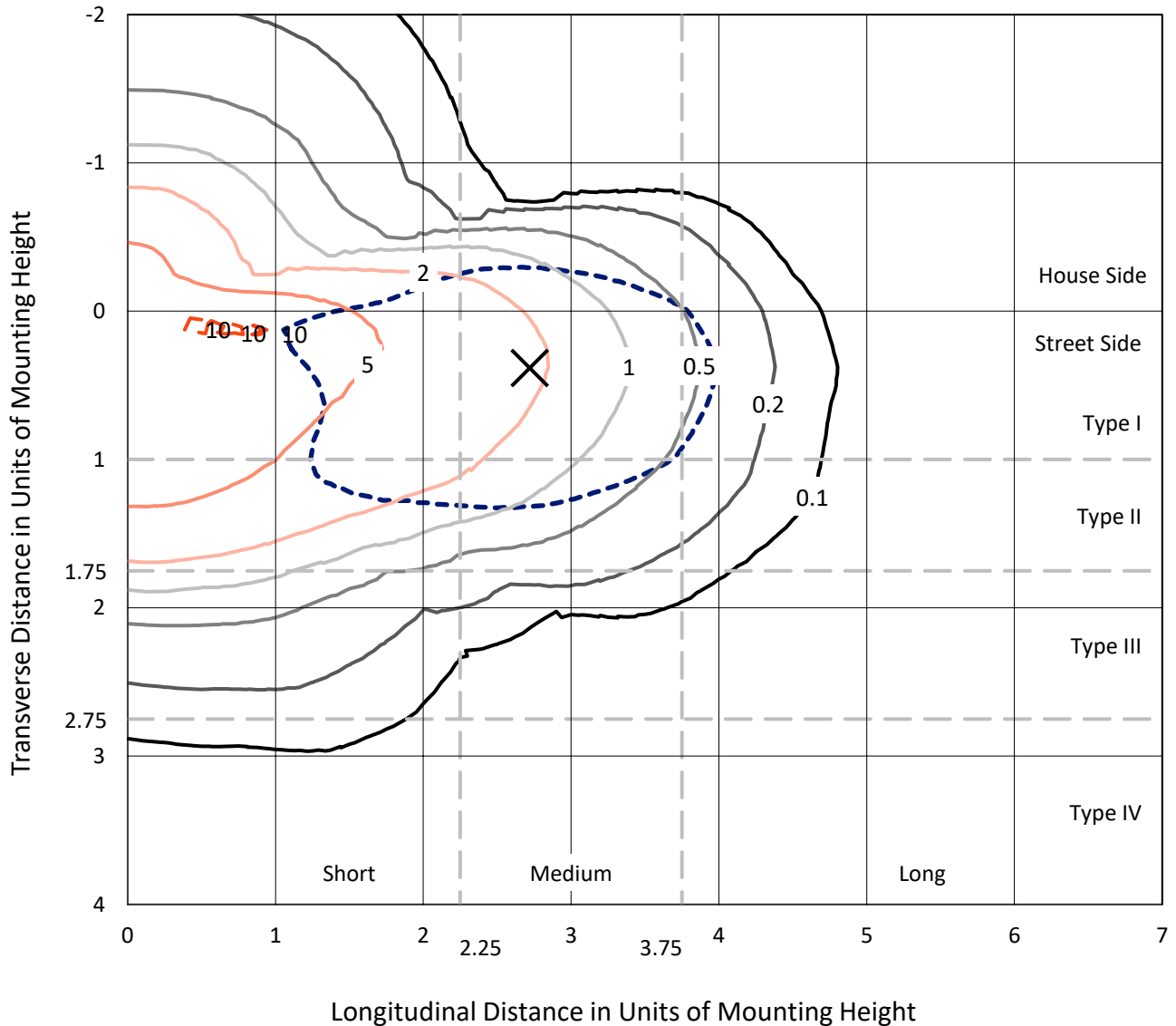
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

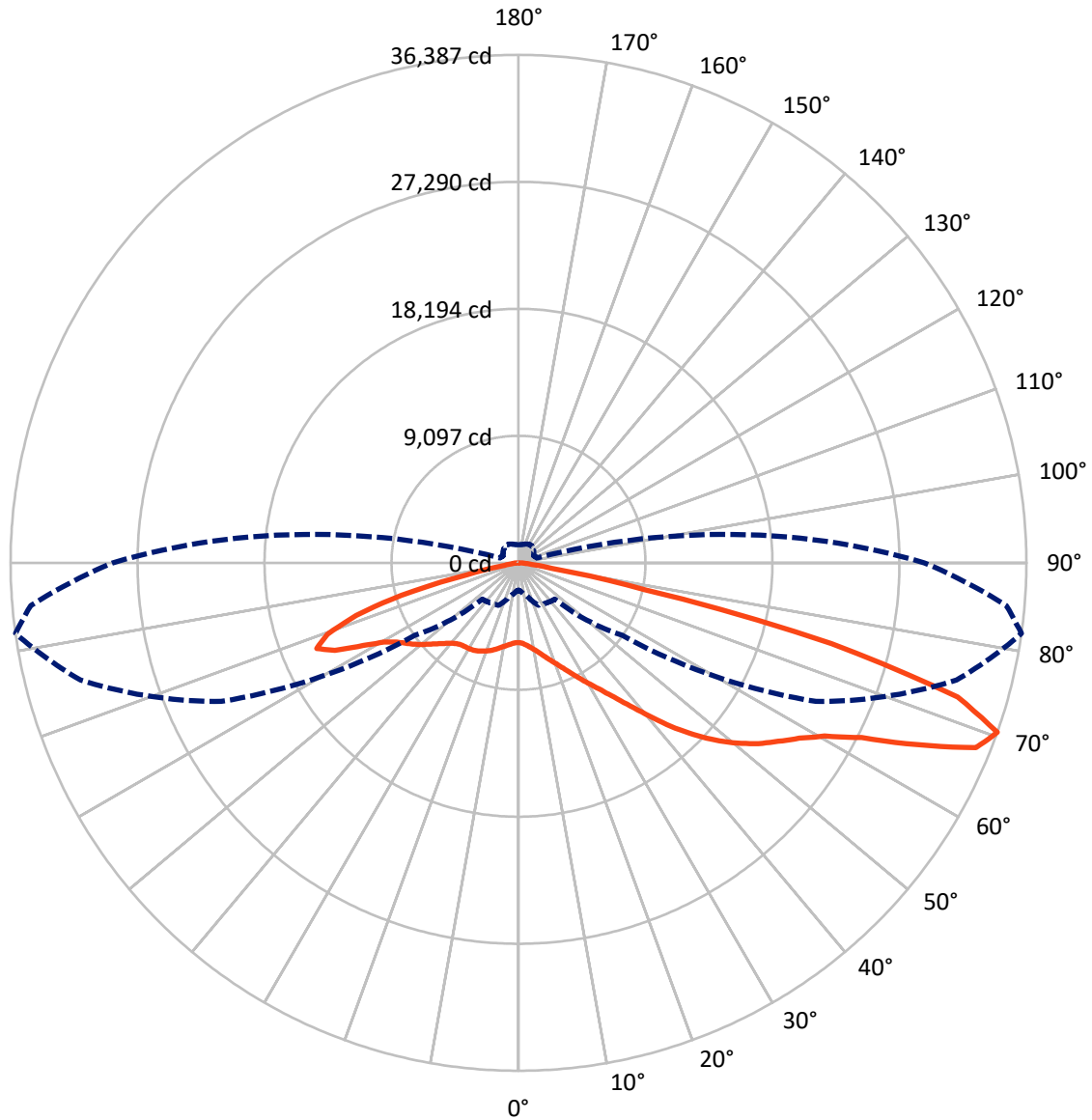
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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
House Side	Lumens	9599.2	0.0	9599.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29338.8	0.0	29338.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	38938.0	0.0	38938.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.0	1.4
10°-20°	1548.6	4.0
20°-30°	2590.7	6.7
30°-40°	4047.3	10.4
40°-50°	6445.8	16.6
50°-60°	8970.1	23.0
60°-70°	9383.1	24.1
70°-80°	4904.1	12.6
80°-90°	509.2	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°	38938.0	100.0
0°-180°	38938.0	100.0

Coefficient of Utilization

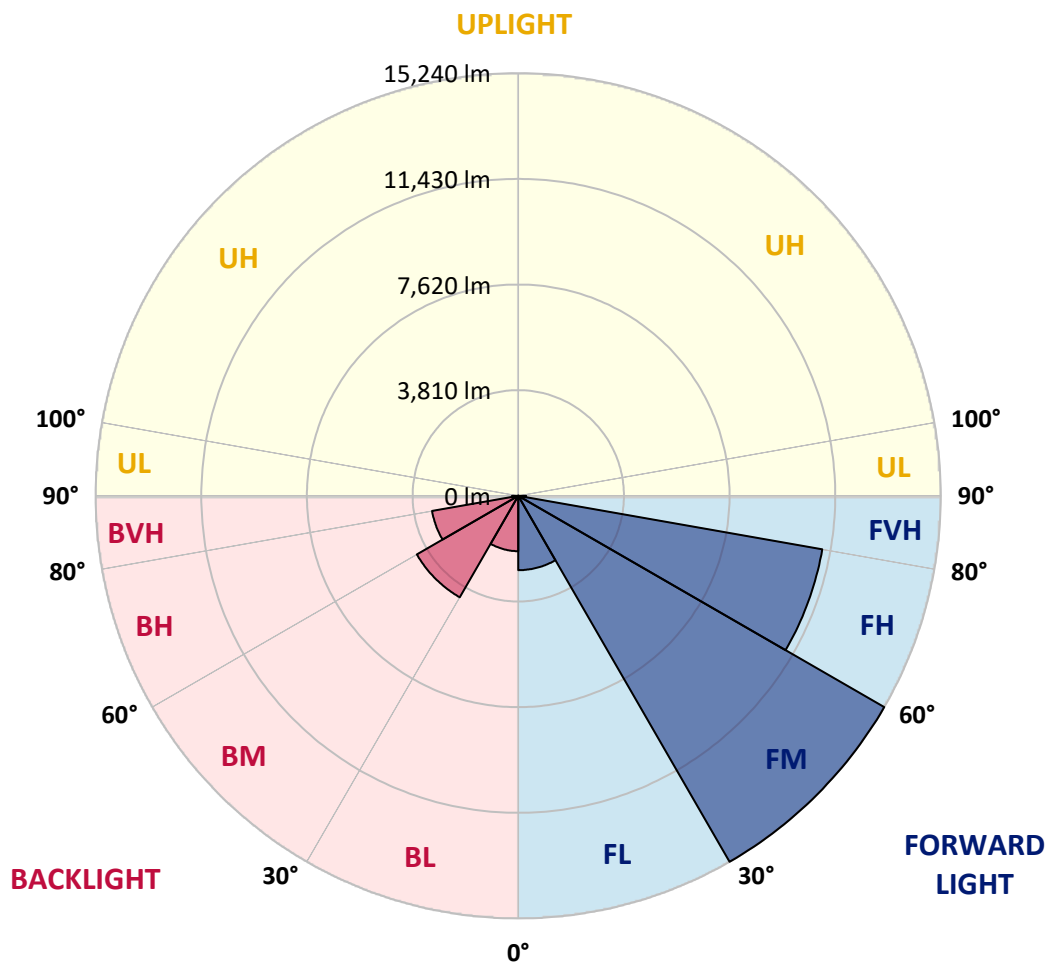


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2681.3	6.9			
FM (30°-60°)	15239.9	39.1			
FH (60°-80°)	11132.5	28.6			G4/12000
FVH (80°-90°)	285.1	0.7			G3/500
BL (0°-30°)	1997.0	5.1	B3/2500		
BM (30°-60°)	4223.3	10.8	B3/5000		
BH (60°-80°)	3154.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	224.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8
2.5°	5845.2	5878.2	5867.9	5857.6	5857.6	5843.1	5841.0	5820.4	5803.8	5777.0
5°	5919.5	5954.7	5950.5	5958.8	5985.7	5991.9	5998.1	5985.7	5952.6	5919.5
7.5°	5853.4	5892.7	5905.1	5954.7	6037.3	6111.7	6167.5	6190.2	6159.2	6111.7
10°	5630.3	5673.7	5717.1	5834.8	5981.5	6157.2	6305.9	6394.8	6388.6	6343.1
