

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: P851595

Luminaire Tested: **GLAN-SB9C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851595
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-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 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: 32078 lumens
Efficiency: N/A
Efficacy: 71.3 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

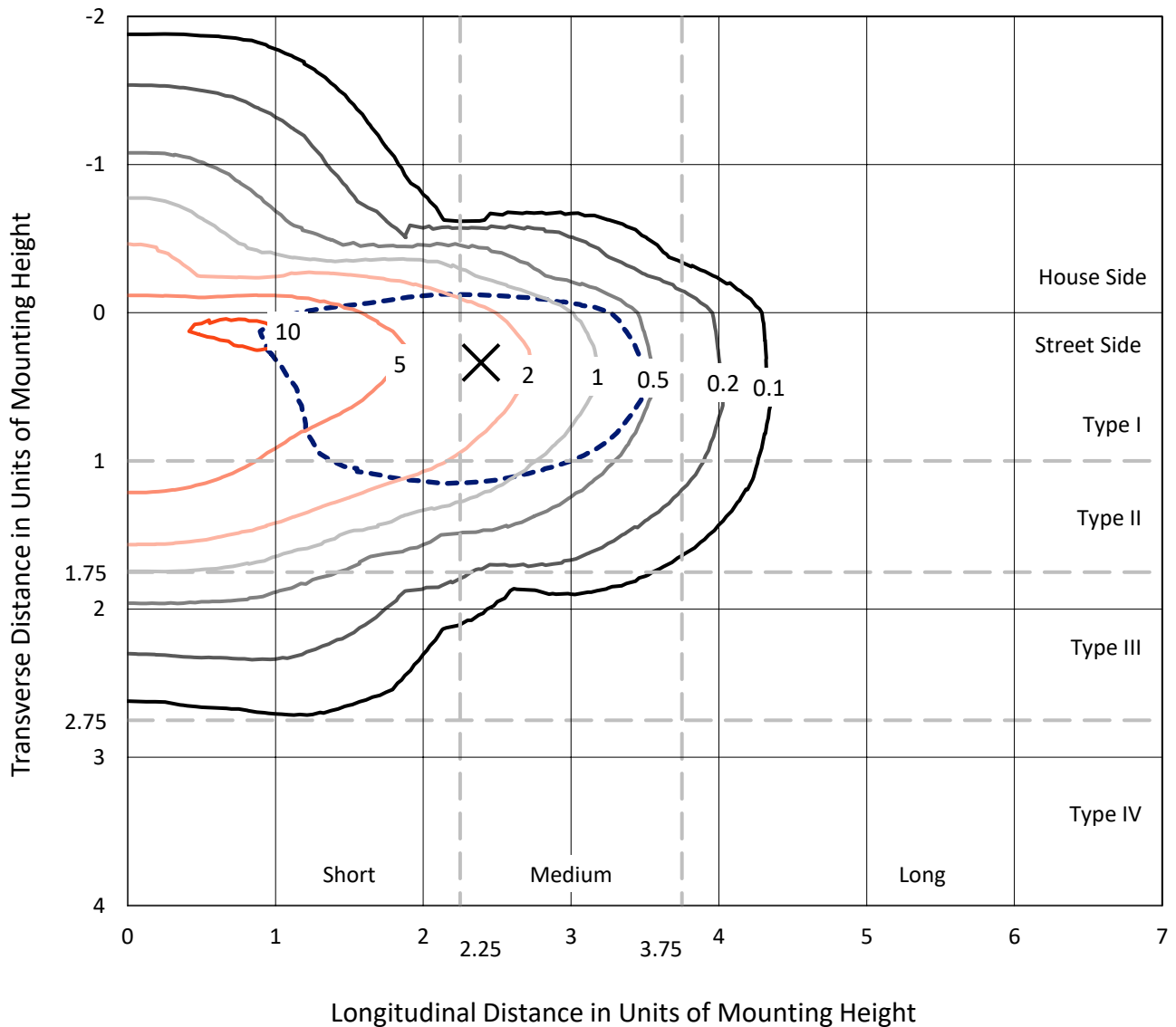
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

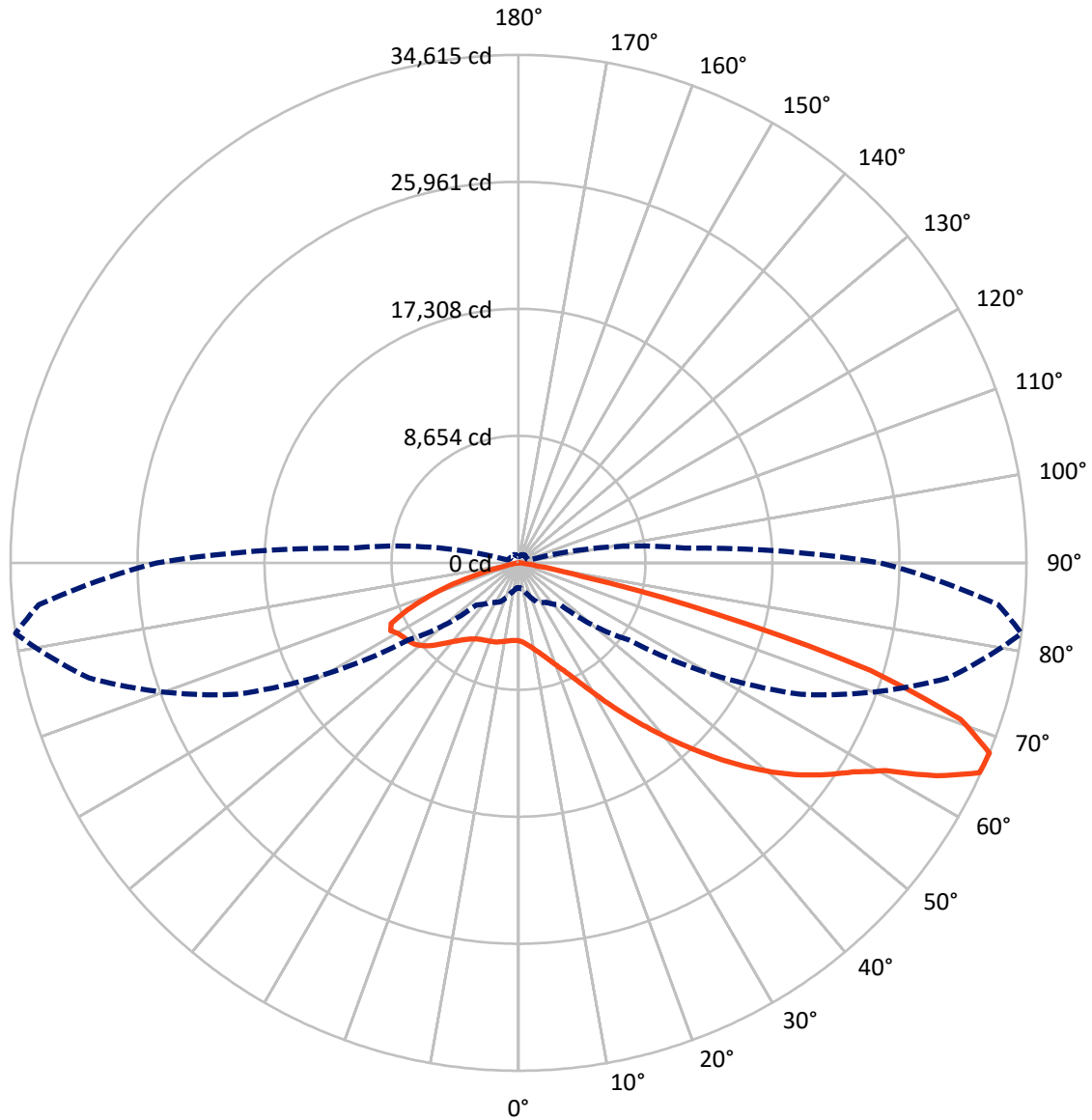
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	5810.6	0.0	5810.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26267.4	0.0	26267.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	32078.0	0.0	32078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.5	1.5
10°-20°	1230.3	3.8
20°-30°	1970.6	6.1
30°-40°	3484.6	10.9
40°-50°	6105.4	19.0
50°-60°	8142.9	25.4
60°-70°	7580.6	23.6
70°-80°	2909.4	9.1
80°-90°	180.7	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°	32078.0	100.0
0°-180°	32078.0	100.0

Coefficient of Utilization

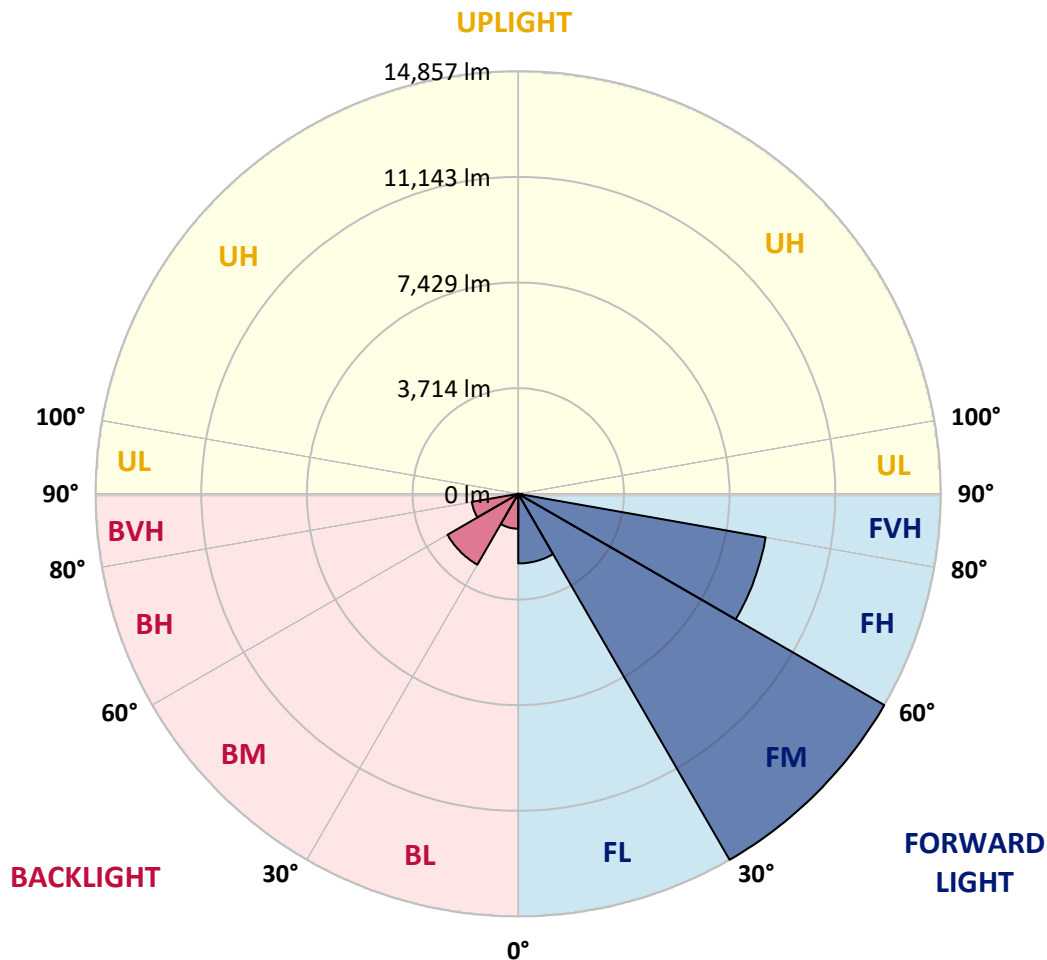


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2447.2	7.6			
FM (30°-60°)	14857.2	46.3			
FH (60°-80°)	8831.6	27.5			G4/12000
FVH (80°-90°)	131.4	0.4			G2/225
BL (0°-30°)	1227.2	3.8	B3/2500		
BM (30°-60°)	2875.7	9.0	B3/5000		
BH (60°-80°)	1658.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	49.3	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°	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2
