

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: P849536

Luminaire Tested: **GLAN-SB6C-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849536
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-SB6C-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40018 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

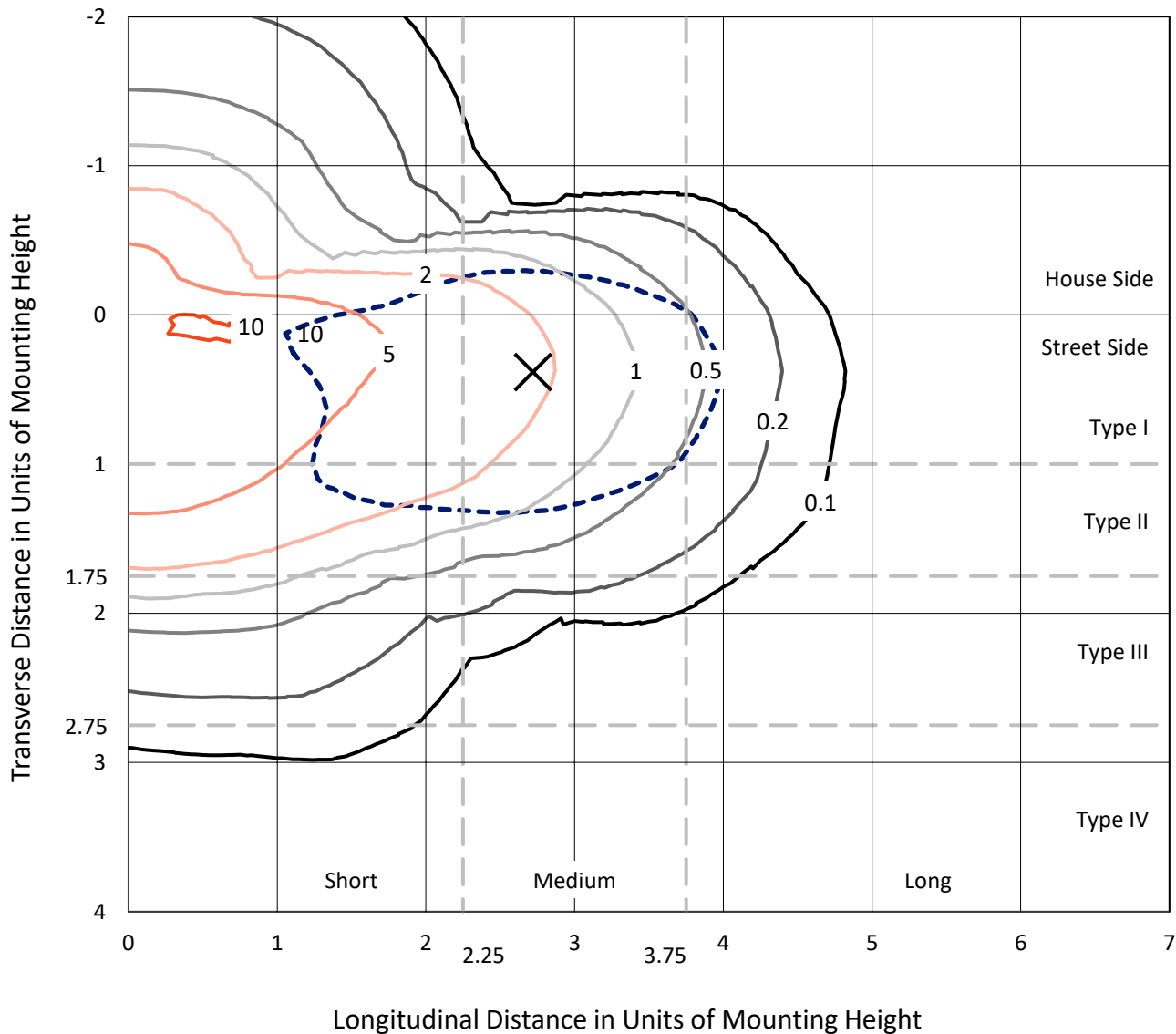
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

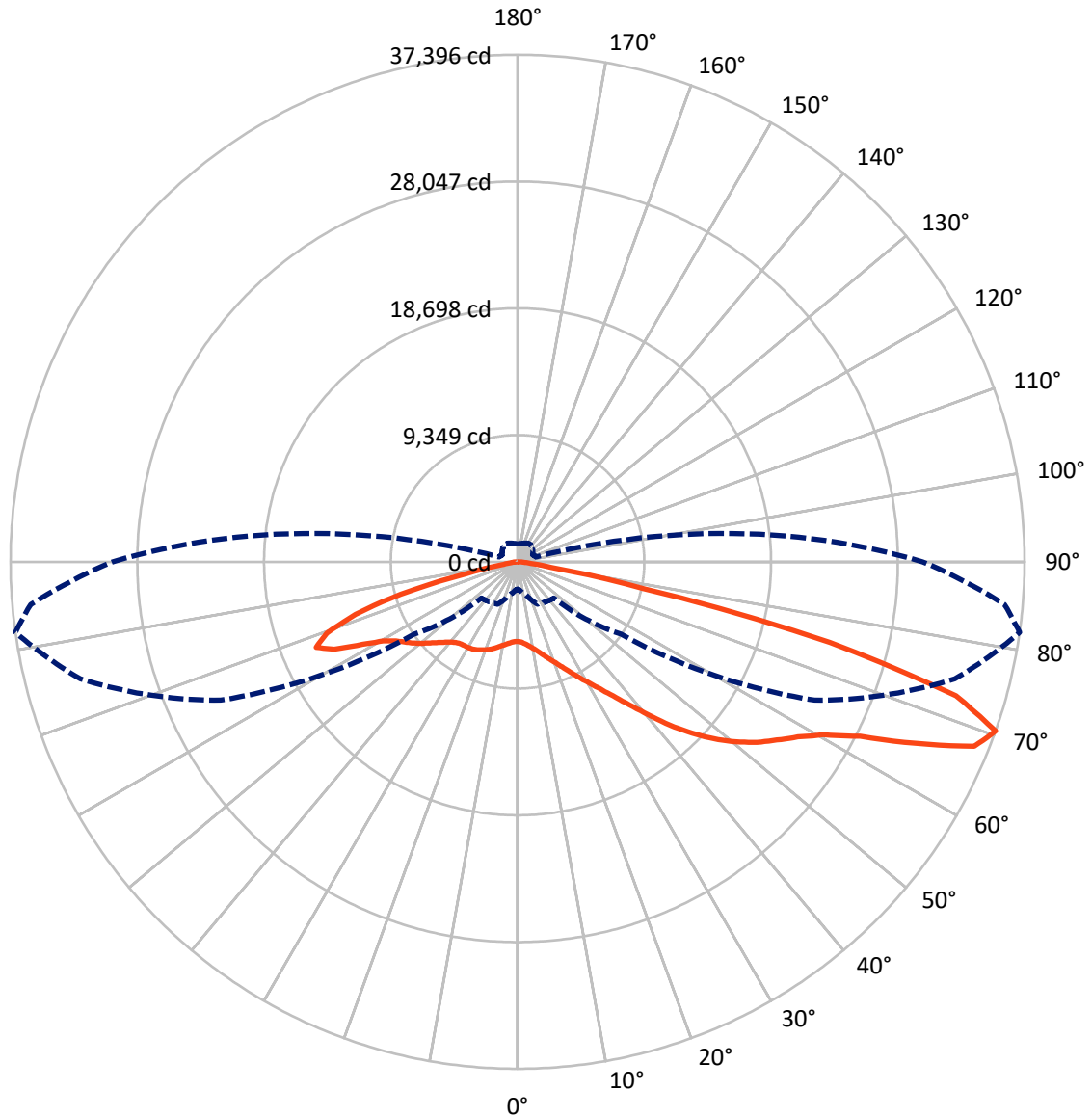
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	9865.4	0.0	9865.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	30152.6	0.0	30152.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	40018.0	0.0	40018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.0	1.4
10°-20°	1591.6	4.0
20°-30°	2662.5	6.7
30°-40°	4159.6	10.4
40°-50°	6624.6	16.6
50°-60°	9218.9	23.0
60°-70°	9643.4	24.1
70°-80°	5040.2	12.6
80°-90°	523.4	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°	40018.0	100.0
0°-180°	40018.0	100.0

Coefficient of Utilization

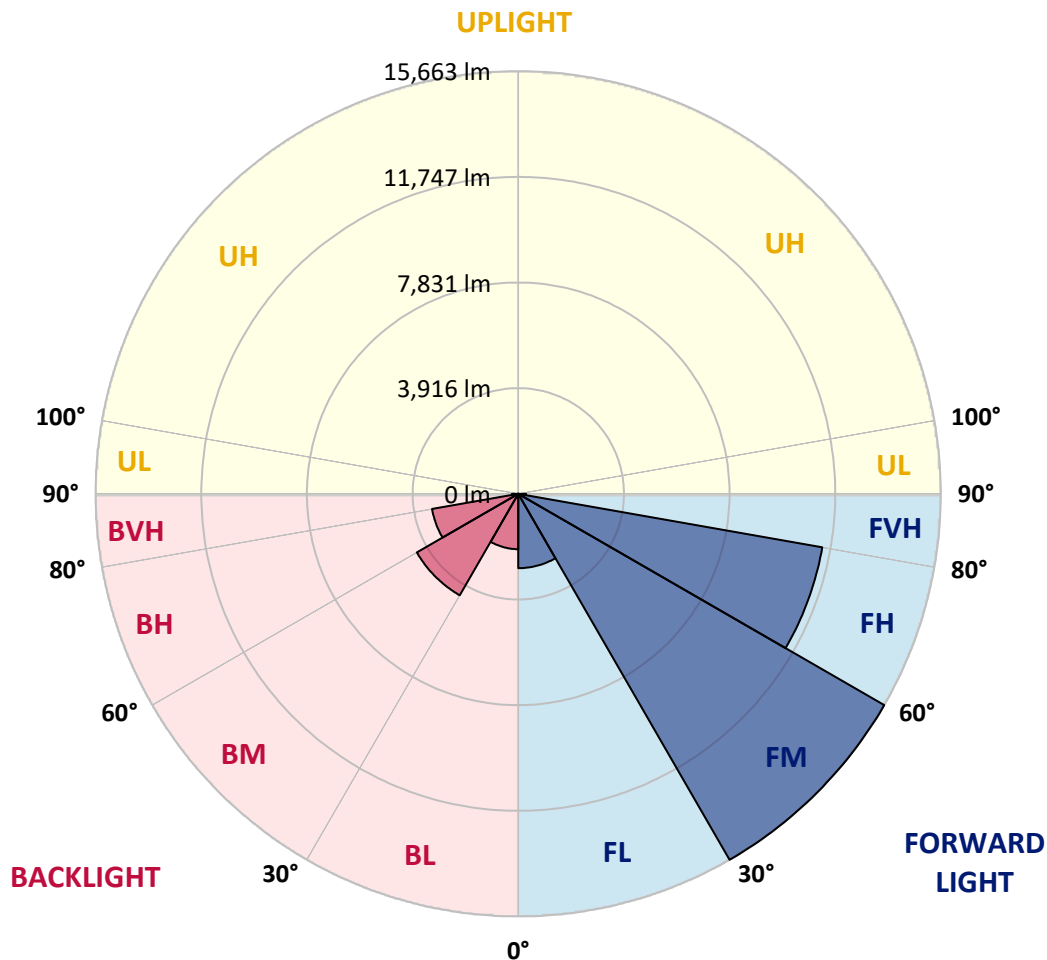


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2755.7	6.9			
FM (30°-60°)	15662.6	39.1			
FH (60°-80°)	11441.3	28.6			G4/12000
FVH (80°-90°)	293.0	0.7			G3/500
BL (0°-30°)	2052.4	5.1	B3/2500		
BM (30°-60°)	4340.4	10.8	B3/5000		
BH (60°-80°)	3242.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	230.4	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1
2.5°	6007.3	6041.3	6030.6	6020.0	6020.0	6005.2	6003.0	5981.8	5964.8	5937.2