12.5°	5177.8	5223.3	5316.2	5545.6	5814.2	6124.1	6401.0	6586.9	6651.0	6617.9
15°	4816.2	4855.5	4925.7	5161.3	5510.4	5981.5	6436.1	6797.7	6960.9	6942.3
17.5°	4805.9	4822.4	4865.8	4977.4	5246.0	5758.4	6398.9	7004.3	7316.3	7314.2
20°	4987.7	4993.9	5018.7	5041.4	5194.3	5589.0	6303.9	7175.8	7715.0	7715.0
22.5°	5239.8	5235.6	5260.4	5239.8	5314.2	5574.5	6243.9	7326.6	8159.3	8192.3
25°	5617.9	5597.2	5591.0	5543.5	5558.0	5708.8	6310.1	7498.1	8686.1	8754.3
27.5°	6122.0	6089.0	6066.2	5956.7	5919.5	5985.7	6512.5	7704.7	9272.9	9390.7
30°	6779.1	6719.1	6686.1	6496.0	6361.7	6372.0	6818.3	7979.5	9886.6	10076.7
32.5°	7675.8	7582.8	7494.0	7182.0	6936.1	6855.5	7213.0	8359.7	10551.9	10855.6
35°	8679.9	8605.6	8510.5	8029.1	7651.0	7465.0	7746.0	8890.7	11330.8	11812.2
37.5°	9646.9	9582.8	9628.3	8979.5	8491.9	8221.2	8444.4	9603.5	12291.6	13002.3
40°	10646.9	10597.3	10603.5	9983.7	9415.5	9111.8	9291.5	10498.2	13392.8	14417.7
42.5°	11733.7	11696.5	11572.6	11023.0	10384.5	10101.5	10266.7	11531.2	14574.7	16029.3
45°	12950.7	12928.0	12812.3	12182.1	11450.7	11132.5	11355.6	12671.8	15762.7	17545.8
47.5°	14002.4	14021.0	14006.5	13475.5	12717.2	12250.3	12516.8	13861.9	16868.1	18971.5
50°	14508.6	14605.7	14748.2	14583.0	14111.9	13636.7	13688.3	15010.6	17921.9	20308.3
52.5°	14244.1	14428.0	14816.4	15080.9	15262.7	15163.5	15025.1	16151.2	18913.6	21514.9
55°	13258.5	13516.8	14161.5	14799.9	15727.6	16448.7	16630.5	17415.7	19880.6	22576.9