2.5°	5616.8	5649.1	5630.6	5621.4	5605.2	5582.1	5563.7	5505.9	5445.9	5406.6
5°	5730.0	5762.3	5760.0	5769.2	5780.8	5787.7	5783.1	5718.4	5633.0	5566.0
7.5°	5633.0	5669.9	5699.9	5746.1	5827.0	5912.4	5954.0	5940.1	5852.4	5760.0
10°	5358.1	5397.4	5469.0	5577.5	5748.4	5933.2	6087.9	6159.5	6104.1	6002.5
12.5°	4854.6	4893.9	5034.8	5270.4	5556.7	5877.8	6173.4	6365.1	6378.9	6277.3
15°	4288.8	4328.1	4478.2	4773.8	5210.3	5725.3	6219.6	6582.2	6704.6	6616.8
17.5°	3937.8	3972.4	4085.6	4323.4	4778.4	5420.5	6203.4	6813.1	7092.6	7023.3
20°	3831.5	3861.5	3914.7	4080.9	4459.7	5104.1	6097.2	7030.2	7510.6	7471.3
22.5°	3944.7	3972.4	3988.6	4062.5	4300.4	4896.2	5963.2	7251.9	7995.6	8000.2
25°	4205.7	4233.4	4214.9	4261.1	4365.0	4831.5	5912.4	7512.9	8605.3	8656.1
27.5°	4635.2	4637.5	4593.7	4591.4	4607.5	4928.5	5965.5	7792.4	9374.4	9469.1
30°	5496.7	5462.0	5293.5	5111.0	5027.9	5219.5	6113.3	8122.6	10282.0	10450.6
32.5°	6824.7	6773.9	6464.4	6027.9	5589.1	5688.4	6378.9	8499.1	11270.5	11575.4
35°	8265.8	8252.0	7928.6	7279.7	6512.9	6355.8	6810.8	8993.3	12349.1	12834.1
37.5°	9605.4	9598.4	9413.7	8649.2	7716.2	7286.6	7503.7	9640.0	13503.8	14205.9
40°	10829.4	10850.2	10665.4	9981.8	9041.8	8480.6	8446.0	10439.1	14787.9	15700.2
42.5°	11887.2	11910.3	11723.2	11217.4	10351.3	9801.7	9603.0	11418.3	16042.0	17305.3
45°	12605.4	12748.6	12720.9	12316.7	11695.5	11125.0	10993.4	12647.0	17471.6	19007.5
47.5°	12808.7	12940.3	13148.2	13203.6	12824.8	12263.6	12420.7	14127.4	18917.4	20711.9