5°	6083.7	6119.8	6115.6	6124.1	6151.7	6158.1	6164.4	6151.7	6117.7	6083.7
7.5°	6015.8	6056.1	6068.9	6119.8	6204.8	6281.2	6338.5	6361.9	6330.1	6281.2
10°	5786.4	5831.0	5875.6	5996.7	6147.4	6327.9	6480.8	6572.1	6565.8	6519.0
12.5°	5321.4	5368.1	5463.7	5699.4	5975.4	6294.0	6578.5	6769.6	6835.4	6801.5
15°	4949.8	4990.1	5062.3	5304.4	5663.3	6147.4	6614.6	6986.2	7154.0	7134.8
17.5°	4939.2	4956.2	5000.8	5115.4	5391.5	5918.1	6576.4	7198.6	7519.2	7517.1
20°	5126.0	5132.4	5157.9	5181.3	5338.4	5744.0	6478.7	7374.8	7929.0	7929.0
22.5°	5385.1	5380.9	5406.3	5385.1	5461.6	5729.1	6417.1	7529.8	8385.6	8419.5
25°	5773.7	5752.5	5746.1	5697.3	5712.1	5867.1	6485.1	7706.1	8927.1	8997.1
27.5°	6291.8	6257.9	6234.5	6122.0	6083.7	6151.7	6693.2	7918.4	9530.1	9651.2
30°	6967.1	6905.5	6871.5	6676.2	6538.2	6548.8	7007.4	8200.8	10160.8	10356.1
32.5°	7888.7	7793.1	7701.8	7381.2	7128.5	7045.7	7413.0	8591.5	10844.5	11156.7
35°	8920.7	8844.2	8746.6	8251.8	7863.2	7672.1	7960.9	9137.3	11645.1	12139.9
37.5°	9914.5	9848.6	9895.4	9228.6	8727.4	8449.3	8678.6	9869.9	12632.5	13363.0
40°	10942.2	10891.3	10897.6	10260.6	9676.6	9364.5	9549.2	10789.3	13764.3	14817.6
42.5°	12059.2	12020.9	11893.5	11328.7	10672.5	10381.6	10551.5	11851.1	14978.9	16473.9
45°	13309.9	13286.5	13167.6	12520.0	11768.3	11441.2	11670.6	13023.2	16199.9	18032.5
47.5°	14390.7	14409.8	14395.0	13849.3	13069.9	12590.0	12864.0	14246.3	17336.0	19497.7
50°	14911.0	15010.8	15157.3	14987.4	14503.3	14014.9	14068.0	15427.0	18419.0	20871.6
