

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: P851066

Luminaire Tested: **GLAN-SB8D-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851066
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-SB8D-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 72507 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

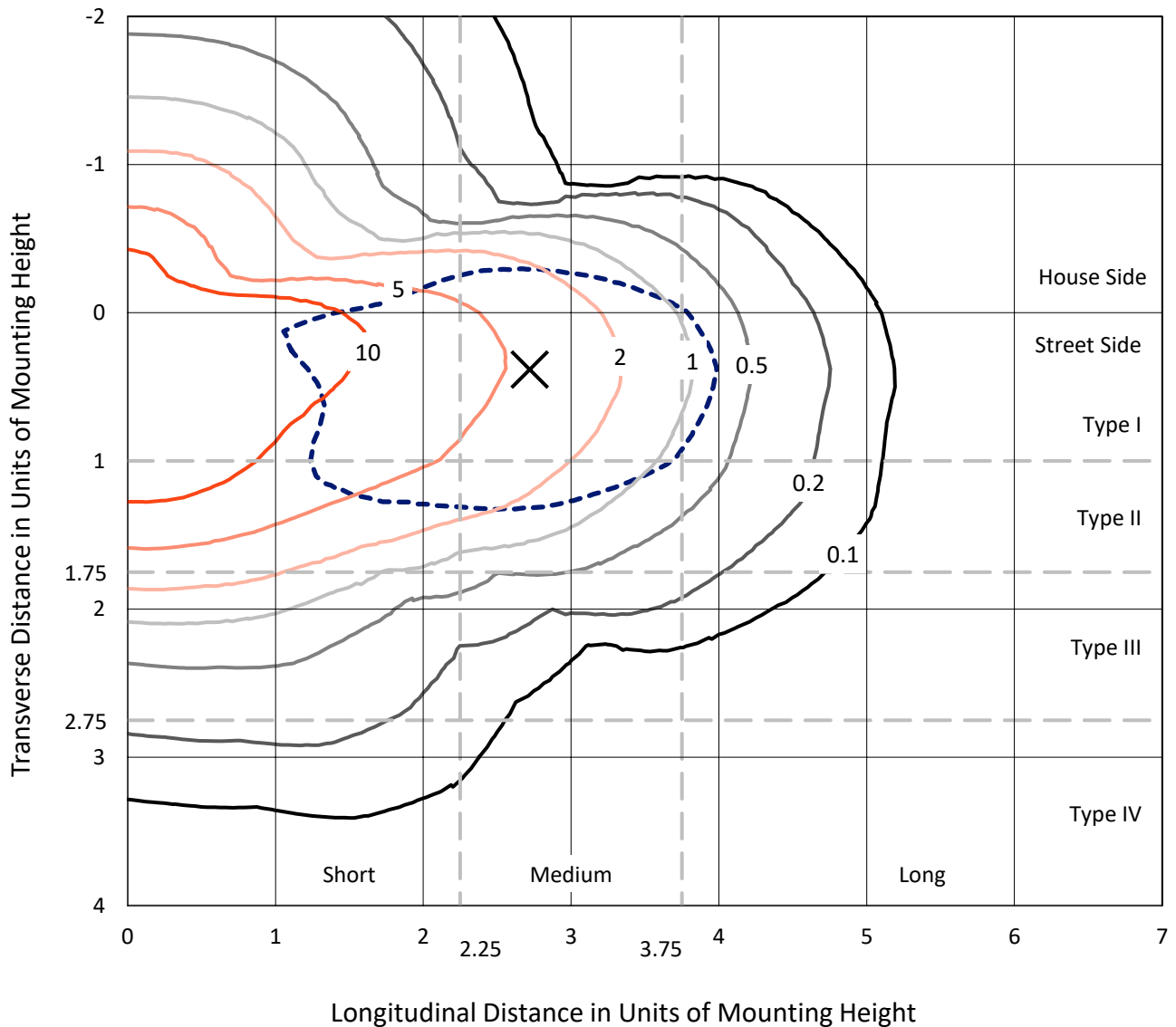
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

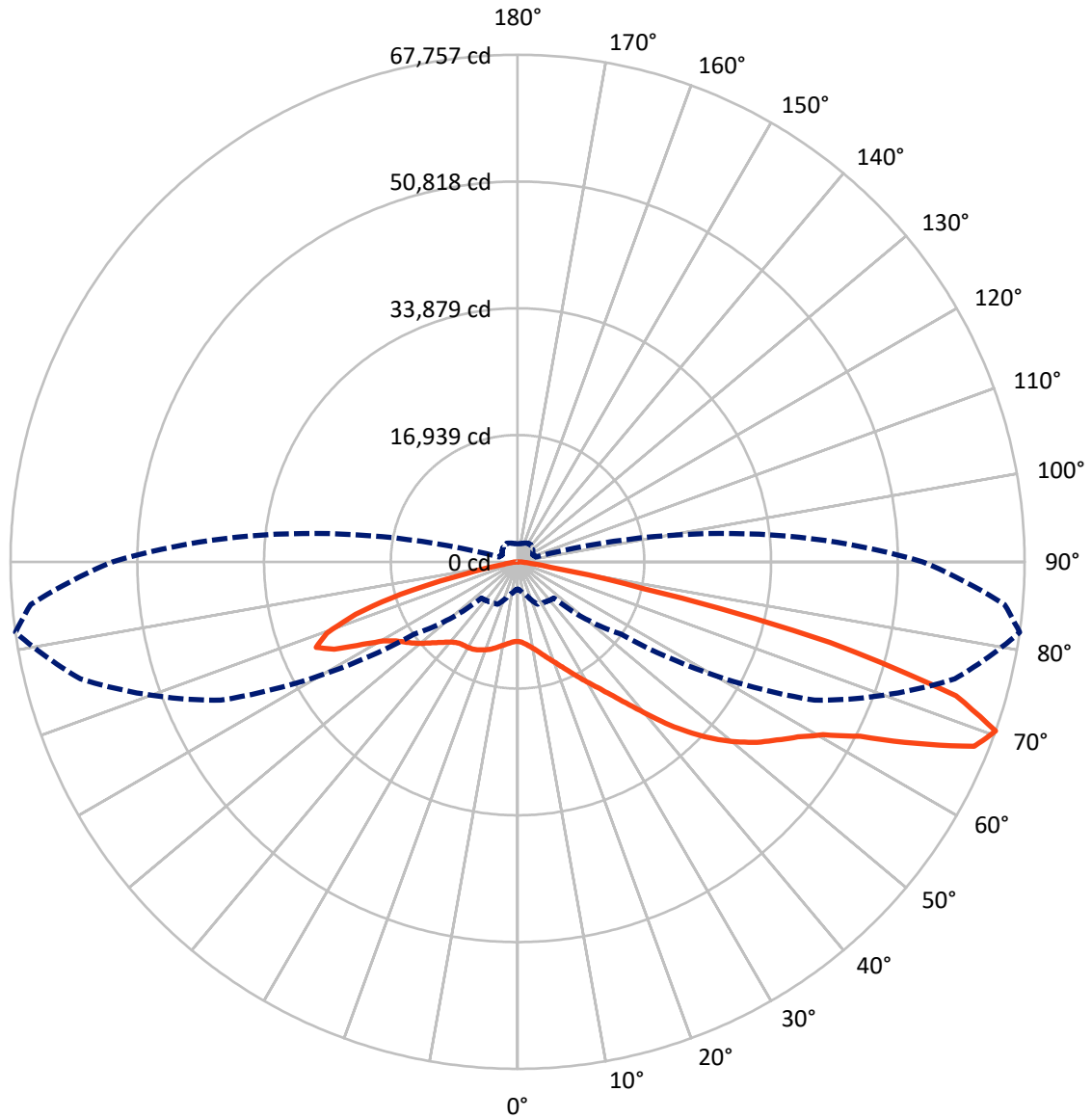
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 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
House Side	Lumens	17874.7	0.0	17874.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	54632.3	0.0	54632.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	72507.0	0.0	72507.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1003.7	1.4
10°-20°	2883.7	4.0
20°-30°	4824.1	6.7
30°-40°	7536.5	10.4
40°-50°	12002.8	16.6
50°-60°	16703.4	23.0
60°-70°	17472.5	24.1
70°-80°	9132.1	12.6
80°-90°	948.3	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°	72507.0	100.0
0°-180°	72507.0	100.0

Coefficient of Utilization

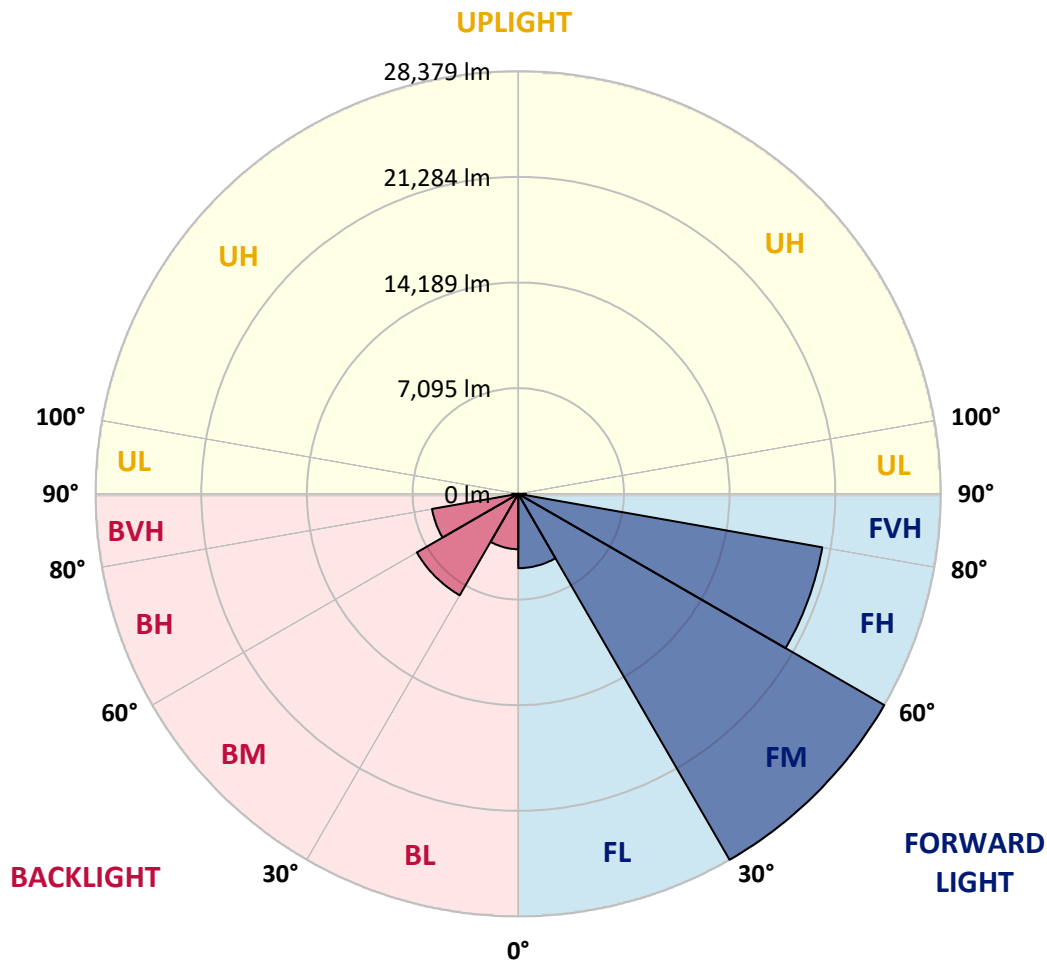


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4992.9	6.9			
FM (30°-60°)	28378.5	39.1			
FH (60°-80°)	20730.0	28.6			G5
FVH (80°-90°)	530.8	0.7			G4/750
BL (0°-30°)	3718.6	5.1	B4/5000		
BM (30°-60°)	7864.2	10.8	B4/8500		
BH (60°-80°)	5874.5	8.1	B5		G5
BVH (80°-90°)	417.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4
2.5°	10884.4	10945.9	10926.7	10907.4	10907.4	10880.5	10876.7	10838.2	10807.4	10757.4
