

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: P851565

Luminaire Tested: **GLAN-SB9C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851565
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-SB9C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 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: 41243 lumens
Efficiency: N/A
Efficacy: 91.7 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

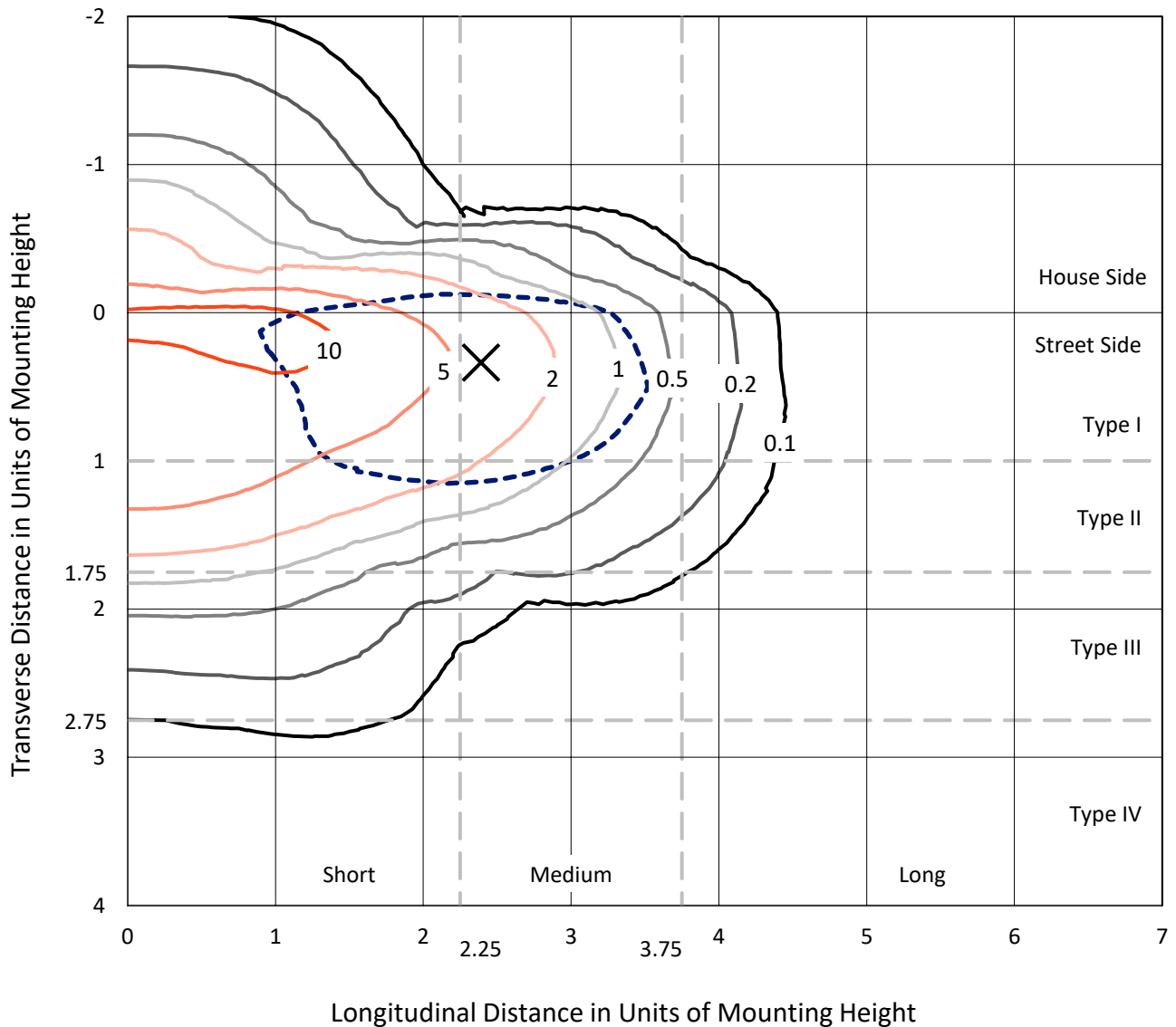
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

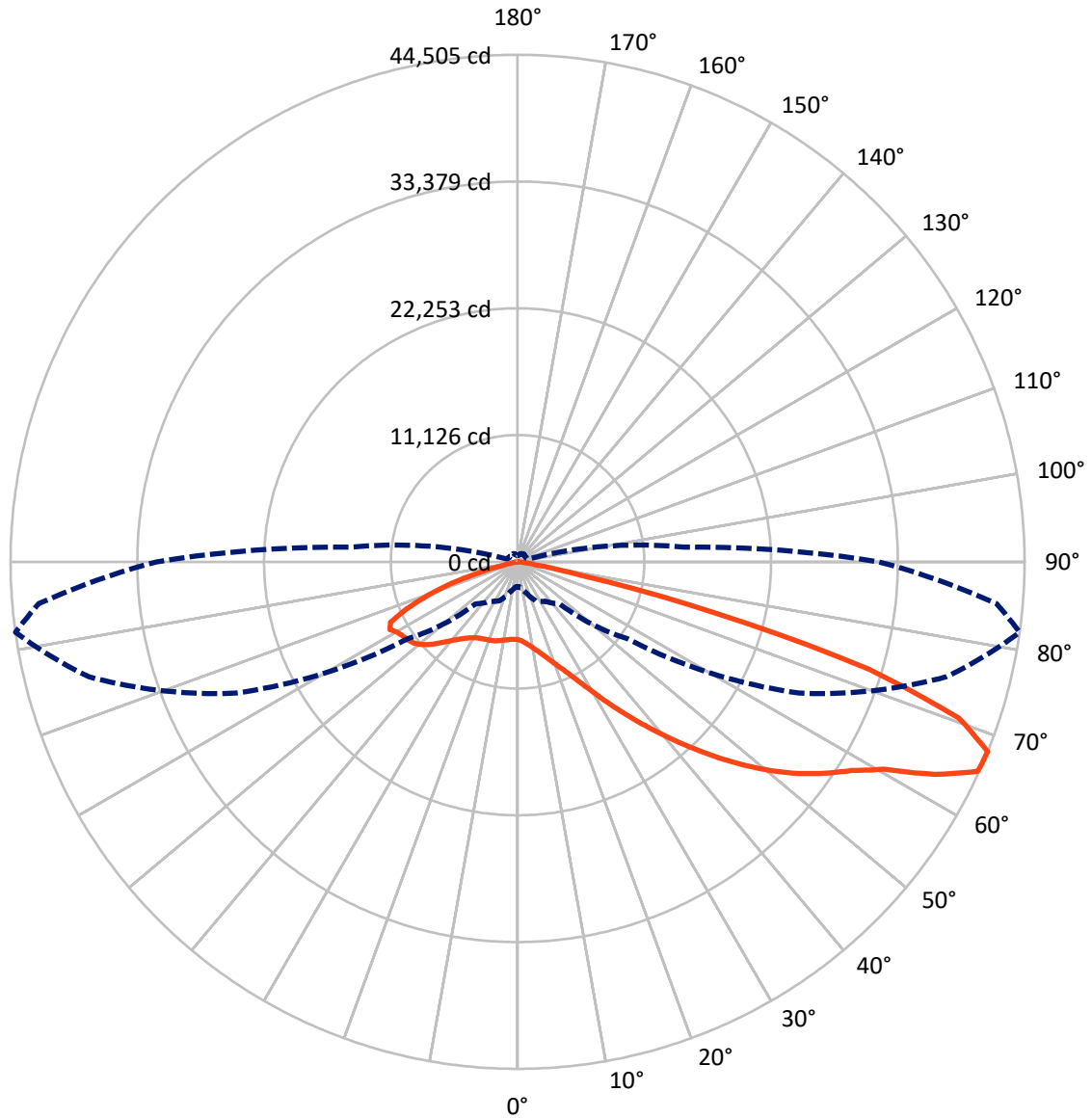
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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	7470.8	0.0	7470.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	33772.2	0.0	33772.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	41243.0	0.0	41243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.7	1.5
10°-20°	1581.9	3.8
20°-30°	2533.6	6.1
30°-40°	4480.2	10.9
40°-50°	7849.8	19.0
50°-60°	10469.4	25.4
60°-70°	9746.5	23.6
70°-80°	3740.7	9.1
80°-90°	232.3	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°	41243.0	100.0
0°-180°	41243.0	100.0

Coefficient of Utilization

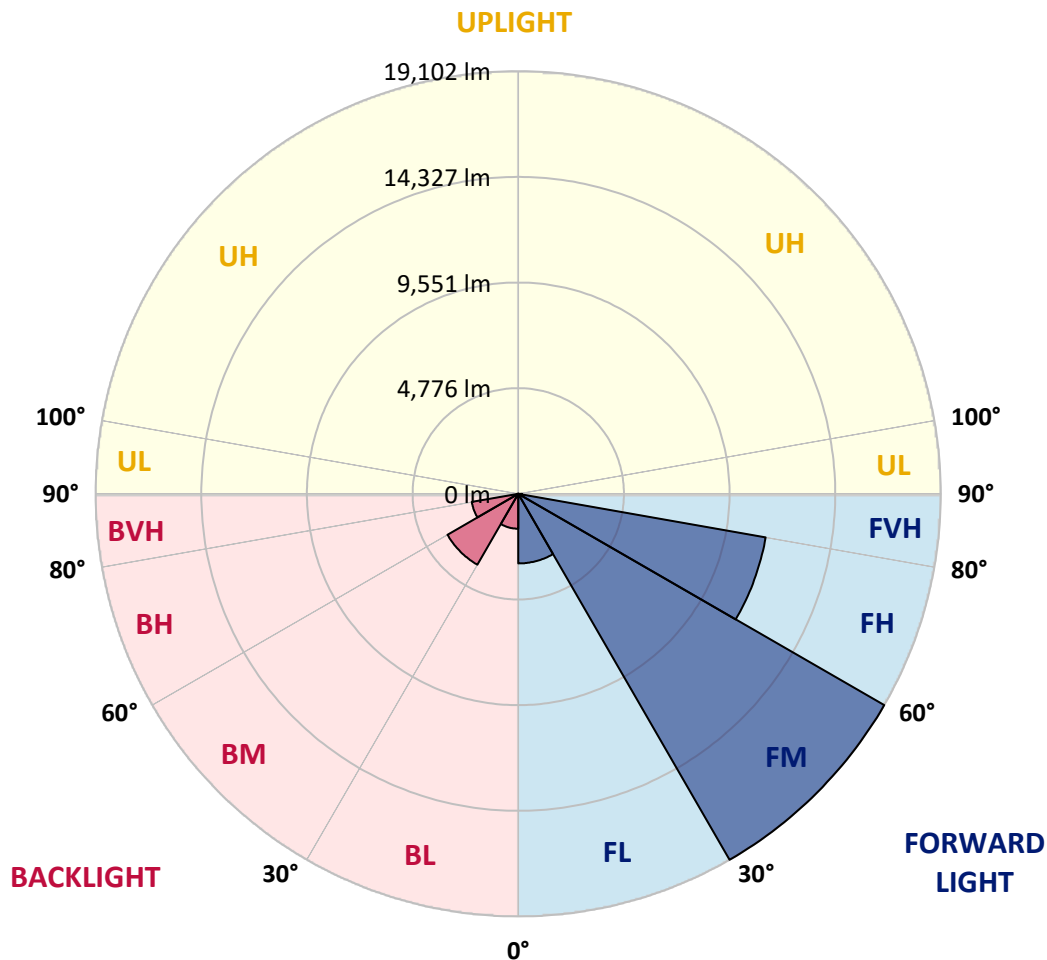


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3146.4	7.6			
FM (30°-60°)	19102.1	46.3			
FH (60°-80°)	11354.8	27.5			G4/12000
FVH (80°-90°)	168.9	0.4			G2/225
BL (0°-30°)	1577.8	3.8	B3/2500		
BM (30°-60°)	3697.3	9.0	B3/5000		
