

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: P853052

Luminaire Tested: **GLAN-SB8B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28545 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

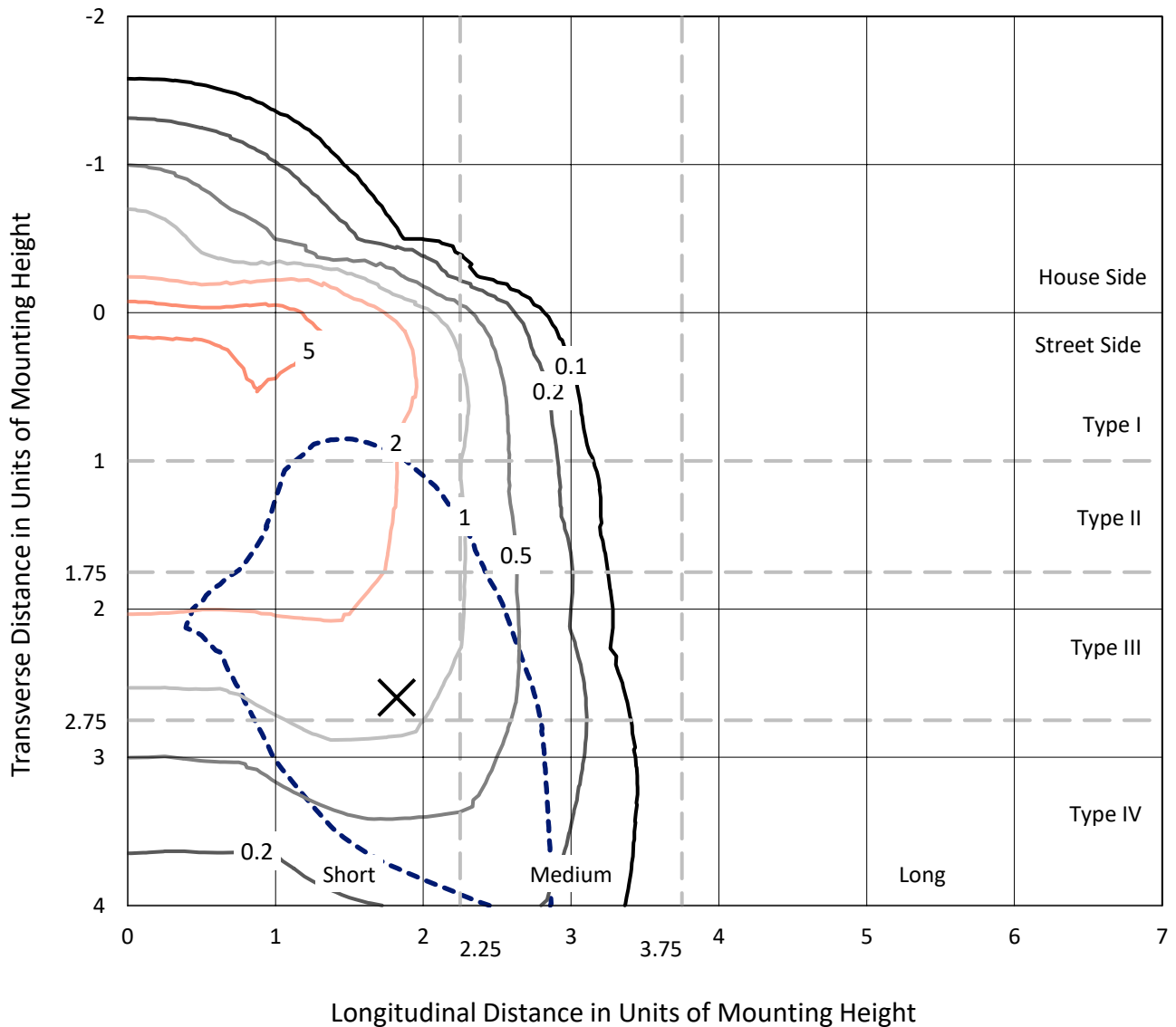
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

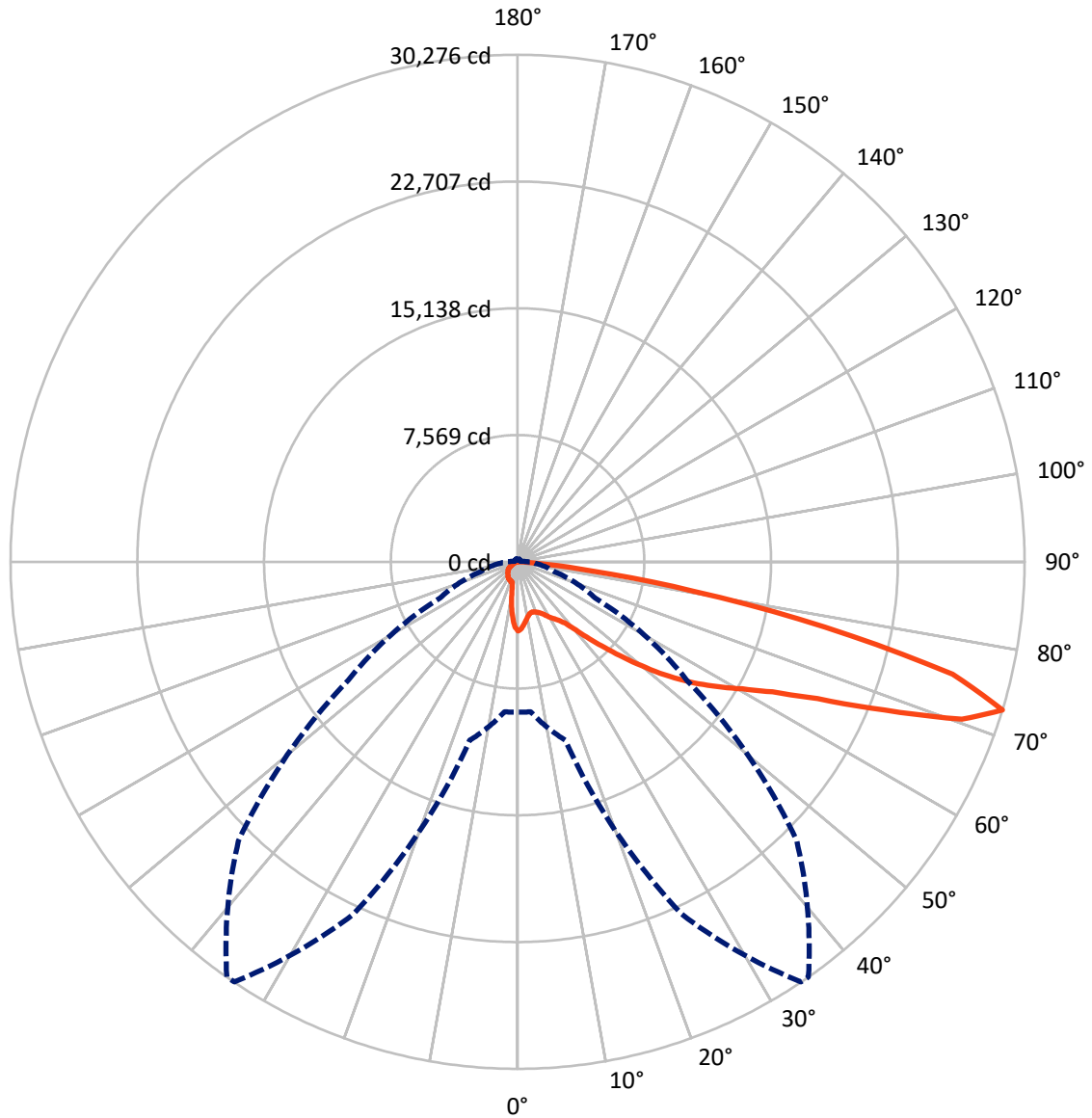
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3212.6	0.0	3212.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	25332.4	0.0	25332.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	28545.0	0.0	28545.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.0	1.2
10°-20°	795.3	2.8
20°-30°	1291.9	4.5
30°-40°	2155.6	7.6
40°-50°	4078.4	14.3
50°-60°	6480.6	22.7
60°-70°	8017.0	28.1
70°-80°	4983.4	17.5
80°-90°	402.7	1.4
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°	28545.0	100.0
0°-180°	28545.0	100.0

Coefficient of Utilization



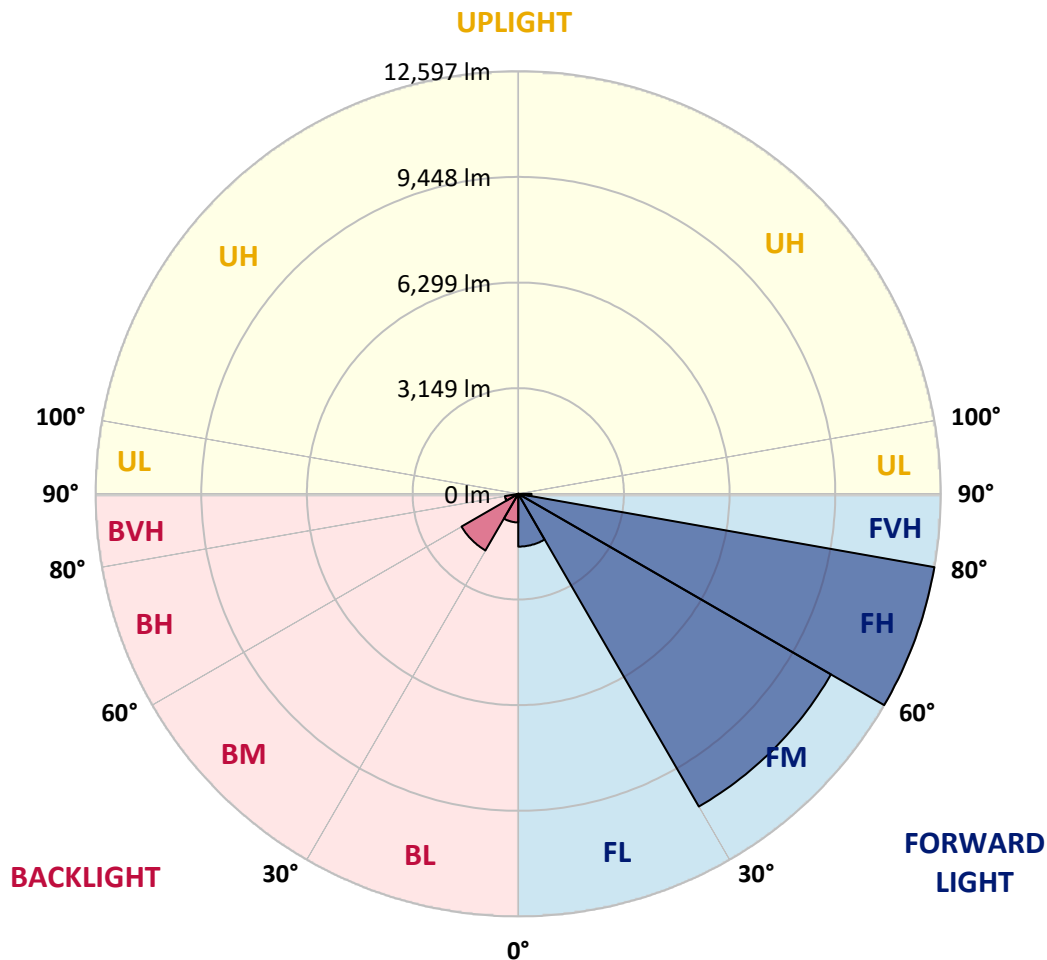
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1573.6	5.5			
FM (30°-60°)	10764.3	37.7			
FH (60°-80°)	12597.3	44.1			G5
FVH (80°-90°)	397.3	1.4			G3/500
BL (0°-30°)	853.7	3.0	B2/1000		
BM (30°-60°)	1950.3	6.8	B2/2500		
BH (60°-80°)	403.1	1.4	B1/500		G1/500
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1
2.5°	3953.1	3986.5	3992.8	4003.3	4003.3	4015.8	4036.7	4066.0	4114.1	4139.2
5°	3643.5	3668.6	3700.0	3725.1	3773.2	3779.5	3861.0	3940.5	4051.4	4135.0