5°	11022.9	11088.3	11080.6	11096.0	11146.0	11157.5	11169.1	11146.0	11084.4	11022.9
7.5°	10899.8	10972.9	10995.9	11088.3	11242.2	11380.7	11484.6	11526.9	11469.2	11380.7
10°	10484.2	10565.0	10645.8	10865.1	11138.3	11465.3	11742.3	11907.8	11896.2	11811.6
12.5°	9641.6	9726.3	9899.4	10326.5	10826.7	11403.8	11919.3	12265.6	12384.9	12323.3
15°	8968.3	9041.4	9172.3	9610.9	10261.1	11138.3	11984.7	12658.0	12962.0	12927.3
17.5°	8949.1	8979.9	9060.7	9268.4	9768.6	10722.8	11915.5	13042.8	13623.7	13619.9
20°	9287.7	9299.2	9345.4	9387.7	9672.4	10407.3	11738.5	13362.1	14366.3	14366.3
22.5°	9757.1	9749.4	9795.5	9757.1	9895.6	10380.4	11626.9	13643.0	15193.5	15255.0
25°	10461.1	10422.7	10411.1	10322.6	10349.6	10630.4	11750.0	13962.3	16174.6	16301.5
27.5°	11399.9	11338.4	11296.0	11092.1	11022.9	11146.0	12127.1	14347.0	17267.2	17486.5
30°	12623.4	12511.8	12450.3	12096.3	11846.2	11865.5	12696.5	14858.8	18409.9	18763.9
32.5°	14293.2	14120.0	13954.6	13373.6	12915.8	12765.8	13431.4	15566.7	19648.8	20214.4
35°	16163.0	16024.5	15847.5	14951.1	14247.0	13900.7	14424.0	16555.5	21099.3	21995.7
37.5°	17963.6	17844.4	17929.0	16720.9	15812.9	15308.9	15724.4	17882.8	22888.3	24211.8
40°	19825.8	19733.4	19745.0	18590.8	17532.7	16967.1	17301.9	19548.8	24939.0	26847.3
42.5°	21849.5	21780.3	21549.4	20526.0	19337.2	18810.1	19117.9	21472.5	27139.7	29848.3
45°	24115.7	24073.3	23857.9	22684.4	21322.4	20729.9	21145.4	23596.3	29352.0	32672.3
47.5°	26074.0	26108.6	26081.7	25092.9	23680.9	22811.4	23307.7	25812.4	31410.4	35327.0
50°	27016.6	27197.4	27462.9	27155.1	26277.9	25393.0	25489.2	27951.5	33372.6	37816.3