57.5°	11463.1	11882.5	12461.0	13752.4	15314.4	17070.6	18502.5	19169.8	20905.4	23711.2
60°	8384.5	8946.5	9665.5	11587.0	13868.1	16738.0	20095.5	21864.1	22362.0	25180.3
62.5°	5365.8	5712.9	6374.1	8184.1	10806.0	15033.4	20583.1	25231.9	24831.1	27589.4
65°	3673.6	3896.8	4502.2	5518.7	6985.7	11190.3	19277.3	27756.8	28752.7	31407.7
67.5°	2669.5	2838.9	3355.4	4246.0	4551.7	6622.0	14959.0	27641.1	32564.7	35341.7
70°	1946.3	2066.2	2500.1	3355.4	3502.1	3684.0	9062.2	23496.4	32482.1	36387.1
72.5°	1442.2	1524.8	1816.2	2603.4	2834.8	2487.7	4485.6	17076.8	27911.7	32911.8
75°	1043.4	1105.4	1320.3	1991.8	2268.6	1894.7	2237.7	9979.5	19469.4	23151.3
77.5°	797.5	845.1	985.6	1458.7	1816.2	1421.5	1388.5	4591.0	9231.6	9277.1
80°	640.5	671.5	747.9	1026.9	1392.6	1064.1	905.0	1853.3	2917.4	2469.1
82.5°	471.1	522.7	632.2	721.1	995.9	733.5	551.7	936.0	1109.5	954.6
85°	268.6	303.7	382.2	516.5	636.4	448.4	316.1	415.3	516.5	423.6
87.5°	95.0	124.0	134.3	202.5	276.9	186.0	121.9	119.8	169.4	126.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849976
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5708.8	0°	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8	5708.8
5770.8	2.5°	5750.1	5739.8	5698.5	5642.7	5584.8	5529.0	5510.4	5471.2	5444.3	5429.9
5905.1	5°	5865.8	5832.8	5735.7	5611.7	5481.5	5341.0	5241.8	5150.9	5084.8	5022.8
6089.0	7.5°	6031.1	5973.3	5805.9	5589.0	5357.6	5124.1	4950.5	4818.3	4729.4	4671.6
6303.9	10°	6223.3	6134.4	5878.2	5553.8	5196.4	4861.7	4657.1	4543.5	4487.7	4456.7
