

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: P851335

Luminaire Tested: **GLAN-SB9B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851335
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-SB9B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA 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: 36753 lumens
Efficiency: N/A
Efficacy: 111.5 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

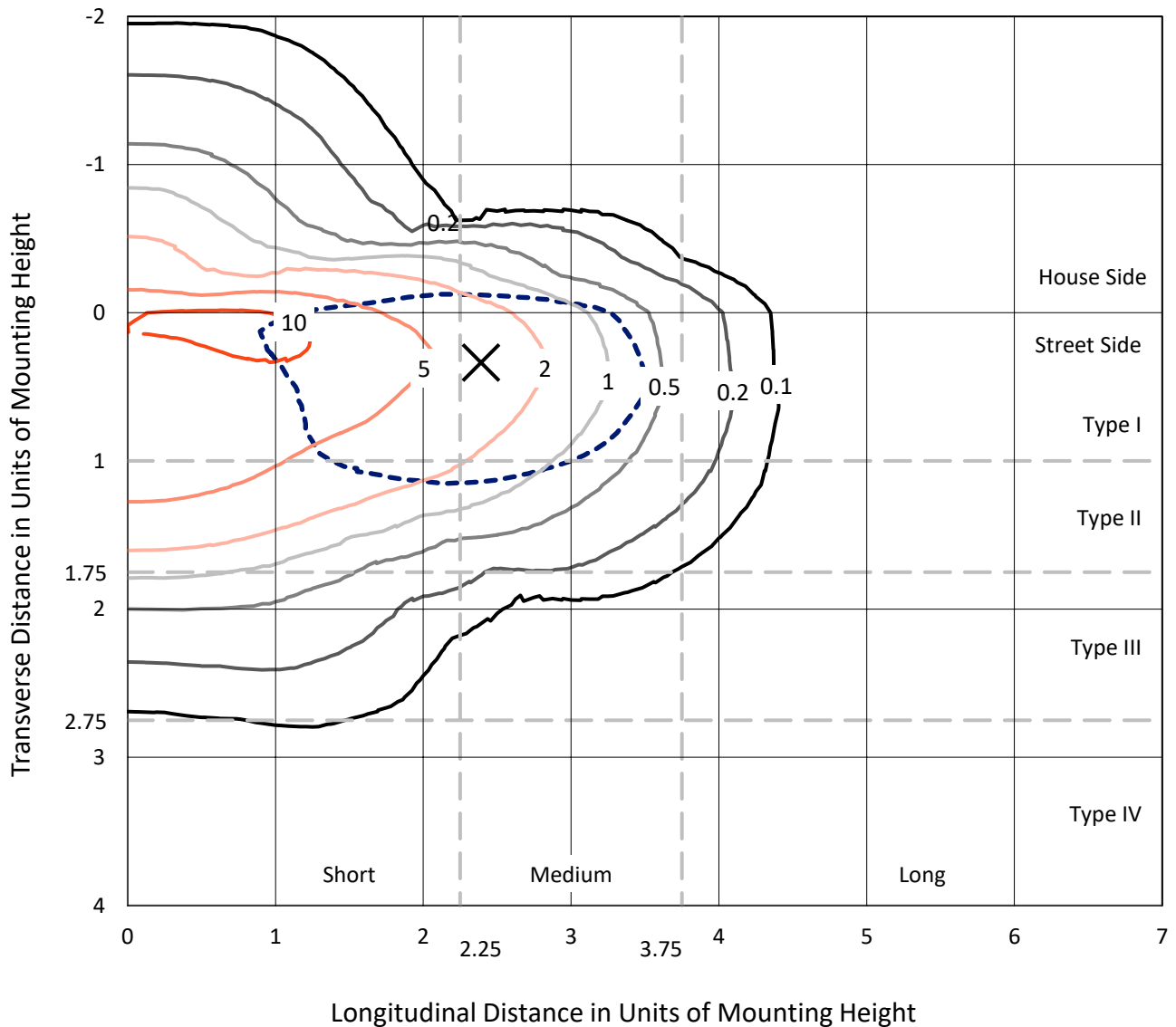
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

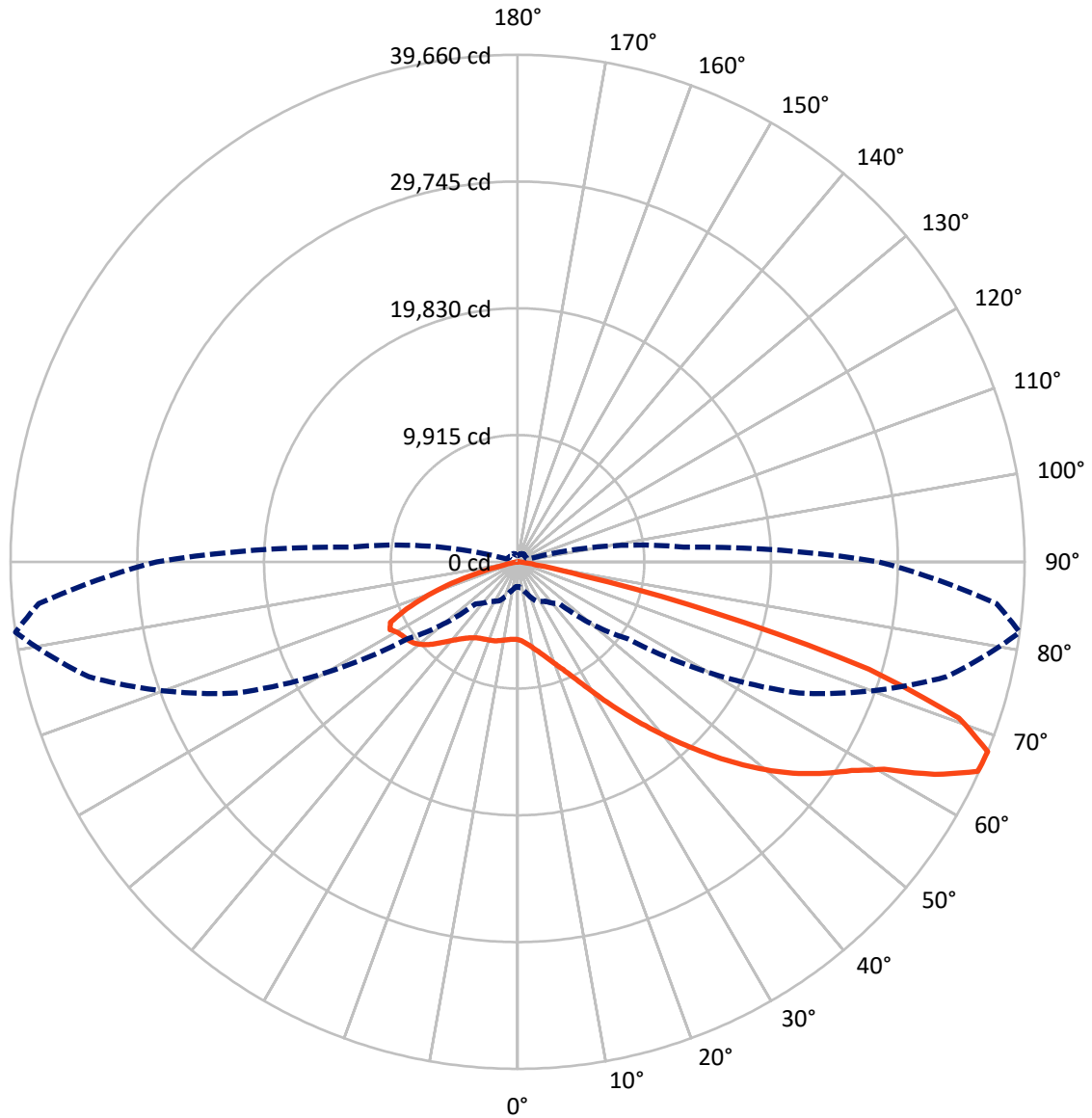
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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	6657.5	0.0	6657.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	30095.5	0.0	30095.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	36753.0	0.0	36753.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.5	1.5
10°-20°	1409.6	3.8
20°-30°	2257.8	6.1
30°-40°	3992.5	10.9
40°-50°	6995.2	19.0
50°-60°	9329.6	25.4
60°-70°	8685.4	23.6
70°-80°	3333.4	9.1
80°-90°	207.0	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°	36753.0	100.0
0°-180°	36753.0	100.0

Coefficient of Utilization

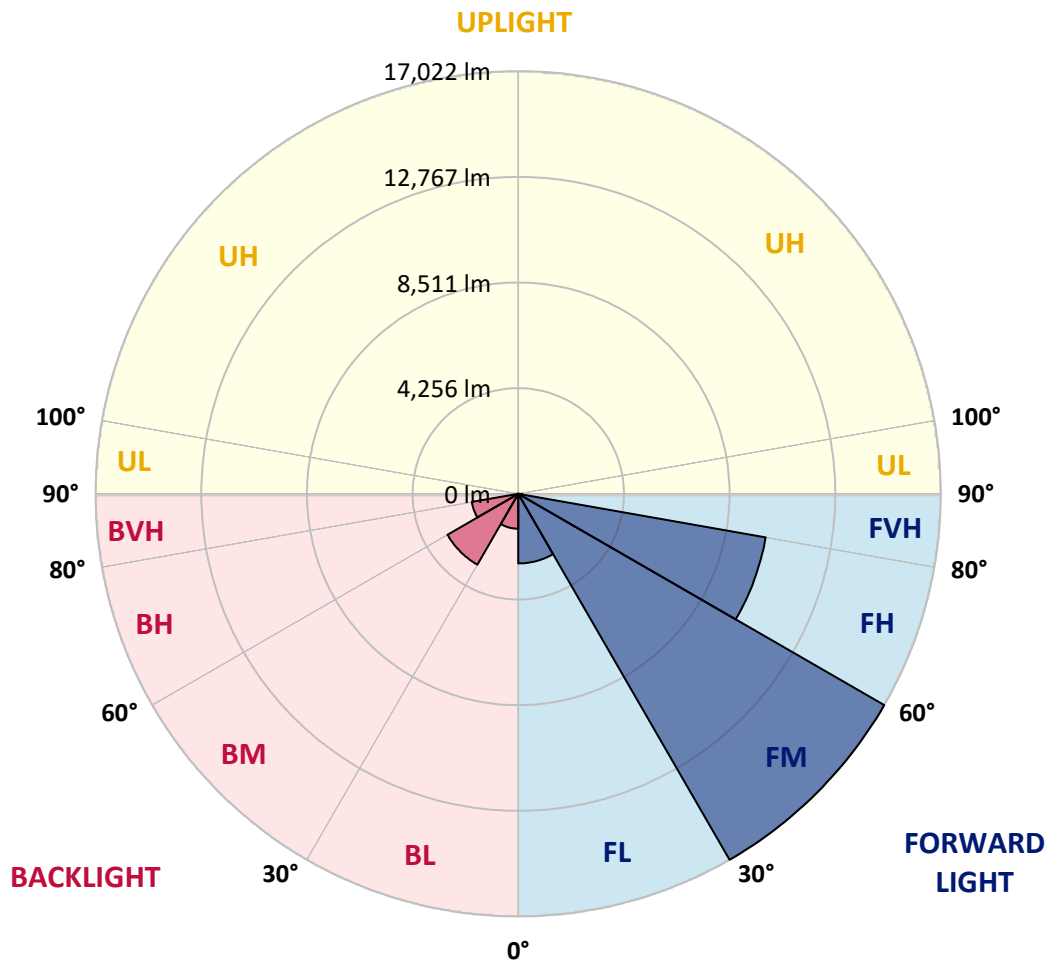


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2803.8	7.6			
FM (30°-60°)	17022.5	46.3			
FH (60°-80°)	10118.7	27.5			G4/12000
FVH (80°-90°)	150.5	0.4			G2/225
BL (0°-30°)	1406.0	3.8	B3/2500		
BM (30°-60°)	3294.8	9.0	B3/5000		
