

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: P850805

Luminaire Tested: **GLAN-SB8C-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39326 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

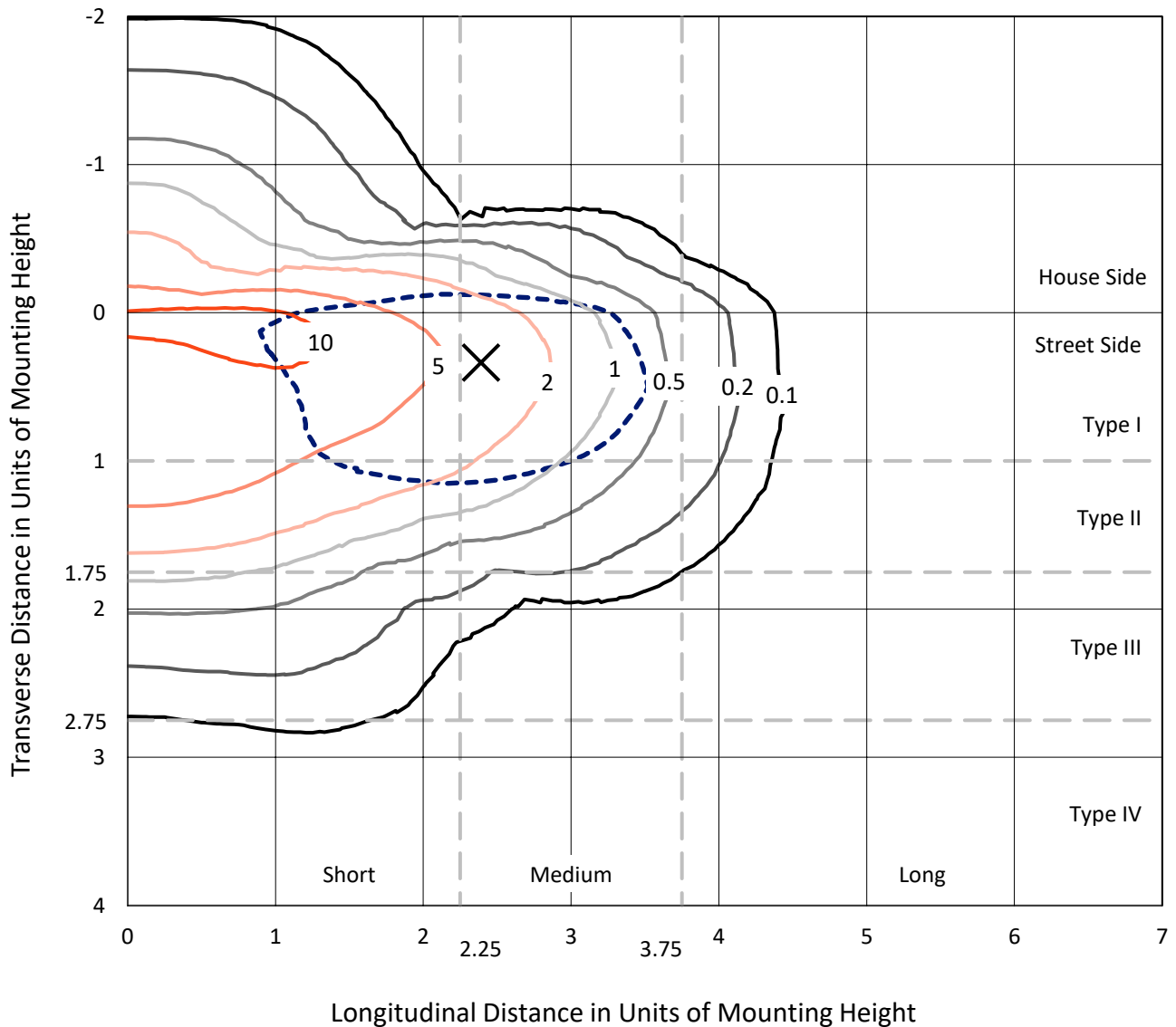
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

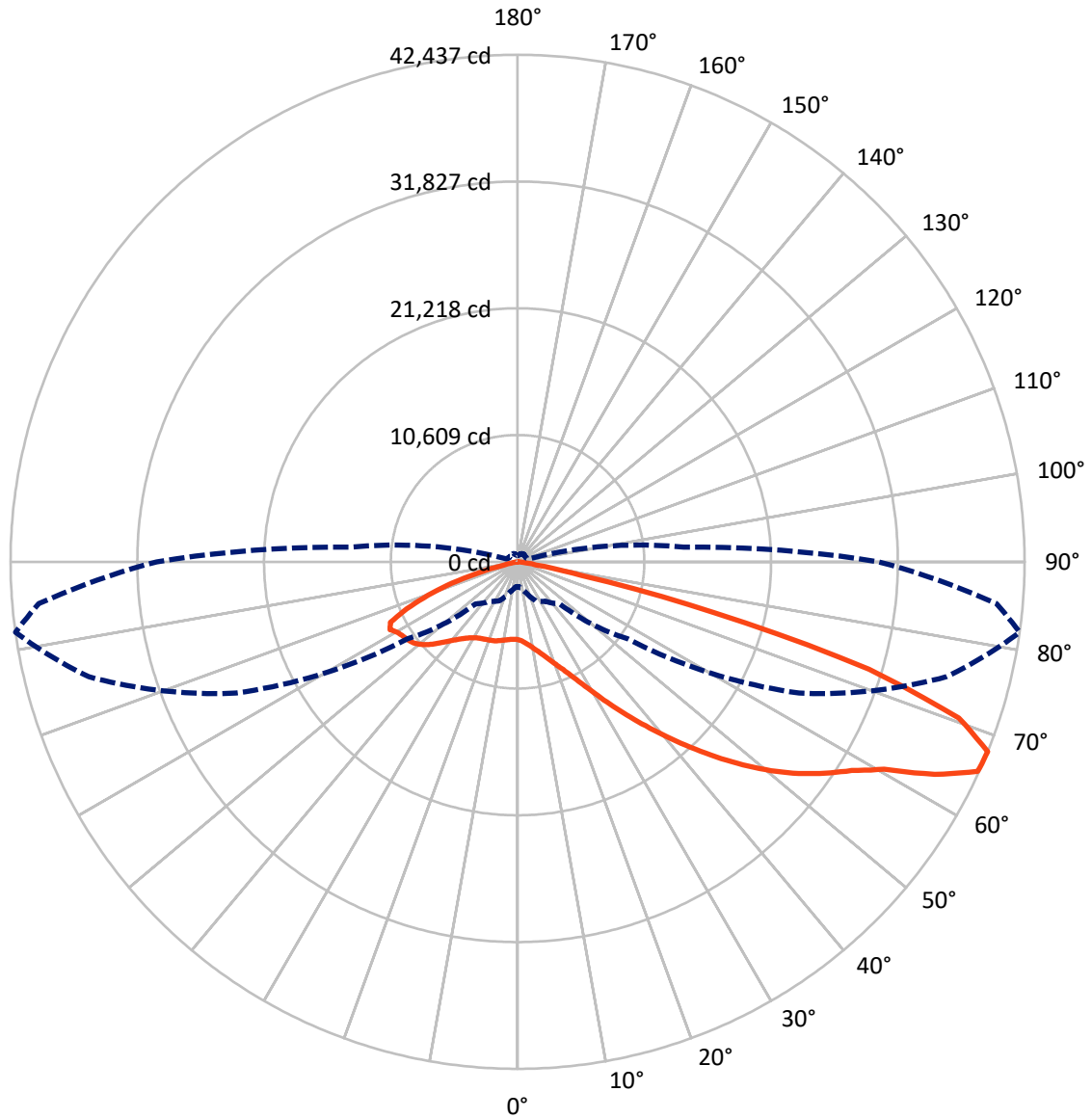
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7123.6	0.0	7123.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	32202.4	0.0	32202.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	39326.0	0.0	39326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.4	1.5
10°-20°	1508.3	3.8
20°-30°	2415.8	6.1
30°-40°	4272.0	10.9
40°-50°	7484.9	19.0
50°-60°	9982.8	25.4
60°-70°	9293.4	23.6
70°-80°	3566.8	9.1
80°-90°	221.5	0.6
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°	39326.0	100.0
0°-180°	39326.0	100.0

Coefficient of Utilization

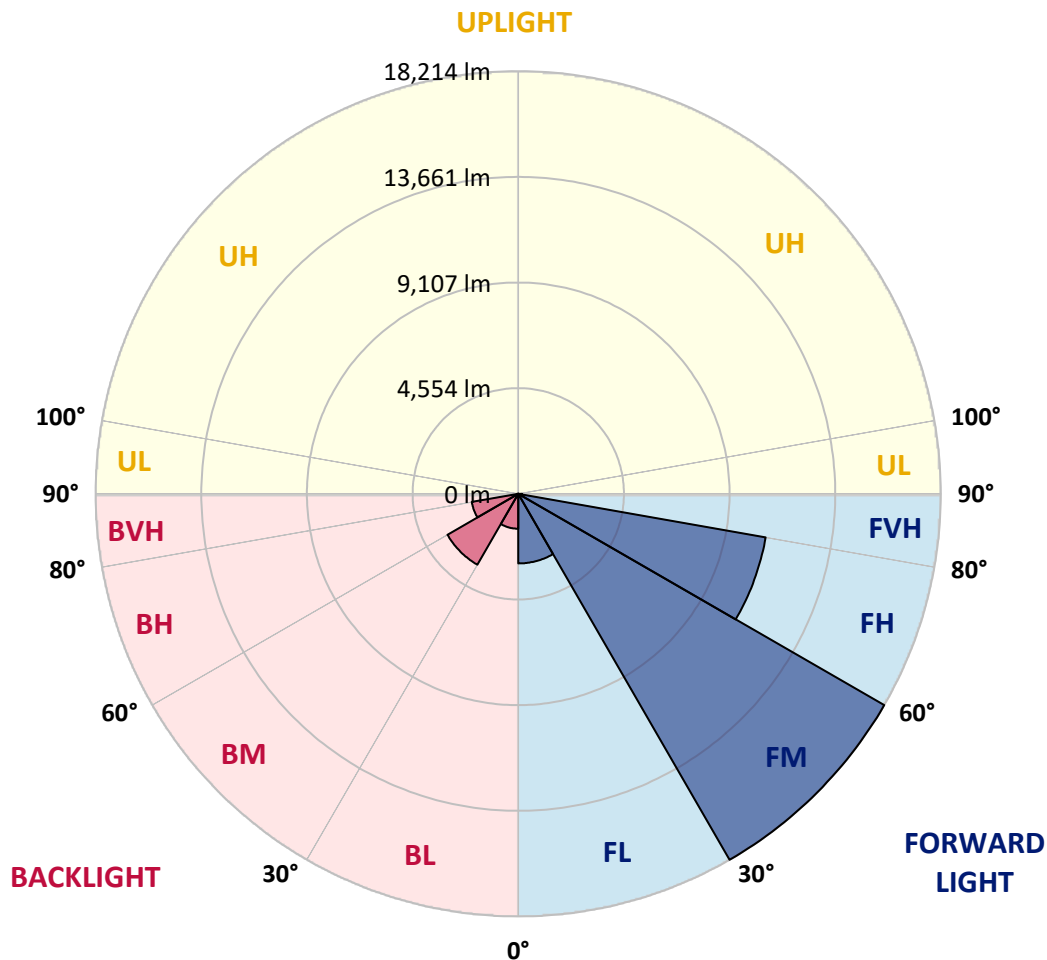


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3000.1	7.6			
FM (30°-60°)	18214.2	46.3			
FH (60°-80°)	10827.1	27.5			G4/12000
FVH (80°-90°)	161.1	0.4			G2/225
BL (0°-30°)	1504.5	3.8	B3/2500		
BM (30°-60°)	3525.4	9.0	B3/5000		
BH (60°-80°)	2033.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	60.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0
2.5°	6885.9	6925.5	6902.9	6891.6	6871.7	6843.4	6820.8	6750.0	6676.4	6628.2
5°	7024.6	7064.3	7061.4	7072.8	7086.9	7095.4	7089.8	7010.5	6905.7	6823.6
