

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: P850726

Luminaire Tested: **GLAN-SB8B-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850726
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-SB8B-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40123 lumens
Efficiency: N/A
Efficacy: 137.0 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

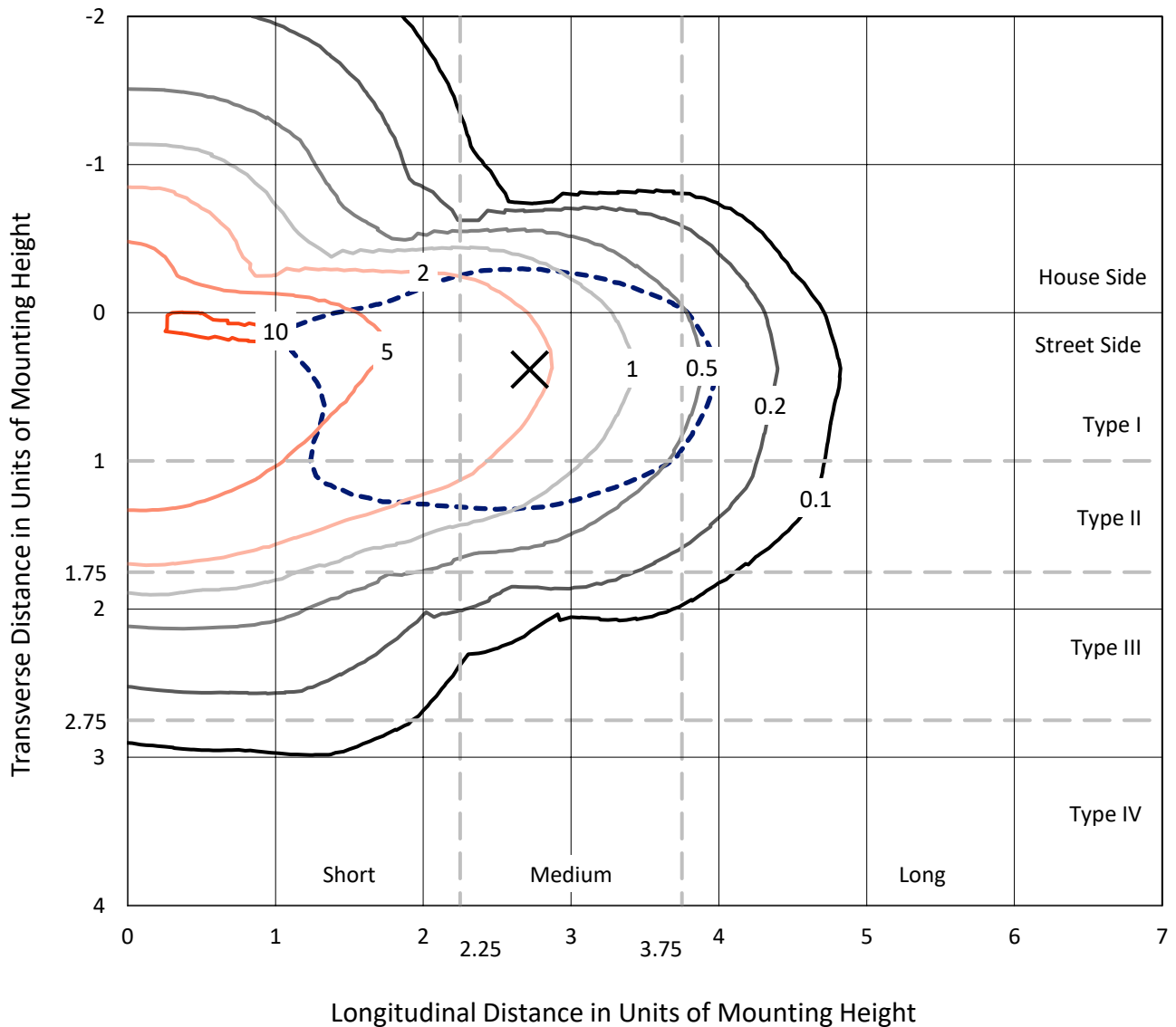
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850726
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Iso-Footcandle Lines of Horizontal Illumination