7.5°	3331.9	3361.2	3403.0	3463.6	3526.4	3545.2	3668.6	3802.5	3978.2	4135.0
10°	3112.3	3114.3	3152.0	3212.7	3313.0	3336.1	3486.6	3677.0	3896.6	4109.9
12.5°	2988.9	3003.5	3020.2	3066.2	3162.5	3177.1	3338.1	3561.9	3815.0	4095.3
15°	2988.9	2999.3	3009.8	3032.8	3110.2	3122.7	3264.9	3488.7	3773.2	4101.6
17.5°	3020.2	3037.0	3028.6	3055.8	3137.4	3145.7	3271.2	3467.8	3771.1	4141.3
20°	3095.5	3108.1	3091.3	3108.1	3189.6	3206.4	3336.1	3507.6	3806.7	4210.3
22.5°	3214.7	3221.0	3181.3	3193.8	3277.5	3298.4	3449.0	3620.5	3892.4	4321.2
25°	3365.3	3377.9	3317.2	3331.9	3411.4	3436.5	3610.1	3789.9	4028.4	4473.9
27.5°	3538.9	3545.2	3492.9	3490.8	3593.3	3628.9	3804.6	3999.1	4210.3	4666.3
30°	3737.6	3756.5	3706.3	3697.9	3827.6	3856.9	4030.5	4256.3	4478.1	4954.9
32.5°	3894.5	3909.1	3879.9	3900.8	4032.5	4055.6	4304.5	4620.3	4898.5	5364.9
35°	4120.4	4128.8	4061.8	4099.5	4250.1	4308.6	4678.8	5130.6	5427.6	5879.4
37.5°	4938.2	4938.2	4653.7	4467.6	4611.9	4664.2	5191.3	5772.7	6080.2	6569.6
40°	6069.7	6050.9	5634.7	5254.0	5235.2	5337.7	5921.2	6582.2	6923.1	7397.9
42.5°	7276.6	7247.3	6680.5	6304.0	6241.2	6276.8	6764.1	7579.9	7927.1	8408.1
45°	8347.5	8339.1	7820.4	7314.2	7201.3	7314.2	7816.2	8747.0	8995.8	9502.0
47.5°	9244.7	9244.7	8866.2	8535.7	8477.1	8544.1	9240.6	10041.6	10018.6	10667.0
50°	10278.0	10269.6	9909.9	9767.6	9828.3	9922.4	10880.4	11405.3	11077.0	11811.1