6549.7	12.5°	6444.4	6318.3	5952.6	5473.3	4950.5	4568.3	4427.8	4394.7	4396.8	4398.9
6859.6	15°	6717.1	6541.5	6012.5	5297.6	4630.3	4343.1	4318.3	4372.0	4427.8	4454.6
7210.9	17.5°	7024.9	6777.0	6022.9	5008.4	4316.2	4198.4	4276.9	4392.7	4477.4	4514.6
7603.5	20°	7355.5	7016.7	5948.5	4599.3	4057.9	4080.7	4221.2	4369.9	4462.9	4510.4
8051.8	22.5°	7733.6	7272.9	5770.8	4169.5	3847.2	3952.6	4117.9	4262.5	4359.6	4407.1
8578.7	25°	8165.5	7560.1	5491.9	3807.9	3665.4	3807.9	3973.2	4093.1	4171.6	4215.0
9167.5	27.5°	8644.8	7859.7	5119.9	3520.7	3506.3	3659.2	3795.5	3888.5	3929.8	3962.9
9793.6	30°	9126.2	8132.4	4669.5	3303.8	3367.8	3512.5	3609.6	3650.9	3663.3	3669.5
10492.0	32.5°	9646.9	8367.9	4196.4	3124.0	3235.6	3369.9	3427.8	3446.4	3388.5	3349.2
11339.1	35°	10277.1	8620.0	3733.5	2981.5	3105.4	3221.1	3239.7	3223.2	3155.0	3074.4
12401.1	37.5°	11056.0	8934.1	3363.7	2880.2	2983.5	3060.0	3037.3	3033.1	3039.3	2944.3
13678.0	40°	12010.6	9343.2	3093.0	2801.7	2884.4	2900.9	2836.8	2872.0	2903.0	2758.3
15078.8	42.5°	13070.5	9837.0	2921.5	2748.0	2801.7	2762.5	2663.3	2702.5	2698.4	2508.3
16485.9	45°	14151.1	10374.2	2861.6	2708.7	2725.3	2646.7	2537.2	2547.6	2460.8	2289.3
17835.1	47.5°	15225.5	10950.6	2898.8	2675.7	2630.2	2541.4	2456.7	2411.2	2283.1	2155.0
19128.5	50°	16279.3	11556.0	3035.2	2609.6	2500.1	2448.4	2386.4	2305.8	2169.5	2060.0
20351.7	52.5°	17256.6	12165.5	3188.1	2500.1	2336.8	2367.8	2328.6	2235.6	2101.3	1989.7