52.5°	14639.2	14828.2	15227.4	15499.2	15686.1	15584.1	15441.9	16599.1	19438.2	22111.7
55°	13626.3	13891.7	14554.2	15210.4	16163.8	16904.9	17091.8	17898.7	20432.0	23203.1
57.5°	11781.0	12212.1	12806.6	14133.8	15739.1	17544.1	19015.6	19701.5	21485.2	24368.9
60°	8617.0	9194.6	9933.6	11908.4	14252.7	17202.2	20652.8	22470.5	22982.3	25878.7
62.5°	5514.6	5871.4	6550.9	8411.1	11105.7	15450.3	21154.0	25931.8	25519.8	28354.7
65°	3775.5	4004.9	4627.0	5671.8	7179.4	11500.7	19811.9	28526.7	29550.2	32278.8
67.5°	2743.5	2917.6	3448.5	4363.7	4678.0	6805.7	15373.9	28407.7	33468.0	36321.9
70°	2000.3	2123.5	2569.4	3448.5	3599.3	3786.1	9313.5	24148.1	33383.0	37396.4
72.5°	1482.2	1567.1	1866.5	2675.6	2913.4	2556.7	4610.0	17550.5	28685.9	33824.7
75°	1072.4	1136.1	1356.9	2047.0	2331.6	1947.2	2299.7	10256.3	20009.4	23793.4
77.5°	819.7	868.5	1012.9	1499.2	1866.5	1460.9	1427.0	4718.3	9487.7	9534.4
80°	658.3	690.1	768.7	1055.4	1431.2	1093.6	930.1	1904.7	2998.3	2537.5
82.5°	484.2	537.2	649.8	741.1	1023.5	753.8	567.0	961.9	1140.3	981.0
85°	276.1	312.1	392.8	530.9	654.0	460.8	324.9	426.8	530.9	435.3
87.5°	97.7	127.4	138.0	208.1	284.5	191.1	125.3	123.2	174.1	129.5
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°
5867.1	0°	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1	5867.1
5930.8	2.5°	5909.6	5899.0	5856.5	5799.2	5739.7	5682.4	5663.3	5622.9	5595.3	5580.5
6068.9	5°	6028.5	5994.5	5894.7	5767.3	5633.6	5489.2	5387.2	5293.8	5225.9	5162.1
6257.9	7.5°	6198.4	6138.9	5966.9	5744.0	5506.1	5266.2	5087.8	4951.9	4860.6	4801.2
