

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: P851396

Luminaire Tested: **GLAN-SB9B-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851396
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-SB9B-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42078 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

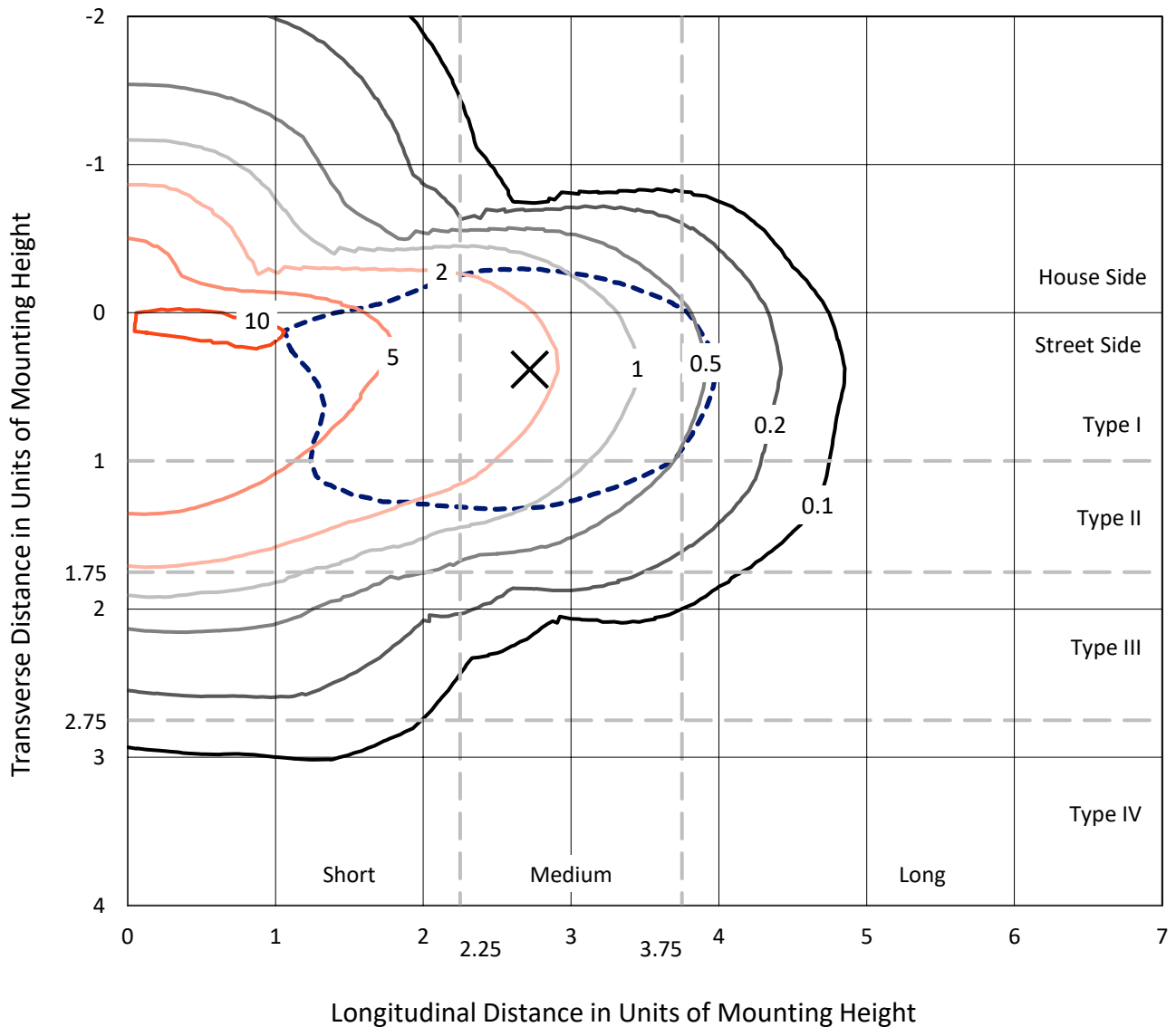
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

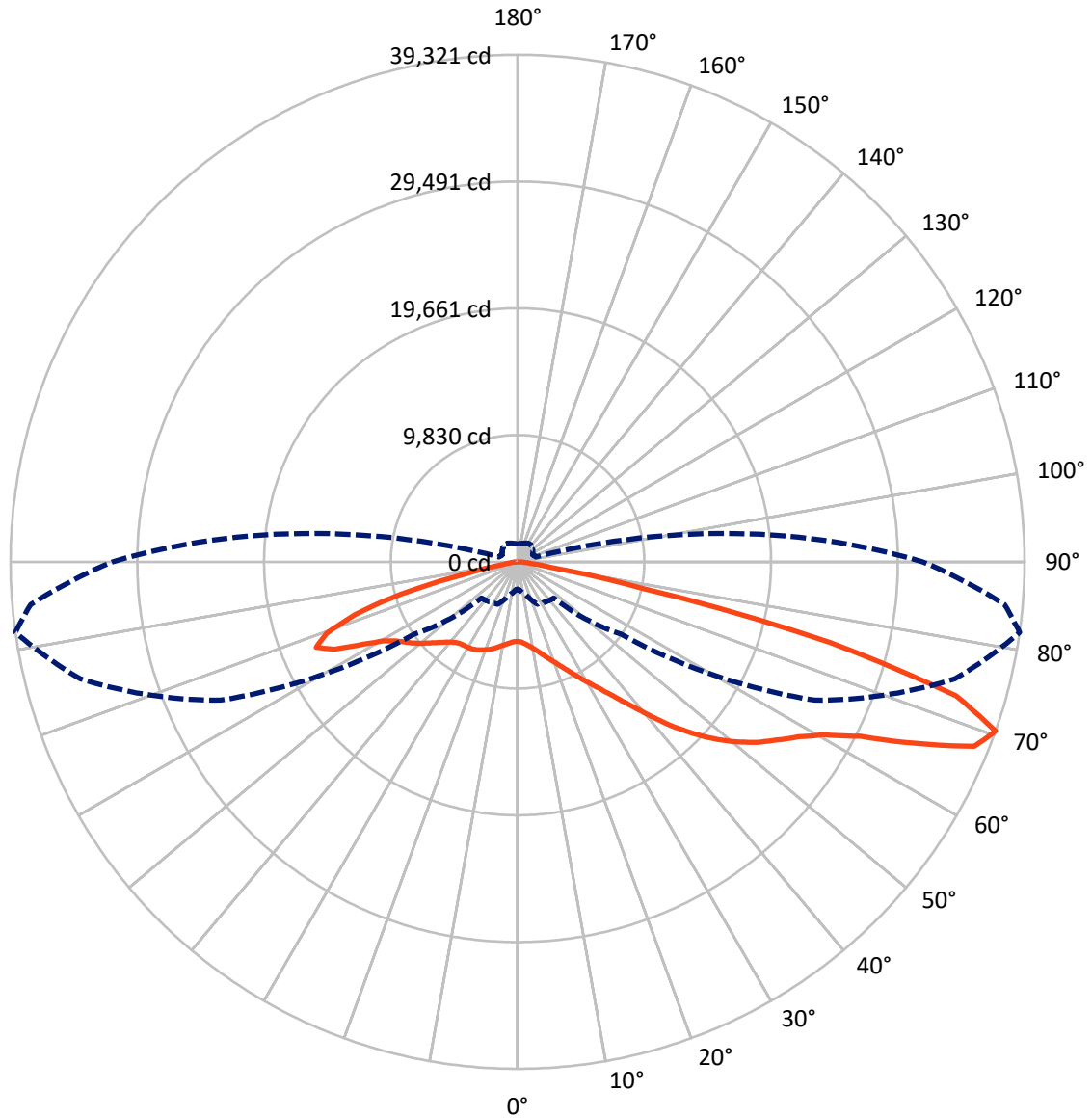
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10373.3	0.0	10373.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	31704.7	0.0	31704.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	42078.0	0.0	42078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.5	1.4
10°-20°	1673.5	4.0
20°-30°	2799.6	6.7
30°-40°	4373.7	10.4
40°-50°	6965.6	16.6
50°-60°	9693.5	23.0
60°-70°	10139.8	24.1
70°-80°	5299.6	12.6
80°-90°	550.3	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°	42078.0	100.0
0°-180°	42078.0	100.0

Coefficient of Utilization

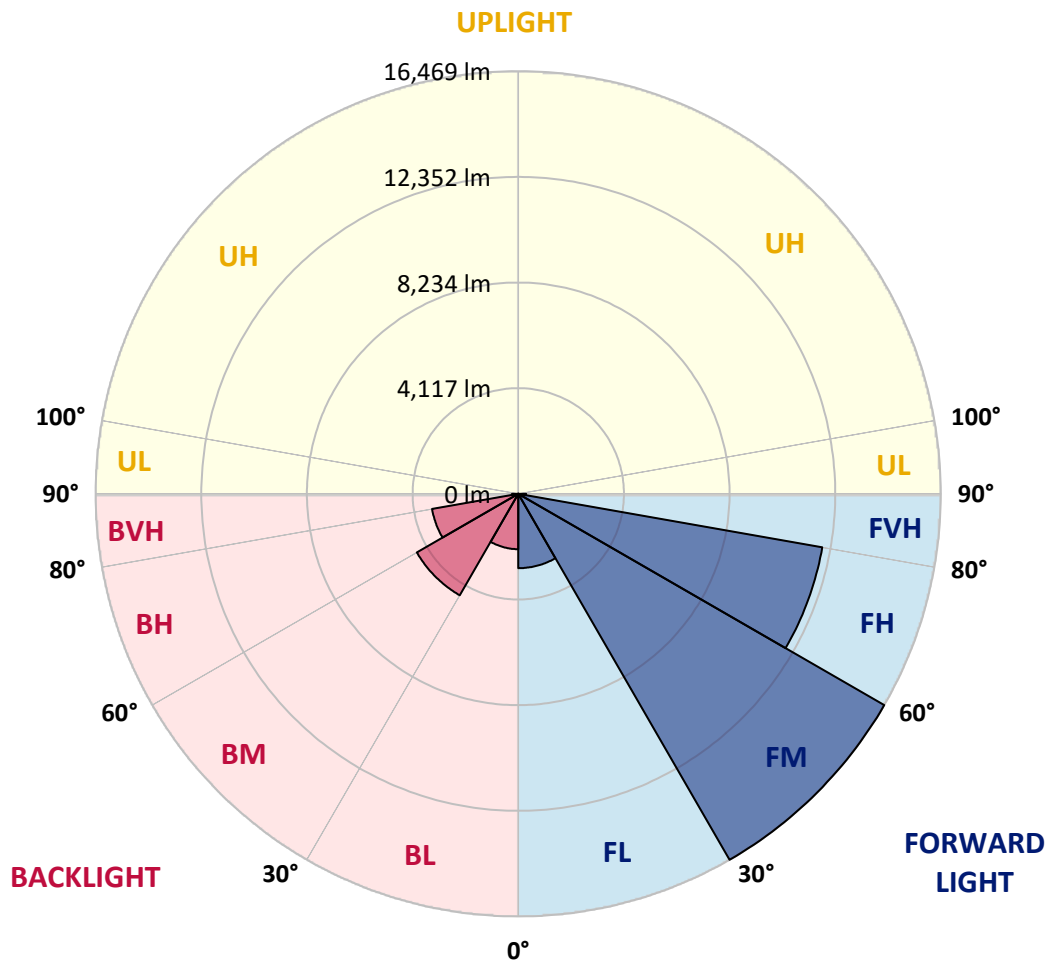


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2897.5	6.9			
FM (30°-60°)	16468.9	39.1			
FH (60°-80°)	12030.2	28.6			G5
FVH (80°-90°)	308.1	0.7			G3/500
BL (0°-30°)	2158.0	5.1	B3/2500		
BM (30°-60°)	4563.8	10.8	B3/5000		
BH (60°-80°)	3409.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	242.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2
2.5°	6316.5	6352.2	6341.1	6329.9	6329.9	6314.3	6312.1	6289.7	6271.9	6242.8