BH (60°-80°)	1900.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	56.5	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°	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7
2.5°	6435.4	6472.4	6451.2	6440.7	6422.1	6395.7	6374.5	6308.4	6239.6	6194.6
5°	6565.0	6602.1	6599.4	6610.0	6623.2	6631.2	6625.9	6551.8	6453.9	6377.2
7.5°	6453.9	6496.2	6530.6	6583.6	6676.2	6774.1	6821.7	6805.8	6705.3	6599.4
10°	6139.0	6184.0	6266.0	6390.4	6586.2	6797.9	6975.2	7057.2	6993.7	6877.3
12.5°	5562.1	5607.1	5768.5	6038.5	6366.6	6734.4	7073.1	7292.7	7308.6	7192.2
15°	4913.8	4958.8	5130.8	5469.5	5969.7	6559.7	7126.0	7541.4	7681.7	7581.1
17.5°	4511.6	4551.3	4681.0	4953.5	5474.8	6210.4	7107.5	7806.1	8126.2	8046.9
20°	4389.9	4424.3	4485.2	4675.7	5109.7	5847.9	6985.8	8054.8	8605.2	8560.2
22.5°	4519.6	4551.3	4569.9	4654.5	4927.1	5609.8	6832.3	8308.8	9160.9	9166.2
25°	4818.6	4850.3	4829.2	4882.1	5001.2	5535.7	6774.1	8607.8	9859.5	9917.7
27.5°	5310.8	5313.4	5263.1	5260.5	5279.0	5646.8	6834.9	8928.0	10740.6	10849.1
30°	6297.8	6258.1	6064.9	5855.9	5760.6	5980.2	7004.3	9306.4	11780.5	11973.7
32.5°	7819.3	7761.1	7406.5	6906.4	6403.6	6517.4	7308.6	9737.7	12913.1	13262.4
35°	9470.5	9454.6	9084.1	8340.6	7462.1	7282.1	7803.4	10304.0	14148.8	14704.5
37.5°	11005.2	10997.3	10785.6	9909.7	8840.7	8348.5	8597.3	11044.9	15471.9	16276.3
40°	12407.7	12431.5	12219.8	11436.5	10359.6	9716.6	9676.9	11960.5	16943.1	17988.3
42.5°	13619.6	13646.1	13431.7	12852.2	11859.9	11230.1	11002.6	13082.4	18380.0	19827.4
45°	14442.5	14606.6	14574.8	14111.8	13400.0	12746.4	12595.5	14490.2	20017.9	21777.6