6478.7	10°	6395.9	6304.6	6041.3	5707.9	5340.5	4996.5	4786.3	4669.5	4612.2	4580.3
6731.4	12.5°	6623.1	6493.6	6117.7	5625.1	5087.8	4695.0	4550.6	4516.6	4518.7	4520.9
7049.9	15°	6903.4	6722.9	6179.3	5444.6	4758.7	4463.5	4438.0	4493.3	4550.6	4578.2
7410.9	17.5°	7219.8	6965.0	6189.9	5147.3	4435.9	4314.9	4395.6	4514.5	4601.6	4639.8
7814.4	20°	7559.5	7211.3	6113.5	4726.8	4170.5	4193.8	4338.2	4491.1	4586.7	4635.5
8275.2	22.5°	7948.1	7474.6	5930.8	4285.2	3953.9	4062.2	4232.1	4380.7	4480.5	4529.4
8816.6	25°	8391.9	7769.8	5644.2	3913.5	3767.0	3913.5	4083.4	4206.6	4287.3	4331.9
9421.8	27.5°	8884.6	8077.7	5262.0	3618.4	3603.5	3760.7	3900.8	3996.4	4038.8	4072.8
10065.2	30°	9379.4	8358.0	4799.0	3395.4	3461.3	3609.9	3709.7	3752.2	3764.9	3771.3
10783.0	32.5°	9914.5	8600.0	4312.8	3210.7	3325.3	3463.4	3522.8	3541.9	3482.5	3442.1
11653.6	35°	10562.1	8859.1	3837.1	3064.2	3191.6	3310.5	3329.6	3312.6	3242.5	3159.7
12745.0	37.5°	11362.7	9181.9	3457.0	2960.1	3066.3	3144.9	3121.5	3117.2	3123.6	3025.9
14057.4	40°	12343.7	9602.3	3178.8	2879.4	2964.4	2981.3	2915.5	2951.6	2983.5	2834.8
15497.1	42.5°	13433.1	10109.8	3002.6	2824.2	2879.4	2839.1	2737.1	2777.5	2773.2	2577.9
16943.1	45°	14543.6	10661.9	2941.0	2783.9	2800.9	2720.2	2607.6	2618.2	2529.0	2352.8
18329.8	47.5°	15647.8	11254.4	2979.2	2749.9	2703.2	2611.9	2524.8	2478.1	2346.4	2214.8
19659.1	50°	16730.8	11876.6	3119.4	2681.9	2569.4	2516.3	2452.6	2369.8	2229.6	2117.1
20916.1	52.5°	17735.2	12503.0	3276.5	2569.4	2401.6	2433.5	2393.1	2297.6	2159.6	2044.9