52.5°	11001.7	11051.9	10928.5	10905.5	11215.0	11378.1	12545.2	12739.8	12024.4	12896.6
55°	11574.8	11633.3	11775.5	11936.6	12532.7	12746.0	14157.8	14005.2	12817.1	13837.8
57.5°	12386.3	12302.6	12522.2	12840.2	13804.4	14061.6	15720.2	15199.4	13455.1	14601.3
60°	13371.4	13384.0	13421.6	13823.2	15074.0	15404.4	17259.6	16328.9	13865.0	15069.8
62.5°	14555.2	14574.1	14651.5	15268.5	16778.6	17090.2	18899.4	17253.4	14053.3	14938.0
65°	14473.7	14553.2	15417.0	17527.4	19370.0	19677.5	20813.2	17901.8	13768.8	13733.3
67.5°	13185.3	13314.9	14760.2	20225.5	23277.1	23620.1	23126.5	18029.3	12541.1	10679.6
70°	11495.3	11541.3	13279.4	22651.7	27801.2	28148.4	25197.2	16625.9	9516.6	5956.8
72.5°	8977.0	8987.5	11026.8	23214.3	30256.7	30275.5	23572.0	12342.4	5118.1	2288.2
75°	6412.8	6350.0	7385.3	18826.2	26619.4	26832.8	17671.7	5789.5	1955.6	1081.3
77.5°	3438.5	3507.6	4179.0	11164.8	18389.1	18753.0	9642.1	1669.1	995.6	736.2
80°	1062.5	1121.1	1713.0	5111.8	10416.0	10635.6	3574.5	742.5	694.4	525.0
82.5°	334.7	347.2	799.0	2148.0	4323.3	4423.7	1035.3	420.4	474.8	347.2
85°	96.2	98.3	355.6	801.1	1068.8	1089.7	290.7	163.1	271.9	215.4
87.5°	10.5	33.5	133.9	133.9	94.1	92.0	31.4	35.6	77.4	27.2
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°
4137.1	0°	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1	4137.1
4156.0	2.5°	4145.5	4147.6	4120.4	4074.4	4024.2	3982.4	3930.1	3888.2	3858.9	3850.6
4193.6	5°	4174.8	4160.1	4082.7	3942.6	3775.3	3631.0	3469.9	3342.3	3258.7	3223.1