47.5°	14675.4	14826.2	15064.4	15127.9	14693.9	14050.9	14230.8	16186.3	21674.4	23730.4
50°	14101.2	14241.4	14736.3	15395.1	15696.8	15498.3	15821.2	18004.2	23370.6	25678.0
52.5°	12968.6	13111.5	13736.0	14778.6	16009.0	16633.5	17416.8	19795.6	25013.8	27522.3
55°	11330.7	11481.5	12283.3	13463.5	15413.7	17101.9	18747.8	21584.4	26519.4	29181.4
57.5°	9102.7	9213.8	10047.3	11698.5	13916.0	16636.2	19729.5	23537.3	27937.8	30811.5
60°	5932.6	6030.5	6999.0	8840.7	11433.9	15080.3	19925.3	25715.0	29821.8	32931.0
62.5°	3945.4	4011.5	4585.7	5937.9	8052.2	12092.8	18779.5	27453.5	32584.4	36619.7
65°	2707.0	2773.1	3347.3	4289.4	5202.3	7999.2	15485.1	27223.3	35087.6	39548.9
67.5°	1931.7	1987.2	2474.1	3363.2	3765.4	4646.6	10497.2	24280.8	34727.7	39660.1
70°	1383.9	1415.7	1817.9	2619.7	2992.8	2791.7	5837.3	18570.5	30406.6	36622.3
72.5°	968.5	979.1	1262.2	1995.2	2410.6	2037.5	2778.4	12381.2	22997.5	28744.8
75°	656.2	669.5	849.4	1463.3	1934.3	1555.9	1471.2	6639.1	13500.5	15911.1
77.5°	402.2	407.5	547.7	1000.2	1447.4	1185.5	947.3	2812.8	5223.4	5128.2
80°	227.6	227.6	349.3	621.8	987.0	764.7	664.2	1196.0	1653.8	1452.7
82.5°	127.0	129.7	254.0	386.3	653.6	452.5	365.2	553.0	714.5	632.4
85°	52.9	58.2	156.1	182.6	312.2	224.9	148.2	232.9	264.6	235.5
87.5°	5.3	7.9	47.6	34.4	37.0	45.0	21.2	45.0	37.0	37.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6088.7	0°	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7	6088.7
6178.7	2.5°	6128.4	6088.7	5988.2	5871.7	5718.3	5644.2	5543.6	5474.8	5416.6	5421.9