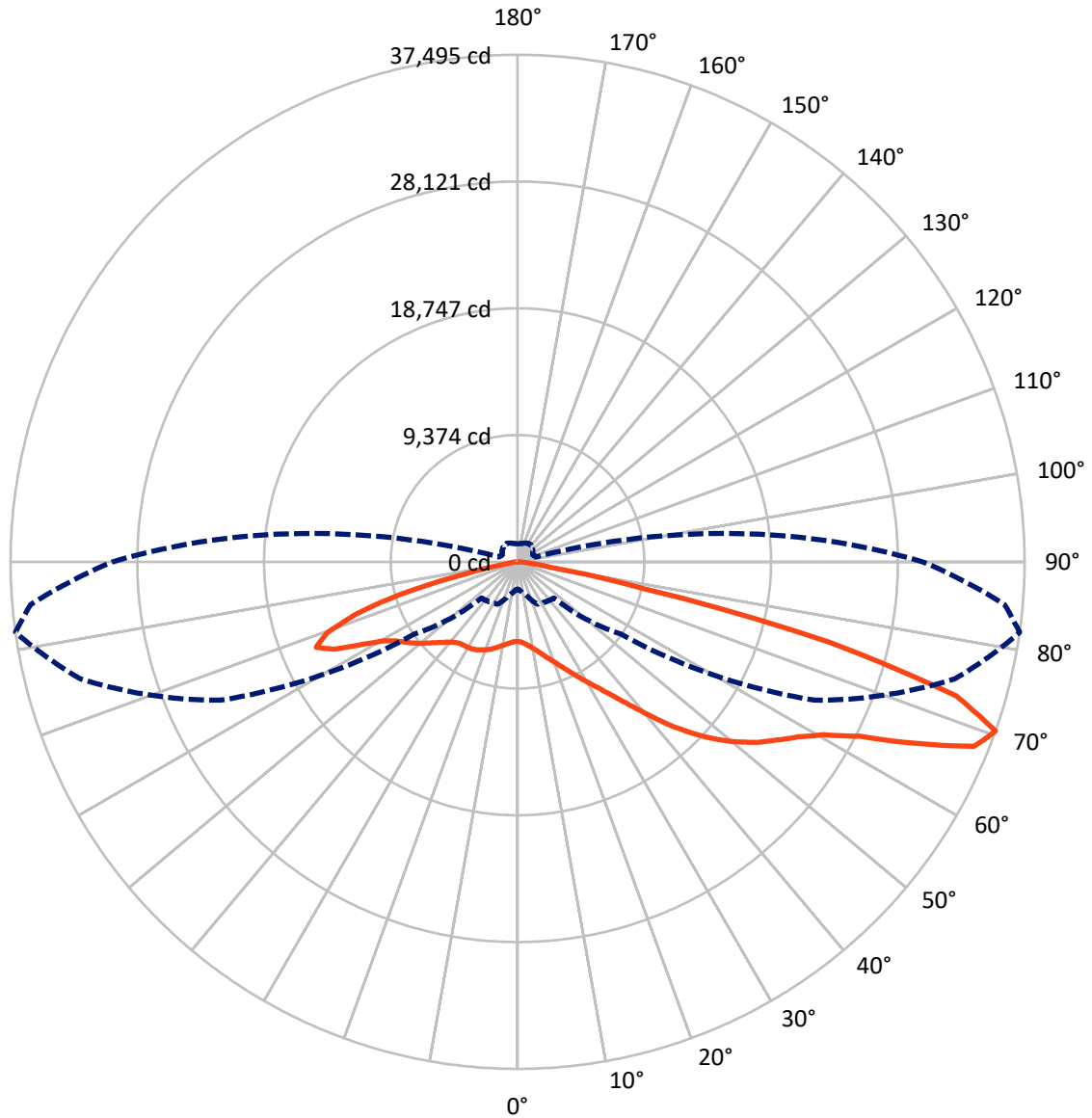
✕ Max cd
 - - - 1/2 Max cd



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	9891.3	0.0	9891.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	30231.7	0.0	30231.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	40123.0	0.0	40123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.4	1.4
10°-20°	1595.7	4.0
20°-30°	2669.5	6.7
30°-40°	4170.5	10.4
40°-50°	6642.0	16.6
50°-60°	9243.1	23.0
60°-70°	9668.7	24.1
70°-80°	5053.4	12.6
80°-90°	524.7	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°	40123.0	100.0
0°-180°	40123.0	100.0