5°	6396.9	6434.9	6430.4	6439.3	6468.4	6475.1	6481.7	6468.4	6432.6	6396.9
7.5°	6325.5	6367.9	6381.3	6434.9	6524.2	6604.6	6664.8	6689.4	6655.9	6604.6
10°	6084.3	6131.2	6178.1	6305.4	6463.9	6653.7	6814.4	6910.4	6903.7	6854.6
12.5°	5595.3	5644.5	5744.9	5992.8	6283.0	6617.9	6917.1	7118.1	7187.3	7151.6
15°	5204.6	5247.0	5322.9	5577.5	5954.8	6463.9	6955.1	7345.8	7522.2	7502.1
17.5°	5193.4	5211.3	5258.2	5378.8	5669.0	6222.7	6914.9	7569.1	7906.3	7904.0
20°	5389.9	5396.6	5423.4	5448.0	5613.2	6039.7	6812.2	7754.4	8337.2	8337.2
22.5°	5662.3	5657.9	5684.6	5662.3	5742.7	6024.0	6747.5	7917.4	8817.2	8853.0
25°	6070.9	6048.6	6041.9	5990.5	6006.2	6169.2	6818.9	8102.7	9386.6	9460.3
27.5°	6615.7	6580.0	6555.4	6437.1	6396.9	6468.4	7037.7	8326.0	10020.7	10148.0
30°	7325.7	7261.0	7225.3	7019.8	6874.7	6885.9	7368.2	8623.0	10683.8	10889.3
32.5°	8294.8	8194.3	8098.3	7761.1	7495.4	7408.4	7794.6	9033.8	11402.8	11731.0
35°	9379.9	9299.5	9196.8	8676.6	8268.0	8067.0	8370.7	9607.6	12244.5	12764.8
37.5°	10424.8	10355.6	10404.7	9703.6	9176.7	8884.2	9125.4	10377.9	13282.8	14050.9
40°	11505.5	11451.9	11458.6	10788.8	10174.8	9846.5	10040.8	11344.7	14472.9	15580.3
42.5°	12679.9	12639.7	12505.8	11911.9	11221.9	10916.0	11094.7	12461.1	15750.0	17321.9
45°	13995.0	13970.5	13845.4	13164.4	12374.0	12030.2	12271.3	13693.6	17033.9	18960.7
47.5°	15131.5	15151.6	15136.0	14562.2	13742.7	13238.1	13526.2	14979.7	18228.4	20501.4
50°	15678.6	15783.5	15937.6	15758.9	15249.9	14736.3	14792.1	16221.1	19367.1	21946.0