50°	12307.5	12429.9	12861.8	13436.9	13700.2	13526.9	13808.7	15714.1	20397.8	22411.7
52.5°	11319.0	11443.7	11988.8	12898.8	13972.7	14517.7	15201.4	17277.6	21832.0	24021.5
55°	9889.4	10021.1	10720.9	11750.9	13453.0	14926.5	16363.1	18838.9	23146.2	25469.5
57.5°	7944.8	8041.8	8769.3	10210.5	12145.8	14520.0	17219.9	20543.3	24384.1	26892.2
60°	5178.0	5263.4	6108.7	7716.2	9979.5	13162.0	17390.8	22444.1	26028.5	28742.2
62.5°	3443.5	3501.3	4002.4	5182.6	7027.9	10554.6	16390.8	23961.4	28439.6	31961.6
65°	2362.7	2420.4	2921.6	3743.8	4540.5	6981.7	13515.4	23760.5	30624.4	34518.3
67.5°	1686.0	1734.5	2159.4	2935.4	3286.5	4055.5	9161.9	21192.3	30310.3	34615.3
70°	1207.9	1235.6	1586.7	2286.4	2612.1	2436.6	5094.8	16208.3	26538.9	31964.0
72.5°	845.3	854.5	1101.6	1741.4	2104.0	1778.3	2425.0	10806.3	20072.2	25088.5
75°	572.8	584.3	741.4	1277.2	1688.3	1358.0	1284.1	5794.6	11783.2	13887.2
77.5°	351.0	355.7	478.1	873.0	1263.3	1034.7	826.8	2455.0	4559.0	4475.9
80°	198.6	198.6	304.9	542.7	861.5	667.5	579.7	1043.9	1443.5	1267.9
82.5°	110.9	113.2	221.7	337.2	570.5	394.9	318.7	482.7	623.6	552.0
85°	46.2	50.8	136.3	159.4	272.5	196.3	129.3	203.2	231.0	205.5
87.5°	4.6	6.9	41.6	30.0	32.3	39.3	18.5	39.3	32.3	32.3
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°
5314.2	0°	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2	5314.2
5392.8	2.5°	5348.9	5314.2	5226.5	5124.9	4990.9	4926.2	4838.5	4778.4	4727.6	4732.2
5526.7	5°	5452.8	5365.0	5168.7	4923.9	4619.1	4402.0	4171.0	4011.7	3882.3	3854.6