BH (60°-80°)	2132.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	63.4	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°	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6
2.5°	7221.6	7263.1	7239.4	7227.5	7206.7	7177.0	7153.3	7079.0	7001.8	6951.3
5°	7367.1	7408.6	7405.7	7417.5	7432.4	7441.3	7435.4	7352.2	7242.3	7156.2
7.5°	7242.3	7289.9	7328.5	7387.8	7491.8	7601.6	7655.1	7637.3	7524.4	7405.7
10°	6889.0	6939.5	7031.5	7171.1	7390.8	7628.4	7827.3	7919.4	7848.1	7717.4
12.5°	6241.7	6292.1	6473.3	6776.2	7144.4	7557.1	7937.2	8183.6	8201.5	8070.8
15°	5514.2	5564.6	5757.6	6137.7	6698.9	7361.1	7996.6	8462.8	8620.1	8507.3
17.5°	5062.8	5107.4	5252.9	5558.7	6143.7	6969.2	7975.8	8759.7	9119.0	9029.9
20°	4926.2	4964.8	5033.1	5246.9	5733.9	6562.4	7839.2	9038.8	9656.5	9606.0
22.5°	5071.7	5107.4	5128.1	5223.2	5529.0	6295.1	7667.0	9323.9	10280.0	10286.0
25°	5407.3	5442.9	5419.1	5478.5	5612.1	6212.0	7601.6	9659.4	11064.0	11129.3
27.5°	5959.6	5962.5	5906.1	5903.1	5923.9	6336.7	7669.9	10018.7	12052.8	12174.5
30°	7067.2	7022.6	6805.8	6571.3	6464.4	6710.8	7860.0	10443.3	13219.7	13436.5
32.5°	8774.6	8709.2	8311.3	7750.1	7185.9	7313.6	8201.5	10927.4	14490.6	14882.6
35°	10627.5	10609.6	10193.9	9359.5	8373.7	8171.8	8756.7	11562.8	15877.3	16500.9
37.5°	12349.7	12340.8	12103.2	11120.4	9920.7	9368.4	9647.6	12394.2	17362.0	18264.7
40°	13923.5	13950.2	13712.6	12833.7	11625.2	10903.6	10859.1	13421.6	19013.0	20185.9
42.5°	15283.5	15313.2	15072.6	14422.3	13308.8	12602.1	12346.7	14680.7	20625.4	22249.6
45°	16206.9	16391.0	16355.4	15835.8	15037.0	14303.6	14134.3	16260.4	22463.4	24438.1