52.5°	15392.8	15591.5	16011.2	16297.0	16493.5	16386.3	16236.7	17453.6	20438.8	23249.9
55°	14327.7	14606.8	15303.4	15993.4	16995.9	17775.1	17971.6	18820.1	21483.8	24397.5
57.5°	12387.4	12840.7	13465.9	14861.4	16549.3	18447.2	19994.5	20715.7	22591.2	25623.3
60°	9060.6	9667.9	10444.9	12521.4	14986.4	18087.7	21716.0	23627.2	24165.3	27210.8
62.5°	5798.5	6173.6	6888.1	8844.0	11677.4	16245.7	22242.9	27266.7	26833.5	29814.3
65°	3969.9	4211.0	4865.2	5963.7	7549.0	12092.7	20831.8	29995.1	31071.3	33940.4
67.5°	2884.7	3067.8	3626.0	4588.4	4918.8	7156.0	16165.3	29870.1	35190.8	38191.6
70°	2103.3	2232.8	2701.7	3626.0	3784.6	3981.0	9793.0	25391.1	35101.5	39321.4
72.5°	1558.5	1647.8	1962.6	2813.3	3063.4	2688.3	4847.4	18453.9	30162.6	35565.9
75°	1127.6	1194.5	1426.7	2152.4	2451.6	2047.5	2418.1	10784.3	21039.5	25018.3
77.5°	861.9	913.2	1065.0	1576.3	1962.6	1536.2	1500.4	4961.2	9976.0	10025.2
80°	692.2	725.7	808.3	1109.7	1504.9	1149.9	978.0	2002.8	3152.7	2668.2
82.5°	509.1	564.9	683.2	779.2	1076.2	792.6	596.2	1011.4	1199.0	1031.5
85°	290.3	328.2	413.1	558.2	687.7	484.5	341.6	448.8	558.2	457.7
87.5°	102.7	134.0	145.1	218.8	299.2	200.9	131.7	129.5	183.1	136.2
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°
6169.2	0°	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2	6169.2
6236.1	2.5°	6213.8	6202.7	6158.0	6097.7	6035.2	5974.9	5954.8	5912.4	5883.4	5867.7
6381.3	5°	6338.9	6303.1	6198.2	6064.2	5923.6	5771.7	5664.6	5566.3	5494.9	5427.9
6580.0	7.5°	6517.5	6455.0	6274.1	6039.7	5789.6	5537.3	5349.7	5206.8	5110.8	5048.3