5711.5	7.5°	5596.0	5457.4	5113.3	4672.2	4157.2	3766.9	3418.1	3194.1	3034.7	2983.9
5935.5	10°	5780.8	5579.8	5041.7	4355.8	3614.4	3117.9	2743.7	2568.2	2459.7	2422.7
6198.8	12.5°	5995.6	5720.7	4947.0	3970.1	3055.5	2577.4	2339.6	2251.8	2217.2	2205.6
6522.1	15°	6265.8	5896.2	4803.8	3512.8	2582.1	2247.2	2145.6	2134.0	2138.6	2134.0
6910.1	17.5°	6586.8	6087.9	4570.6	3041.7	2263.3	2078.6	2041.6	2050.9	2062.4	2060.1
7344.3	20°	6937.8	6277.3	4272.6	2623.6	2046.2	1958.5	1937.7	1946.9	1956.2	1951.6
7845.5	22.5°	7337.4	6480.6	3942.4	2298.0	1900.7	1847.6	1824.5	1826.8	1826.8	1817.6
8480.6	25°	7815.5	6704.6	3595.9	2067.0	1789.9	1748.3	1720.6	1711.4	1697.5	1669.8
9252.0	27.5°	8385.9	6942.5	3263.4	1905.4	1702.1	1662.9	1630.5	1607.4	1572.8	1526.6
10178.1	30°	9028.0	7231.2	2981.6	1803.7	1632.8	1593.6	1556.6	1522.0	1471.2	1413.4
11242.8	32.5°	9783.2	7540.6	2776.1	1736.8	1570.5	1528.9	1485.0	1443.5	1388.0	1330.3
12439.2	35°	10683.9	7914.8	2656.0	1690.6	1522.0	1466.6	1418.1	1371.9	1330.3	1279.5
13739.4	37.5°	11660.8	8312.0	2619.0	1667.5	1489.6	1404.2	1348.8	1316.4	1311.8	1281.8
15145.9	40°	12730.2	8783.2	2646.7	1653.6	1455.0	1344.1	1284.1	1277.2	1288.7	1235.6
16649.4	42.5°	13861.8	9342.1	2692.9	1637.5	1406.5	1284.1	1226.4	1226.4	1217.1	1143.2
18238.4	45°	15085.9	9986.4	2739.1	1598.2	1348.8	1224.1	1180.2	1164.0	1124.7	1053.1
19836.6	47.5°	16319.2	10642.3	2773.8	1526.6	1279.5	1173.2	1134.0	1097.0	1039.3	974.6
21404.8	50°	17490.1	11231.3	2736.8	1420.4	1201.0	1124.7	1083.2	1032.4	970.0	926.1