4233.3	7.5°	4218.7	4176.9	4007.5	3731.4	3411.4	3126.9	2838.3	2614.5	2472.2	2401.1
4271.0	10°	4256.3	4172.7	3882.0	3426.0	2936.6	2505.7	2116.7	1846.9	1696.3	1625.2
4314.9	12.5°	4291.9	4170.6	3718.8	3064.2	2401.1	1874.0	1512.2	1378.3	1336.5	1321.9
4386.0	15°	4358.8	4176.9	3513.8	2650.0	1867.8	1416.0	1284.2	1282.1	1290.5	1286.3
4494.8	17.5°	4450.9	4183.1	3281.7	2210.8	1441.1	1248.7	1242.4	1261.2	1273.8	1267.5
4630.7	20°	4570.1	4208.2	3034.9	1775.7	1238.2	1206.8	1221.5	1238.2	1248.7	1238.2
4812.7	22.5°	4737.4	4252.2	2765.1	1426.5	1173.4	1181.7	1194.3	1213.1	1223.6	1208.9
5044.9	25°	4942.4	4321.2	2499.4	1240.3	1142.0	1152.5	1171.3	1192.2	1204.7	1190.1
5337.7	27.5°	5208.0	4432.0	2254.7	1198.5	1110.6	1116.9	1144.1	1175.5	1192.2	1173.4
5753.9	30°	5592.9	4614.0	2043.5	1217.3	1091.8	1077.2	1114.8	1158.7	1177.6	1160.8
6320.7	32.5°	6103.2	4871.3	1913.8	1246.6	1083.4	1031.1	1066.7	1123.2	1154.5	1144.1
7061.1	35°	6772.5	5262.4	1863.6	1280.0	1077.2	983.0	1008.1	1068.8	1123.2	1133.6
7994.0	37.5°	7584.0	5806.2	1878.2	1294.7	1058.3	943.3	955.8	1008.1	1079.3	1112.7
9044.0	40°	8506.4	6439.9	1961.9	1280.0	1037.4	909.8	911.9	951.7	1014.4	1064.6
10173.4	42.5°	9458.1	7180.4	2116.7	1225.7	1018.6	880.6	874.3	901.5	943.3	978.9
11300.8	45°	10363.7	7941.7	2269.4	1150.4	995.6	851.3	836.6	847.1	855.5	870.1
12398.8	47.5°	11154.3	8477.1	2225.4	1081.3	964.2	817.8	792.7	788.5	763.4	761.3