6812.2	10°	6725.1	6629.1	6352.2	6001.7	5615.4	5253.7	5032.7	4909.9	4849.6	4816.1
7077.9	12.5°	6964.0	6827.8	6432.6	5914.6	5349.7	4936.7	4784.8	4749.1	4751.3	4753.6
7412.8	15°	7258.8	7069.0	6497.4	5724.8	5003.7	4693.3	4666.5	4724.6	4784.8	4813.9
7792.4	17.5°	7591.4	7323.5	6508.5	5412.2	4664.3	4537.0	4621.8	4746.9	4838.4	4878.6
8216.6	20°	7948.7	7582.5	6428.2	4970.2	4385.2	4409.7	4561.6	4722.3	4822.8	4874.2
8701.1	22.5°	8357.3	7859.4	6236.1	4505.7	4157.4	4271.3	4449.9	4606.2	4711.2	4762.5
9270.5	25°	8823.9	8169.7	5934.7	4115.0	3960.9	4115.0	4293.6	4423.1	4508.0	4554.9
9906.8	27.5°	9341.9	8493.5	5532.8	3804.7	3789.0	3954.2	4101.6	4202.1	4246.7	4282.5
10583.4	30°	9862.2	8788.2	5046.1	3570.2	3639.4	3795.7	3900.7	3945.3	3958.7	3965.4
11338.0	32.5°	10424.8	9042.7	4534.8	3376.0	3496.5	3641.7	3704.2	3724.3	3661.8	3619.3
12253.5	35°	11105.8	9315.1	4034.6	3221.9	3355.9	3480.9	3501.0	3483.1	3409.4	3322.4
13401.1	37.5°	11947.6	9654.5	3635.0	3112.5	3224.1	3306.7	3282.2	3277.7	3284.4	3181.7
14781.0	40°	12979.1	10096.6	3342.5	3027.6	3117.0	3134.8	3065.6	3103.6	3137.1	2980.8
16294.8	42.5°	14124.5	10630.2	3157.1	2969.6	3027.6	2985.2	2878.0	2920.5	2916.0	2710.6
17815.3	45°	15292.3	11210.8	3092.4	2927.2	2945.0	2860.2	2741.8	2753.0	2659.2	2473.9
19273.3	47.5°	16453.3	11833.7	3132.6	2891.4	2842.3	2746.3	2654.8	2605.6	2467.2	2328.8
20671.0	50°	17592.0	12487.9	3279.9	2820.0	2701.7	2645.8	2578.9	2491.8	2344.4	2226.1
21992.8	52.5°	18648.1	13146.6	3445.2	2701.7	2525.3	2558.8	2516.3	2415.9	2270.7	2150.2