47.5°	16468.2	16637.5	16904.7	16976.0	16489.0	15767.5	15969.4	18163.8	24322.3	26629.5
50°	15823.9	15981.3	16536.5	17275.9	17614.4	17391.7	17754.0	20203.7	26225.7	28815.0
52.5°	14553.0	14713.3	15414.1	16584.1	17964.8	18665.6	19544.5	22214.0	28069.7	30884.6
55°	12714.9	12884.2	13783.9	15108.3	17296.7	19191.2	21038.1	24221.3	29759.2	32746.4
57.5°	10214.7	10339.4	11274.8	13127.7	15616.0	18668.6	22139.8	26412.7	31350.8	34575.6
60°	6657.4	6767.2	7854.0	9920.7	12830.7	16922.6	22359.5	28856.5	33465.0	36954.1
62.5°	4427.4	4501.6	5146.0	6663.3	9035.9	13570.1	21073.8	30807.4	36565.1	41093.4
65°	3037.7	3111.9	3756.3	4813.4	5837.8	8976.5	17376.9	30549.1	39374.1	44380.5
67.5°	2167.7	2230.0	2776.4	3774.1	4225.4	5214.3	11779.6	27247.1	38970.3	44505.2
70°	1553.0	1588.6	2040.0	2939.7	3358.4	3132.7	6550.5	20839.2	34121.3	41096.4
72.5°	1086.8	1098.7	1416.4	2238.9	2705.1	2286.4	3117.9	13893.8	25807.0	32256.5
75°	736.4	751.3	953.2	1642.1	2170.6	1746.0	1651.0	7450.2	15149.8	17854.9
77.5°	451.3	457.3	614.7	1122.4	1624.3	1330.3	1063.0	3156.5	5861.6	5754.7
80°	255.4	255.4	392.0	697.8	1107.6	858.2	745.3	1342.2	1855.9	1630.2
82.5°	142.5	145.5	285.1	433.5	733.4	507.8	409.8	620.6	801.7	709.7
85°	59.4	65.3	175.2	204.9	350.4	252.4	166.3	261.3	296.9	264.3
87.5°	5.9	8.9	53.4	38.6	41.6	50.5	23.8	50.5	41.6	41.6
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°
6832.6	0°	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6	6832.6
6933.5	2.5°	6877.1	6832.6	6719.7	6589.1	6416.9	6333.7	6220.9	6143.7	6078.3	6084.3