22105.3	55°	18686.5	13129.4	3338.1	2414.4	2244.5	2361.3	2337.9	2161.7	1996.1	1902.6
23349.6	57.5°	19722.8	13883.2	3270.1	2216.9	2117.1	2278.5	2189.3	1993.9	1898.4	1828.3
24969.8	60°	21158.2	15066.0	3123.6	1972.7	1996.1	2155.3	2002.4	1921.7	1817.7	1739.1
27399.1	62.5°	23542.9	17272.3	2887.9	1730.6	1853.8	1972.7	1913.2	1832.6	1726.4	1649.9
31552.6	65°	27067.8	20338.6	2444.1	1541.6	1694.5	1794.3	1817.7	1737.0	1626.6	1545.9
35192.2	67.5°	30040.7	22262.4	1849.5	1384.5	1531.0	1649.9	1715.8	1637.2	1520.4	1441.8
36043.7	70°	29877.2	20865.2	1412.1	1229.5	1386.6	1507.7	1592.6	1531.0	1405.7	1331.4
32739.6	72.5°	26537.0	17454.9	1142.4	1072.4	1240.1	1359.0	1460.9	1414.2	1286.8	1214.6
23984.6	75°	19495.6	12390.4	913.1	913.1	1057.5	1204.0	1316.5	1286.8	1170.0	1119.1
10069.5	77.5°	8217.8	5198.2	715.6	758.1	879.1	1034.1	1174.3	1184.9	1083.0	1146.7
2662.8	80°	2185.0	1433.3	545.7	596.7	690.1	853.6	1021.4	1017.1	906.7	847.3
989.5	82.5°	832.4	564.8	388.6	420.4	499.0	654.0	809.0	834.5	724.1	626.4
388.6	85°	320.6	242.1	240.0	252.7	290.9	433.2	611.6	632.8	545.7	462.9
108.3	87.5°	82.8	72.2	89.2	84.9	133.8	231.5	350.4	363.1	333.4	193.2
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°
5867.1
5597.5
5187.6
4813.9
4588.8
4525.1
4576.1
4648.3
4648.3
4542.1
4344.6
4085.6
3786.1
3454.9
3164.0
3032.3
2839.1
2575.8
2359.2
2214.8
2108.6
2047.0
1894.1
1821.9
1734.9
1649.9
1550.1
1444.0
1337.8
1214.6
1104.2
1040.5
787.8
626.4
477.8
276.1
0.0

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