Coefficient of Utilization



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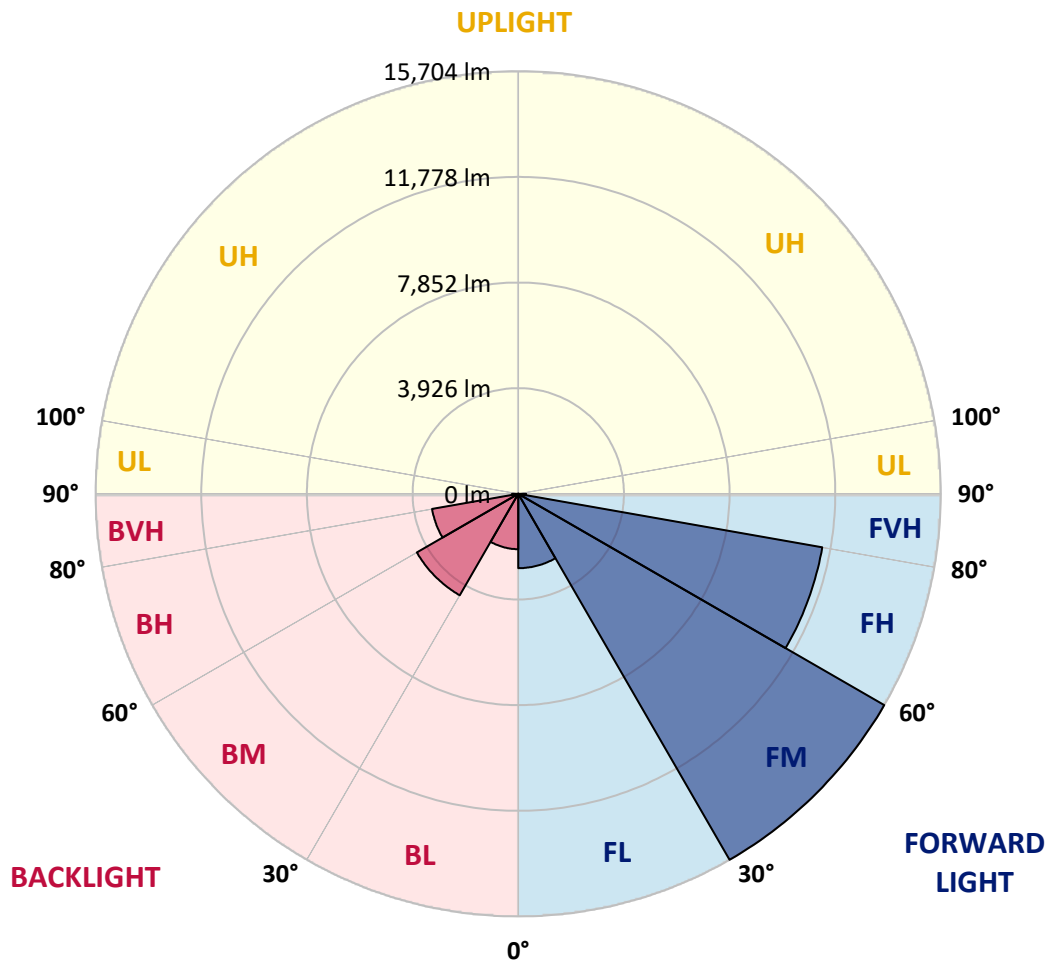
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2762.9	6.9			
FM (30°-60°)	15703.7	39.1			
FH (60°-80°)	11471.3	28.6			G4/12000
FVH (80°-90°)	293.8	0.7			G3/500
BL (0°-30°)	2057.8	5.1	B3/2500		
BM (30°-60°)	4351.8	10.8	B3/5000		
BH (60°-80°)	3250.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	231.0	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