21508.7	55°	18182.2	12775.1	3248.0	2349.2	2183.9	2297.6	2274.8	2103.4	1942.2	1851.3
22719.5	57.5°	19190.5	13508.5	3181.9	2157.1	2060.0	2217.0	2130.2	1940.1	1847.1	1779.0
24296.0	60°	20587.2	14659.4	3039.3	1919.5	1942.2	2097.2	1948.4	1869.9	1768.6	1692.2
26659.7	62.5°	22907.5	16806.1	2810.0	1683.9	1803.8	1919.5	1861.6	1783.1	1679.8	1605.4
30701.1	65°	26337.3	19789.7	2378.1	1500.0	1648.8	1745.9	1768.6	1690.1	1582.7	1504.2
34242.5	67.5°	29230.0	21661.6	1799.6	1347.1	1489.7	1605.4	1669.5	1593.0	1479.4	1402.9
35071.0	70°	29070.9	20302.1	1374.0	1196.3	1349.2	1467.0	1549.6	1489.7	1367.8	1295.5
31856.0	72.5°	25820.8	16983.8	1111.6	1043.4	1206.6	1322.3	1421.5	1376.1	1252.1	1181.8
23337.3	75°	18969.4	12056.0	888.4	888.4	1028.9	1171.5	1281.0	1252.1	1138.5	1088.9
9797.7	77.5°	7996.0	5058.0	696.3	737.6	855.4	1006.2	1142.6	1152.9	1053.7	1115.7
2591.0	80°	2126.1	1394.7	531.0	580.6	671.5	830.6	993.8	989.7	882.2	824.4
962.8	82.5°	809.9	549.6	378.1	409.1	485.5	636.4	787.2	812.0	704.6	609.5
378.1	85°	312.0	235.5	233.5	245.9	283.1	421.5	595.1	615.7	531.0	450.4
105.4	87.5°	80.6	70.2	86.8	82.6	130.2	225.2	340.9	353.3	324.4	188.0
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°
5708.8
5446.4
5047.6
4684.0
4465.0
4403.0
4452.6
4522.8
4522.8
4419.5
4227.4
3975.3
3684.0
3361.6
3078.6
2950.5
2762.5
2506.3
2295.5
2155.0
2051.7
1991.8
1843.0
1772.8
1688.1
1605.4
1508.3
1405.0
1301.7
1181.8
1074.4
1012.4
766.5
609.5
464.9
268.6
0.0

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