7.5°	6905.7	6951.0	6987.8	7044.5	7143.6	7248.3	7299.3	7282.3	7174.7	7061.4
10°	6568.8	6616.9	6704.7	6837.8	7047.3	7273.8	7463.5	7551.3	7483.3	7358.7
12.5°	5951.5	5999.7	6172.4	6461.2	6812.3	7205.8	7568.3	7803.3	7820.2	7695.7
15°	5257.9	5306.0	5490.0	5852.4	6387.6	7019.0	7624.9	8069.4	8219.5	8111.9
17.5°	4827.5	4870.0	5008.7	5300.3	5858.1	6645.2	7605.1	8352.5	8695.1	8610.2
20°	4697.2	4734.1	4799.2	5003.0	5467.4	6257.3	7474.8	8618.7	9207.6	9159.5
22.5°	4836.0	4870.0	4889.8	4980.4	5272.0	6002.5	7310.6	8890.5	9802.2	9807.9
25°	5155.9	5189.9	5167.3	5223.9	5351.3	5923.2	7248.3	9210.5	10549.7	10612.0
27.5°	5682.6	5685.4	5631.6	5628.8	5648.6	6042.1	7313.4	9553.0	11492.5	11608.6
30°	6738.7	6696.2	6489.5	6265.8	6163.9	6398.9	7494.6	9957.9	12605.3	12812.0
32.5°	8366.7	8304.4	7925.0	7389.9	6851.9	6973.7	7820.2	10419.4	13817.1	14190.8
35°	10133.5	10116.5	9720.1	8924.5	7984.5	7791.9	8349.7	11025.4	15139.3	15733.9
37.5°	11775.7	11767.2	11540.7	10603.5	9459.6	8933.0	9199.1	11818.1	16555.0	17415.8
40°	13276.3	13301.8	13075.3	12237.2	11084.8	10396.8	10354.3	12797.8	18129.3	19247.7
42.5°	14573.1	14601.4	14372.0	13752.0	12690.2	12016.3	11772.8	13998.3	19666.7	21215.5
45°	15453.6	15629.2	15595.2	15099.7	14338.1	13638.7	13477.3	15504.6	21419.3	23302.2
47.5°	15702.8	15864.2	16119.0	16187.0	15722.6	15034.6	15227.1	17319.5	23191.8	25391.7
50°	15088.4	15238.4	15767.9	16472.9	16795.7	16583.3	16928.8	19264.7	25006.7	27475.6