13379.8	50°	11700.2	8594.3	1976.5	1012.3	918.2	780.2	740.4	715.3	671.4	650.5
14113.9	52.5°	11873.8	8132.0	1614.7	943.3	842.9	730.0	673.5	633.7	579.4	560.5
14536.4	55°	11643.8	7226.4	1290.5	859.6	738.3	663.0	600.3	548.0	504.1	481.1
14582.4	57.5°	11081.1	6073.9	1020.7	761.3	627.5	587.7	525.0	472.7	435.0	412.0
14072.1	60°	10148.3	4823.2	807.3	644.2	535.4	506.2	441.3	407.9	374.4	347.2
12754.4	62.5°	8732.3	3442.7	633.7	510.3	447.6	414.1	376.5	351.4	311.6	274.0
10384.7	65°	6814.3	2106.2	489.4	374.4	359.8	343.0	320.0	297.0	248.9	211.2
6774.6	67.5°	4298.2	997.7	349.3	282.4	284.5	276.1	265.6	246.8	211.2	177.8
3034.9	70°	1892.9	483.2	230.1	215.4	211.2	211.2	219.6	213.3	179.9	148.5
1054.2	72.5°	644.2	259.4	171.5	163.1	152.7	150.6	184.1	177.8	144.3	115.0
525.0	75°	336.7	173.6	125.5	117.1	92.0	110.9	146.4	138.0	102.5	75.3
347.2	77.5°	219.6	123.4	85.8	75.3	52.3	73.2	108.8	96.2	60.7	37.6
228.0	80°	138.0	81.6	50.2	35.6	25.1	39.7	58.6	41.8	23.0	8.4
133.9	82.5°	73.2	41.8	18.8	12.5	10.5	12.5	14.6	10.5	4.2	0.0
69.0	85°	29.3	14.6	6.3	4.2	2.1	0.0	4.2	2.1	0.0	0.0
12.5	87.5°	10.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4137.1
3865.2
3235.7
2411.6
1627.2
1317.7
1284.2
1265.4
1236.1
1206.8
1188.0
1173.4
1158.7
1144.1
1133.6
1121.1
1081.3
993.5
878.5
759.2
652.6
558.4
481.1
407.9
340.9
267.7
205.0
173.6
142.2
108.8
69.0
33.5
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