6332.2	5°	6247.5	6146.9	5922.0	5641.5	5292.2	5043.5	4778.9	4596.3	4448.1	4416.4
6543.9	7.5°	6411.6	6252.8	5858.5	5353.1	4763.0	4315.8	3916.3	3659.6	3477.0	3418.8
6800.5	10°	6623.2	6393.0	5776.5	4990.6	4141.2	3572.3	3143.6	2942.5	2818.1	2775.8
7102.2	12.5°	6869.3	6554.4	5668.0	4548.7	3500.8	2953.1	2680.5	2580.0	2540.3	2527.0
7472.7	15°	7178.9	6755.6	5503.9	4024.8	2958.4	2574.7	2458.2	2445.0	2450.3	2445.0
7917.2	17.5°	7546.7	6975.2	5236.7	3484.9	2593.2	2381.5	2339.2	2349.8	2363.0	2360.3
8414.7	20°	7949.0	7192.2	4895.3	3006.0	2344.5	2243.9	2220.1	2230.7	2241.3	2236.0
8988.9	22.5°	8406.7	7425.0	4516.9	2632.9	2177.8	2116.9	2090.4	2093.1	2093.1	2082.5
9716.6	25°	8954.5	7681.7	4120.0	2368.3	2050.7	2003.1	1971.4	1960.8	1944.9	1913.1
10600.4	27.5°	9608.1	7954.2	3739.0	2183.1	1950.2	1905.2	1868.2	1841.7	1802.0	1749.1
11661.5	30°	10343.7	8285.0	3416.1	2066.6	1870.8	1825.8	1783.5	1743.8	1685.6	1619.4
12881.3	32.5°	11209.0	8639.6	3180.6	1989.9	1799.4	1751.7	1701.5	1653.8	1590.3	1524.2
14252.0	35°	12241.0	9068.3	3043.0	1937.0	1743.8	1680.3	1624.7	1571.8	1524.2	1466.0
15741.8	37.5°	13360.3	9523.4	3000.7	1910.5	1706.7	1608.8	1545.3	1508.3	1503.0	1468.6
17353.3	40°	14585.4	10063.2	3032.5	1894.6	1667.1	1540.0	1471.2	1463.3	1476.5	1415.7
19075.9	42.5°	15882.0	10703.6	3085.4	1876.1	1611.5	1471.2	1405.1	1405.1	1394.5	1309.8
20896.4	45°	17284.5	11441.8	3138.3	1831.1	1545.3	1402.4	1352.2	1333.6	1288.7	1206.6
22727.5	47.5°	18697.5	12193.3	3178.0	1749.1	1466.0	1344.2	1299.2	1256.9	1190.8	1116.7
24524.3	50°	20039.1	12868.1	3135.7	1627.4	1376.0	1288.7	1241.0	1182.8	1111.4	1061.1