52.5°	26524.1	26866.6	27589.9	28082.3	28420.9	28236.2	27978.5	30075.3	35219.3	40063.2
55°	24688.9	25169.8	26370.2	27559.1	29286.6	30629.3	30967.9	32429.9	37019.9	42040.8
57.5°	21345.5	22126.5	23203.8	25608.5	28517.1	31787.4	34453.7	35696.4	38928.2	44153.0
60°	15612.8	16659.3	17998.3	21576.4	25823.9	31168.0	37420.0	40713.4	41640.7	46888.6
62.5°	9991.8	10638.1	11869.3	15239.6	20122.0	27993.9	38328.0	46984.7	46238.3	51374.7
65°	6840.7	7256.2	8383.5	10276.5	13008.1	20837.6	35896.5	51686.3	53540.8	58484.7
67.5°	4970.9	5286.4	6248.2	7906.5	8475.9	12331.0	27855.4	51470.8	60639.3	65810.2
70°	3624.3	3847.4	4655.4	6248.2	6521.4	6860.0	16874.8	43752.9	60485.4	67757.0
72.5°	2685.5	2839.4	3381.9	4847.8	5278.7	4632.3	8352.8	31799.0	51974.9	61285.6
75°	1942.9	2058.4	2458.5	3708.9	4224.5	3528.1	4166.8	18583.1	36254.3	43110.4
77.5°	1485.1	1573.6	1835.2	2716.3	3381.9	2647.0	2585.5	8549.0	17190.3	17274.9
80°	1192.7	1250.4	1392.8	1912.2	2593.2	1981.4	1685.2	3451.1	5432.6	4597.7
82.5°	877.2	973.4	1177.3	1342.8	1854.5	1365.8	1027.3	1742.9	2066.1	1777.5
85°	500.2	565.6	711.8	961.9	1185.0	834.9	588.7	773.3	961.9	788.7
87.5°	177.0	230.8	250.1	377.0	515.6	346.3	227.0	223.2	315.5	234.7
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°
10630.4	0°	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4	10630.4
10745.9	2.5°	10707.4	10688.1	10611.2	10507.3	10399.6	10295.7	10261.1	10188.0	10138.0	10111.0
10995.9	5°	10922.8	10861.3	10680.4	10449.6	10207.2	9945.6	9760.9	9591.6	9468.5	9353.1