REPORT NUMBER: P850726

CATALOG NUMBER: GLAN-SB8B-840-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5
2.5°	6023.1	6057.1	6046.5	6035.8	6035.8	6020.9	6018.8	5997.5	5980.5	5952.8
5°	6099.7	6135.9	6131.6	6140.1	6167.8	6174.2	6180.6	6167.8	6133.8	6099.7
7.5°	6031.6	6072.0	6084.8	6135.9	6221.1	6297.7	6355.2	6378.6	6346.7	6297.7
10°	5801.6	5846.3	5891.0	6012.4	6163.6	6344.5	6497.8	6589.4	6583.0	6536.1
12.5°	5335.4	5382.2	5478.0	5714.3	5991.1	6310.5	6595.8	6787.4	6853.4	6819.3
15°	4962.8	5003.2	5075.6	5318.3	5678.1	6163.6	6632.0	7004.5	7172.7	7153.6
17.5°	4952.1	4969.2	5013.9	5128.9	5405.6	5933.6	6593.6	7217.4	7538.9	7536.8
20°	5139.5	5145.9	5171.4	5194.9	5352.4	5759.0	6495.7	7394.2	7949.8	7949.8
22.5°	5399.2	5395.0	5420.5	5399.2	5475.9	5744.1	6434.0	7549.6	8407.6	8441.6
25°	5788.9	5767.6	5761.2	5712.2	5727.1	5882.5	6502.1	7726.3	8950.5	9020.7
27.5°	6308.3	6274.3	6250.9	6138.0	6099.7	6167.8	6710.7	7939.2	9555.1	9676.5
30°	6985.4	6923.6	6889.6	6693.7	6555.3	6566.0	7025.8	8222.3	10187.4	10383.3
32.5°	7909.4	7813.6	7722.0	7400.5	7147.2	7064.1	7432.5	8614.1	10873.0	11186.0
35°	8944.1	8867.4	8769.5	8273.4	7883.8	7692.2	7981.8	9161.3	11675.6	12171.7
37.5°	9940.5	9874.5	9921.3	9252.8	8750.3	8471.4	8701.4	9895.8	12665.7	13398.0
40°	10970.9	10919.8	10926.2	10287.5	9702.0	9389.1	9574.3	10817.6	13800.4	14856.4
42.5°	12090.8	12052.5	11924.7	11358.4	10700.5	10408.9	10579.2	11882.2	15018.2	16517.1
45°	13344.8	13321.4	13202.2	12552.8	11799.1	11471.3	11701.2	13057.4	16242.4	18079.8
47.5°	14428.5	14447.7	14432.8	13885.6	13104.2	12623.1	12897.7	14283.7	17381.5	19548.8
50°	14950.1	15050.2	15197.1	15026.8	14541.3	14051.7	14104.9	15467.5	18467.3	20926.3
52.5°	14677.6	14867.1	15267.3	15539.9	15727.2	15625.0	15482.4	16642.7	19489.2	22169.7
55°	13662.0	13928.2	14592.4	15250.3	16206.2	16949.3	17136.6	17945.7	20485.6	23264.0
57.5°	11811.9	12244.1	12840.2	14170.9	15780.4	17590.1	19065.5	19753.2	21541.6	24432.8
60°	8639.6	9218.7	9959.6	11939.6	14290.1	17247.3	20707.0	22529.5	23042.6	25946.6
62.5°	5529.1	5886.8	6568.1	8433.1	11134.9	15490.9	21209.5	25999.8	25586.8	28429.1
65°	3785.4	4015.4	4639.2	5686.7	7198.3	11530.9	19863.9	28601.5	29627.7	32363.5
67.5°	2750.7	2925.3	3457.6	4375.2	4690.3	6823.6	15414.2	28482.3	33555.8	36417.2
70°	2005.6	2129.0	2576.1	3457.6	3608.7	3796.1	9338.0	24211.4	33470.6	37494.5
72.5°	1486.1	1571.2	1871.4	2682.6	2921.0	2563.4	4622.1	17596.5	28761.2	33913.5
75°	1075.2	1139.0	1360.5	2052.4	2337.7	1952.3	2305.7	10283.3	20061.9	23855.9
77.5°	821.8	870.8	1015.6	1503.1	1871.4	1464.8	1430.7	4730.7	9512.5	9559.4
80°	660.0	691.9	770.7	1058.1	1435.0	1096.5	932.5	1909.7	3006.2	2544.2
82.5°	485.4	538.6	651.5	743.0	1026.2	755.8	568.5	964.5	1143.3	983.6
85°	276.8	313.0	393.9	532.3	655.7	462.0	325.7	427.9	532.3	436.5
87.5°	97.9	127.7	138.4	208.6	285.3	191.6	125.6	123.5	174.6	129.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850726
 CATALOG NUMBER: GLAN-SB8B-840-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5882.5	0°	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5	5882.5
5946.4	2.5°	5925.1	5914.5	5871.9	5814.4	5754.8	5697.3	5678.1	5637.7	5610.0	5595.1