26225.7	52.5°	21237.8	13452.9	2955.7	1484.5	1280.7	1230.4	1188.1	1127.2	1069.0	1016.1
27760.5	55°	22280.4	13926.5	2638.2	1349.5	1196.0	1180.2	1137.8	1061.1	981.7	936.7
29282.0	57.5°	23280.6	14286.4	2241.3	1238.4	1119.3	1124.6	1061.1	992.3	918.2	870.6
31332.7	60°	24611.6	14768.0	1839.1	1135.2	1037.3	1053.2	984.4	934.1	841.5	780.6
34849.4	62.5°	26739.1	15516.9	1460.7	1008.2	942.0	947.3	918.2	857.3	746.2	674.8
37455.9	65°	28427.3	15241.7	1151.1	870.6	833.5	841.5	841.5	775.3	656.2	574.2
37596.1	67.5°	28236.8	13050.7	918.2	735.6	730.3	735.6	754.1	698.6	582.1	516.0
34733.0	70°	26011.4	10380.7	735.6	611.3	635.1	621.8	674.8	637.7	523.9	457.8
26926.9	72.5°	21224.6	7477.9	561.0	505.4	486.9	508.1	608.6	574.2	436.6	362.5
14262.6	75°	12402.4	3990.4	418.1	399.6	351.9	423.4	539.8	489.5	333.4	267.3
4371.4	77.5°	4038.0	1391.9	307.0	293.7	262.0	341.3	460.4	412.8	272.6	211.7
1280.7	80°	1082.3	420.7	209.0	193.2	169.4	254.0	365.2	328.1	195.8	137.6
550.4	82.5°	434.0	177.3	121.7	108.5	92.6	174.6	288.4	264.6	145.5	87.3
172.0	85°	140.2	58.2	45.0	34.4	42.3	108.5	172.0	179.9	103.2	45.0
26.5	87.5°	18.5	7.9	7.9	10.6	7.9	18.5	52.9	50.3	29.1	5.3
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°
6088.7
5369.0
4344.9
3360.6
2744.0
2519.1
2442.4
2355.0
2233.3
2077.2
1907.9
1743.8
1614.1
1526.8
1460.7
1466.0
1418.3
1309.8
1204.0
1114.0
1053.2
1010.8
931.4
865.3
772.7
669.5
566.3
505.4
449.8
354.6
259.3
203.8
135.0
87.3
34.4
0.0
0.0

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