7105.8	5°	7010.7	6897.9	6645.5	6330.7	5938.8	5659.7	5362.7	5157.8	4991.5	4955.9
7343.3	7.5°	7194.8	7016.7	6574.2	6007.1	5344.9	4843.1	4394.7	4106.7	3901.8	3836.5
7631.3	10°	7432.4	7174.0	6482.2	5600.3	4647.1	4008.7	3527.6	3302.0	3162.4	3114.9
7969.8	12.5°	7708.5	7355.2	6360.4	5104.4	3928.5	3313.8	3008.0	2895.2	2850.6	2835.8
8385.6	15°	8056.0	7580.9	6176.3	4516.4	3319.8	2889.2	2758.6	2743.7	2749.7	2743.7
8884.4	17.5°	8468.7	7827.3	5876.4	3910.7	2910.0	2672.5	2624.9	2636.8	2651.7	2648.7
9442.7	20°	8920.1	8070.8	5493.4	3373.2	2630.9	2518.0	2491.3	2503.2	2515.1	2509.1
10087.0	22.5°	9433.8	8332.1	5068.8	2954.5	2443.8	2375.5	2345.8	2348.8	2348.8	2336.9
10903.6	25°	10048.4	8620.1	4623.3	2657.6	2301.3	2247.8	2212.2	2200.3	2182.5	2146.9
11895.4	27.5°	10781.9	8926.0	4195.7	2449.7	2188.4	2138.0	2096.4	2066.7	2022.2	1962.8
13086.1	30°	11607.4	9297.2	3833.5	2319.1	2099.4	2048.9	2001.4	1956.8	1891.5	1817.3
14455.0	32.5°	12578.3	9695.1	3569.2	2233.0	2019.2	1965.7	1909.3	1855.9	1784.6	1710.4
15993.1	35°	13736.4	10176.1	3414.8	2173.6	1956.8	1885.6	1823.2	1763.8	1710.4	1645.0
17664.9	37.5°	14992.5	10686.8	3367.3	2143.9	1915.3	1805.4	1734.1	1692.6	1686.6	1648.0
19473.3	40°	16367.3	11292.6	3402.9	2126.1	1870.7	1728.2	1651.0	1642.1	1656.9	1588.6
21406.3	42.5°	17822.3	12011.2	3462.3	2105.3	1808.4	1651.0	1576.7	1576.7	1564.9	1469.8
23449.3	45°	19396.1	12839.6	3521.7	2054.8	1734.1	1573.8	1517.4	1496.6	1446.1	1354.0
25504.1	47.5°	20981.7	13683.0	3566.2	1962.8	1645.0	1508.5	1458.0	1410.5	1336.2	1253.1
27520.3	50°	22487.2	14440.1	3518.7	1826.2	1544.1	1446.1	1392.6	1327.3	1247.1	1190.7