6084.8	5°	6044.3	6010.3	5910.2	5782.5	5648.3	5503.6	5401.4	5307.7	5239.6	5175.7
6274.3	7.5°	6214.7	6155.1	5982.6	5759.0	5520.6	5280.0	5101.2	4964.9	4873.4	4813.8
6495.7	10°	6412.7	6321.1	6057.1	5722.9	5354.5	5009.6	4798.9	4681.8	4624.3	4592.3
6749.1	12.5°	6640.5	6510.6	6133.8	5639.8	5101.2	4707.3	4562.5	4528.5	4530.6	4532.7
7068.4	15°	6921.5	6740.5	6195.5	5458.9	4771.2	4475.2	4449.7	4505.0	4562.5	4590.2
7430.3	17.5°	7238.7	6983.2	6206.1	5160.8	4447.6	4326.2	4407.1	4526.3	4613.6	4651.9
7834.9	20°	7579.4	7230.2	6129.5	4739.2	4181.4	4204.9	4349.6	4502.9	4598.7	4647.7
8296.9	22.5°	7969.0	7494.2	5946.4	4296.4	3964.3	4072.9	4243.2	4392.2	4492.3	4541.2
8839.8	25°	8414.0	7790.2	5659.0	3923.8	3776.9	3923.8	4094.1	4217.6	4298.5	4343.2
9446.5	27.5°	8907.9	8098.9	5275.8	3627.9	3613.0	3770.5	3911.0	4006.9	4049.4	4083.5
10091.6	30°	9404.0	8379.9	4811.6	3404.3	3470.3	3619.4	3719.4	3762.0	3774.8	3781.2
10811.3	32.5°	9940.5	8622.6	4324.1	3219.1	3334.1	3472.5	3532.1	3551.2	3491.6	3451.2
11684.2	35°	10589.8	8882.3	3847.2	3072.2	3199.9	3319.2	3338.3	3321.3	3251.0	3168.0
12778.5	37.5°	11392.5	9206.0	3466.1	2967.9	3074.3	3153.1	3129.7	3125.4	3131.8	3033.9
14094.2	40°	12376.1	9627.5	3187.2	2887.0	2972.1	2989.2	2923.2	2959.4	2991.3	2842.3
15537.7	42.5°	13468.3	10136.4	3010.5	2831.6	2887.0	2846.5	2744.3	2784.8	2780.5	2584.7
16987.6	45°	14581.8	10689.9	2948.7	2791.2	2808.2	2727.3	2614.5	2625.1	2535.7	2359.0
18377.9	47.5°	15688.9	11283.9	2987.0	2757.1	2710.3	2618.7	2531.4	2484.6	2352.6	2220.6
19710.6	50°	16774.7	11907.7	3127.6	2689.0	2576.1	2522.9	2459.0	2376.0	2235.5	2122.7
20971.0	52.5°	17781.7	12535.8	3285.1	2576.1	2407.9	2439.9	2399.4	2303.6	2165.2	2050.3
22163.3	55°	18735.5	13163.8	3346.8	2420.7	2250.4	2367.5	2344.1	2167.4	2001.3	1907.6
23410.9	57.5°	19774.5	13919.7	3278.7	2222.7	2122.7	2284.5	2195.0	1999.2	1903.4	1833.1
25035.4	60°	21213.7	15105.5	3131.8	1977.9	2001.3	2161.0	2007.7	1926.8	1822.5	1743.7
27471.0	62.5°	23604.7	17317.6	2895.5	1735.2	1858.7	1977.9	1918.3	1837.4	1730.9	1654.3
31635.4	65°	27138.9	20391.9	2450.5	1545.7	1699.0	1799.0	1822.5	1741.6	1630.8	1549.9
35284.6	67.5°	30119.5	22320.8	1854.4	1388.1	1535.0	1654.3	1720.3	1641.5	1524.4	1445.6
36138.3	70°	29955.6	20919.9	1415.8	1232.7	1390.3	1511.6	1596.8	1535.0	1409.4	1334.9
32825.5	72.5°	26606.6	17500.7	1145.4	1075.2	1243.4	1362.6	1464.8	1417.9	1290.2	1217.8
24047.5	75°	19546.7	12422.9	915.5	915.5	1060.3	1207.2	1320.0	1290.2	1173.1	1122.0
10095.9	77.5°	8239.4	5211.9	717.5	760.1	881.4	1036.8	1177.4	1188.0	1085.8	1149.7
2669.8	80°	2190.8	1437.1	547.2	598.3	691.9	855.9	1024.1	1019.8	909.1	849.5
992.1	82.5°	834.6	566.3	389.6	421.5	500.3	655.7	811.2	836.7	726.0	628.1
389.6	85°	321.5	242.7	240.6	253.4	291.7	434.3	613.2	634.5	547.2	464.1
108.6	87.5°	83.0	72.4	89.4	85.2	134.1	232.1	351.3	364.1	334.3	193.7
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°
5882.5
5612.1
5201.2
4826.5
4600.9
4537.0
4588.1
4660.5
4660.5
4554.0
4356.0
4096.3
3796.1
3463.9
3172.3
3040.3
2846.5
2582.5
2365.4
2220.6
2114.1
2052.4
1899.1
1826.7
1739.4
1654.3
1554.2
1447.7
1341.3
1217.8
1107.1
1043.2
789.9
628.1
479.0
276.8
0.0

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