52.5°	13876.6	14029.4	14697.7	15813.2	17129.8	17798.0	18636.1	21181.5	26765.0	29449.1
55°	12123.9	12285.3	13143.2	14406.0	16492.7	18299.2	20060.3	23095.5	28376.0	31224.4
57.5°	9739.9	9858.8	10750.7	12517.5	14890.2	17800.8	21110.7	25185.1	29893.6	32968.5
60°	6347.9	6452.7	7489.0	9459.6	12234.4	16136.0	21320.2	27515.3	31909.6	35236.4
62.5°	4221.6	4292.4	4906.8	6353.6	8615.9	12939.4	20094.2	29375.5	34865.5	39183.4
65°	2896.5	2967.3	3581.7	4589.7	5566.5	8559.2	16569.2	29129.2	37544.0	42317.7
67.5°	2066.9	2126.4	2647.3	3598.7	4029.0	4971.9	11232.1	25980.7	37158.9	42436.6
70°	1480.8	1514.8	1945.2	2803.1	3202.3	2987.1	6246.0	19870.6	32535.3	39186.2
72.5°	1036.3	1047.6	1350.6	2134.9	2579.4	2180.2	2972.9	13248.0	24607.5	30757.2
75°	702.2	716.3	908.9	1565.7	2069.7	1664.8	1574.2	7103.9	14445.7	17025.0
77.5°	430.4	436.0	586.1	1070.3	1548.8	1268.5	1013.6	3009.7	5589.1	5487.2
80°	243.5	243.5	373.7	665.4	1056.1	818.3	710.7	1279.8	1769.6	1554.4
82.5°	135.9	138.7	271.8	413.4	699.3	484.2	390.7	591.8	764.5	676.7
85°	56.6	62.3	167.1	195.4	334.1	240.7	158.6	249.2	283.1	252.0
87.5°	5.7	8.5	51.0	36.8	39.6	48.1	22.7	48.1	39.6	39.6
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°
6515.0	0°	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0	6515.0
6611.3	2.5°	6557.5	6515.0	6407.4	6282.8	6118.6	6039.3	5931.7	5858.1	5795.8	5801.5
6775.5	5°	6684.9	6577.3	6336.6	6036.5	5662.7	5396.6	5113.5	4918.1	4759.5	4725.6
7002.0	7.5°	6860.4	6690.5	6268.7	5727.9	5096.5	4618.0	4190.4	3915.8	3720.4	3658.1