11338.4	7.5°	11230.6	11122.9	10811.3	10407.3	9976.4	9541.6	9218.4	8972.2	8806.8	8699.0
11738.5	10°	11588.4	11423.0	10945.9	10341.9	9676.3	9053.0	8672.1	8460.5	8356.6	8298.9
12196.3	12.5°	12000.1	11765.4	11084.4	10191.8	9218.4	8506.7	8245.0	8183.5	8187.3	8191.2
12773.4	15°	12508.0	12180.9	11196.0	9864.8	8622.1	8087.3	8041.1	8141.1	8245.0	8295.0
13427.5	17.5°	13081.2	12619.6	11215.2	9326.2	8037.3	7818.0	7964.2	8179.6	8337.4	8406.6
14158.5	20°	13696.8	13065.9	11076.7	8564.4	7556.3	7598.7	7860.3	8137.3	8310.4	8398.9
14993.4	22.5°	14400.9	13542.9	10745.9	7764.1	7163.9	7360.1	7667.9	7937.2	8118.1	8206.6
15974.5	25°	15205.0	14077.7	10226.5	7090.8	6825.3	7090.8	7398.6	7621.7	7767.9	7848.7
17071.0	27.5°	16097.6	14635.6	9533.9	6556.0	6529.1	6813.8	7067.7	7240.9	7317.8	7379.4
18236.8	30°	16994.1	15143.5	8695.2	6152.0	6271.3	6540.6	6721.4	6798.4	6821.5	6833.0
19537.2	32.5°	17963.6	15582.1	7814.1	5817.3	6025.1	6275.1	6382.9	6417.5	6309.8	6236.7
21114.7	35°	19137.1	16051.5	6952.3	5551.8	5782.7	5998.1	6032.8	6002.0	5875.0	5725.0
23092.2	37.5°	20587.6	16636.3	6263.6	5363.3	5555.7	5698.0	5655.7	5648.0	5659.6	5482.6
25469.9	40°	22365.1	17398.1	5759.6	5217.1	5371.0	5401.8	5282.5	5347.9	5405.6	5136.3
28078.5	42.5°	24338.8	18317.6	5440.3	5117.1	5217.1	5144.0	4959.3	5032.4	5024.7	4670.8
30698.6	45°	26351.0	19317.9	5328.7	5044.0	5074.8	4928.6	4724.6	4743.9	4582.3	4262.9
33211.0	47.5°	28351.7	20391.3	5397.9	4982.4	4897.8	4732.3	4574.6	4489.9	4251.4	4012.9
35619.5	50°	30313.9	21518.6	5651.9	4859.3	4655.4	4559.2	4443.8	4293.7	4039.8	3835.9
37897.1	52.5°	32133.7	22653.6	5936.6	4655.4	4351.4	4409.1	4336.0	4162.9	3912.8	3705.1