22889.8	52.5°	18536.3	11741.7	2579.8	1295.6	1117.8	1073.9	1037.0	983.9	933.1	886.9
24229.3	55°	19446.3	12155.1	2302.6	1177.9	1043.9	1030.1	993.1	926.1	856.8	817.6
25557.3	57.5°	20319.3	12469.2	1956.2	1080.9	976.9	981.6	926.1	866.1	801.4	759.8
27347.2	60°	21481.0	12889.5	1605.1	990.8	905.3	919.2	859.1	815.3	734.4	681.3
30416.6	62.5°	23337.8	13543.1	1274.9	879.9	822.2	826.8	801.4	748.3	651.3	588.9
32691.5	65°	24811.3	13302.9	1004.6	759.8	727.5	734.4	734.4	676.7	572.8	501.2
32813.9	67.5°	24645.0	11390.6	801.4	642.1	637.4	642.1	658.2	609.7	508.1	450.4
30315.0	70°	22702.7	9060.3	642.1	533.5	554.3	542.7	588.9	556.6	457.3	399.5
23501.8	72.5°	18524.8	6526.7	489.6	441.1	425.0	443.4	531.2	501.2	381.1	316.4
12448.4	75°	10824.8	3482.8	364.9	348.7	307.2	369.5	471.1	427.3	291.0	233.3
3815.4	77.5°	3524.3	1214.8	267.9	256.4	228.6	297.9	401.9	360.3	237.9	184.8
1117.8	80°	944.6	367.2	182.5	168.6	147.8	221.7	318.7	286.4	170.9	120.1
480.4	82.5°	378.8	154.7	106.2	94.7	80.8	152.4	251.7	231.0	127.0	76.2
150.1	85°	122.4	50.8	39.3	30.0	37.0	94.7	150.1	157.0	90.1	39.3
23.1	87.5°	16.2	6.9	6.9	9.2	6.9	16.2	46.2	43.9	25.4	4.6
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°
5314.2
4686.0
3792.3
2933.1
2395.0
2198.7
2131.7
2055.5
1949.2
1813.0
1665.2
1522.0
1408.8
1332.6
1274.9
1279.5
1237.9
1143.2
1050.8
972.3
919.2
882.2
813.0
755.2
674.4
584.3
494.2
441.1
392.6
309.5
226.3
177.8
117.8
76.2
30.0
0.0
0.0

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