23243.2	55°	19648.4	13805.3	3509.9	2538.7	2360.0	2482.8	2458.3	2273.0	2098.8	2000.6
24551.6	57.5°	20738.0	14597.9	3438.5	2331.0	2226.1	2395.8	2302.0	2096.6	1996.1	1922.4
26255.2	60°	22247.4	15841.5	3284.4	2074.2	2098.8	2266.3	2105.5	2020.7	1911.3	1828.6
28809.5	62.5°	24754.8	18161.4	3036.6	1819.7	1949.2	2074.2	2011.7	1926.9	1815.2	1734.9
33176.8	65°	28461.2	21385.5	2569.9	1621.0	1781.8	1886.7	1911.3	1826.4	1710.3	1625.5
37003.8	67.5°	31587.1	23408.4	1944.7	1455.8	1609.8	1734.9	1804.1	1721.5	1598.7	1516.1
37899.1	70°	31415.2	21939.3	1484.8	1292.8	1458.0	1585.3	1674.6	1609.8	1478.1	1400.0
34424.9	72.5°	27903.0	18353.4	1201.2	1127.6	1303.9	1429.0	1536.2	1487.0	1353.1	1277.1
25219.2	75°	20499.1	13028.2	960.1	960.1	1111.9	1266.0	1384.3	1353.1	1230.3	1176.7
10587.8	77.5°	8640.8	5465.8	752.4	797.1	924.4	1087.4	1234.7	1245.9	1138.7	1205.7
2799.9	80°	2297.5	1507.1	573.8	627.4	725.7	897.6	1074.0	1069.5	953.4	890.9
1040.5	82.5°	875.2	593.9	408.6	442.1	524.7	687.7	850.7	877.5	761.4	658.7
408.6	85°	337.1	254.5	252.3	265.7	305.9	455.5	643.0	665.4	573.8	486.7
113.9	87.5°	87.1	75.9	93.8	89.3	140.7	243.4	368.4	381.8	350.5	203.2
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°
6169.2
5885.6
5454.7
5061.7
4825.0
4758.0
4811.6
4887.5
4887.5
4775.9
4568.3
4295.9
3981.0
3632.7
3326.8
3188.4
2985.2
2708.4
2480.6
2328.8
2217.1
2152.4
1991.6
1915.7
1824.2
1734.9
1629.9
1518.3
1406.6
1277.1
1161.0
1094.1
828.4
658.7
502.4
290.3
0.0

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