40051.7	55°	33857.3	23788.6	6048.2	4374.5	4066.7	4278.3	4236.0	3916.7	3616.6	3447.3
42306.3	57.5°	35734.9	25154.5	5925.0	4016.7	3835.9	4128.3	3966.7	3612.7	3439.6	3312.6
45241.9	60°	38335.7	27297.5	5659.6	3574.3	3616.6	3905.1	3628.1	3481.9	3293.4	3151.0
49643.3	62.5°	42656.4	31294.9	5232.5	3135.7	3358.8	3574.3	3466.5	3320.3	3128.0	2989.4
57168.9	65°	49043.1	36850.6	4428.4	2793.2	3070.2	3251.1	3293.4	3147.2	2947.1	2800.9
63763.4	67.5°	54429.5	40336.4	3351.1	2508.5	2774.0	2989.4	3108.7	2966.4	2754.8	2612.4
65306.2	70°	54133.3	37804.8	2558.5	2227.7	2512.4	2731.7	2885.6	2774.0	2547.0	2412.3
59319.6	72.5°	48081.3	31625.8	2069.9	1942.9	2246.9	2462.4	2647.0	2562.4	2331.5	2200.7
43456.7	75°	35323.2	22449.7	1654.4	1654.4	1916.0	2181.5	2385.4	2331.5	2119.9	2027.6
18244.5	77.5°	14889.5	9418.5	1296.6	1373.5	1592.8	1873.7	2127.6	2146.9	1962.2	2077.6
4824.7	80°	3959.0	2597.0	988.8	1081.1	1250.4	1546.7	1850.6	1842.9	1642.9	1535.1
1792.9	82.5°	1508.2	1023.4	704.1	761.8	904.1	1185.0	1465.9	1512.0	1312.0	1135.0
704.1	85°	581.0	438.6	434.8	457.8	527.1	784.9	1108.1	1146.5	988.8	838.7
196.2	87.5°	150.0	130.8	161.6	153.9	242.4	419.4	634.8	657.9	604.0	350.1
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°
10630.4
10141.8
9399.3
8722.1
8314.3
8198.9
8291.2
8422.0
8422.0
8229.6
7871.8
7402.4
6860.0
6259.8
5732.7
5494.1
5144.0
4666.9
4274.5
4012.9
3820.5
3708.9
3431.9
3301.1
3143.3
2989.4
2808.6
2616.2
2423.9
2200.7
2000.7
1885.2
1427.4
1135.0
865.7
500.2
0.0

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