7276.6	10°	7086.9	6840.6	6180.9	5340.0	4431.1	3822.4	3363.7	3148.5	3015.4	2970.1
7599.4	12.5°	7350.2	7013.3	6064.8	4867.1	3745.9	3159.8	2868.2	2760.6	2718.1	2704.0
7995.8	15°	7681.5	7228.5	5889.3	4306.5	3165.5	2754.9	2630.3	2616.2	2621.9	2616.2
8471.5	17.5°	8075.1	7463.5	5603.3	3728.9	2774.7	2548.2	2502.9	2514.3	2528.4	2525.6
9003.8	20°	8505.4	7695.7	5238.0	3216.4	2508.6	2401.0	2375.5	2386.8	2398.2	2392.5
9618.2	22.5°	8995.3	7944.8	4833.2	2817.2	2330.2	2265.1	2236.8	2239.6	2239.6	2228.3
10396.8	25°	9581.4	8219.5	4408.4	2534.1	2194.3	2143.3	2109.4	2098.0	2081.1	2047.1
11342.5	27.5°	10280.7	8511.1	4000.7	2335.9	2086.7	2038.6	1998.9	1970.6	1928.2	1871.5
12477.9	30°	11067.8	8865.0	3655.3	2211.3	2001.8	1953.6	1908.3	1865.9	1803.6	1732.8
13783.1	32.5°	11993.7	9244.4	3403.3	2129.2	1925.3	1874.4	1820.6	1769.6	1701.7	1630.9
15249.8	35°	13097.9	9703.1	3256.1	2072.6	1865.9	1797.9	1738.5	1681.8	1630.9	1568.6
16843.8	37.5°	14295.6	10190.1	3210.8	2044.3	1826.2	1721.5	1653.5	1613.9	1608.2	1571.4
18568.1	40°	15606.5	10767.7	3244.8	2027.3	1783.8	1647.9	1574.2	1565.7	1579.9	1514.8
20411.4	42.5°	16993.9	11452.9	3301.4	2007.4	1724.3	1574.2	1503.5	1503.5	1492.1	1401.5
22359.3	45°	18494.5	12242.9	3358.0	1959.3	1653.5	1500.6	1446.8	1427.0	1378.9	1291.1
24318.7	47.5°	20006.5	13047.0	3400.5	1871.5	1568.6	1438.3	1390.2	1344.9	1274.1	1194.8
26241.2	50°	21442.0	13769.0	3355.2	1741.3	1472.3	1378.9	1327.9	1265.6	1189.2	1135.4