29429.6	52.5°	23832.3	15096.4	3316.8	1665.8	1437.2	1380.8	1333.3	1265.0	1199.6	1140.2
31151.9	55°	25002.3	15627.9	2960.5	1514.4	1342.2	1324.3	1276.8	1190.7	1101.6	1051.2
32859.3	57.5°	26124.7	16031.7	2515.1	1389.7	1256.1	1262.0	1190.7	1113.5	1030.4	976.9
35160.6	60°	27618.3	16572.2	2063.7	1273.9	1164.0	1181.8	1104.6	1048.2	944.3	876.0
39106.9	62.5°	30005.7	17412.5	1639.1	1131.3	1057.1	1063.0	1030.4	962.1	837.4	757.2
42031.7	65°	31900.2	17103.7	1291.7	976.9	935.4	944.3	944.3	870.0	736.4	644.4
42189.1	67.5°	31686.4	14645.0	1030.4	825.5	819.6	825.5	846.3	783.9	653.3	579.0
38976.2	70°	29189.1	11648.9	825.5	685.9	712.7	697.8	757.2	715.6	587.9	513.7
30216.5	72.5°	23817.5	8391.5	629.5	567.2	546.4	570.1	683.0	644.4	489.9	406.8
16005.0	75°	13917.5	4477.8	469.2	448.4	394.9	475.1	605.8	549.3	374.1	299.9
4905.4	77.5°	4531.3	1561.9	344.4	329.6	294.0	383.1	516.7	463.2	305.8	237.6
1437.2	80°	1214.5	472.1	234.6	216.8	190.0	285.1	409.8	368.2	219.7	154.4
617.6	82.5°	487.0	198.9	136.6	121.7	103.9	196.0	323.7	296.9	163.3	98.0
193.0	85°	157.4	65.3	50.5	38.6	47.5	121.7	193.0	201.9	115.8	50.5
29.7	87.5°	20.8	8.9	8.9	11.9	8.9	20.8	59.4	56.4	32.7	5.9
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°
6832.6
6024.9
4875.7
3771.1
3079.3
2826.9
2740.7
2642.8
2506.2
2331.0
2140.9
1956.8
1811.3
1713.3
1639.1
1645.0
1591.6
1469.8
1351.1
1250.1
1181.8
1134.3
1045.2
971.0
867.1
751.3
635.4
567.2
504.8
397.9
291.0
228.6
151.4
98.0
38.6
0.0
0.0

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