28061.7	52.5°	22724.6	14394.7	3162.6	1588.4	1370.4	1316.6	1271.3	1206.2	1143.9	1087.2
29703.9	55°	23840.2	14901.5	2822.9	1444.0	1279.8	1262.8	1217.5	1135.4	1050.4	1002.3
31332.0	57.5°	24910.4	15286.6	2398.2	1325.1	1197.7	1203.3	1135.4	1061.8	982.5	931.5
33526.3	60°	26334.6	15801.9	1967.8	1214.7	1109.9	1126.9	1053.3	999.5	900.4	835.3
37289.2	62.5°	28611.0	16603.2	1562.9	1078.8	1008.0	1013.6	982.5	917.4	798.4	722.0
40078.1	65°	30417.4	16308.7	1231.6	931.5	891.9	900.4	900.4	829.6	702.2	614.4
40228.1	67.5°	30213.6	13964.3	982.5	787.1	781.5	787.1	806.9	747.5	622.9	552.1
37164.6	70°	27832.4	11107.5	787.1	654.0	679.5	665.4	722.0	682.4	560.6	489.8
28812.0	72.5°	22710.4	8001.5	600.3	540.8	521.0	543.6	651.2	614.4	467.2	387.9
15261.1	75°	13270.6	4269.7	447.4	427.5	376.6	453.0	577.6	523.8	356.8	286.0
4677.4	77.5°	4320.7	1489.3	328.4	314.3	280.3	365.2	492.7	441.7	291.6	226.5
1370.4	80°	1158.0	450.2	223.7	206.7	181.2	271.8	390.7	351.1	209.5	147.2
588.9	82.5°	464.3	189.7	130.2	116.1	99.1	186.9	308.6	283.1	155.7	93.4
184.0	85°	150.1	62.3	48.1	36.8	45.3	116.1	184.0	192.5	110.4	48.1
28.3	87.5°	19.8	8.5	8.5	11.3	8.5	19.8	56.6	53.8	31.1	5.7
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°
6515.0
5744.9
4649.1
3595.8
2936.1
2695.5
2613.4
2519.9
2389.7
2222.6
2041.4
1865.9
1727.1
1633.7
1562.9
1568.6
1517.6
1401.5
1288.3
1192.0
1126.9
1081.6
996.6
925.9
826.8
716.3
605.9
540.8
481.3
379.4
277.5
218.0
144.4
93.4
36.8
0.0
0.0

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