

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: P853048

Luminaire Tested: **GLAN-SB8B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853048
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-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 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: 27488 lumens
Efficiency: N/A
Efficacy: 93.9 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

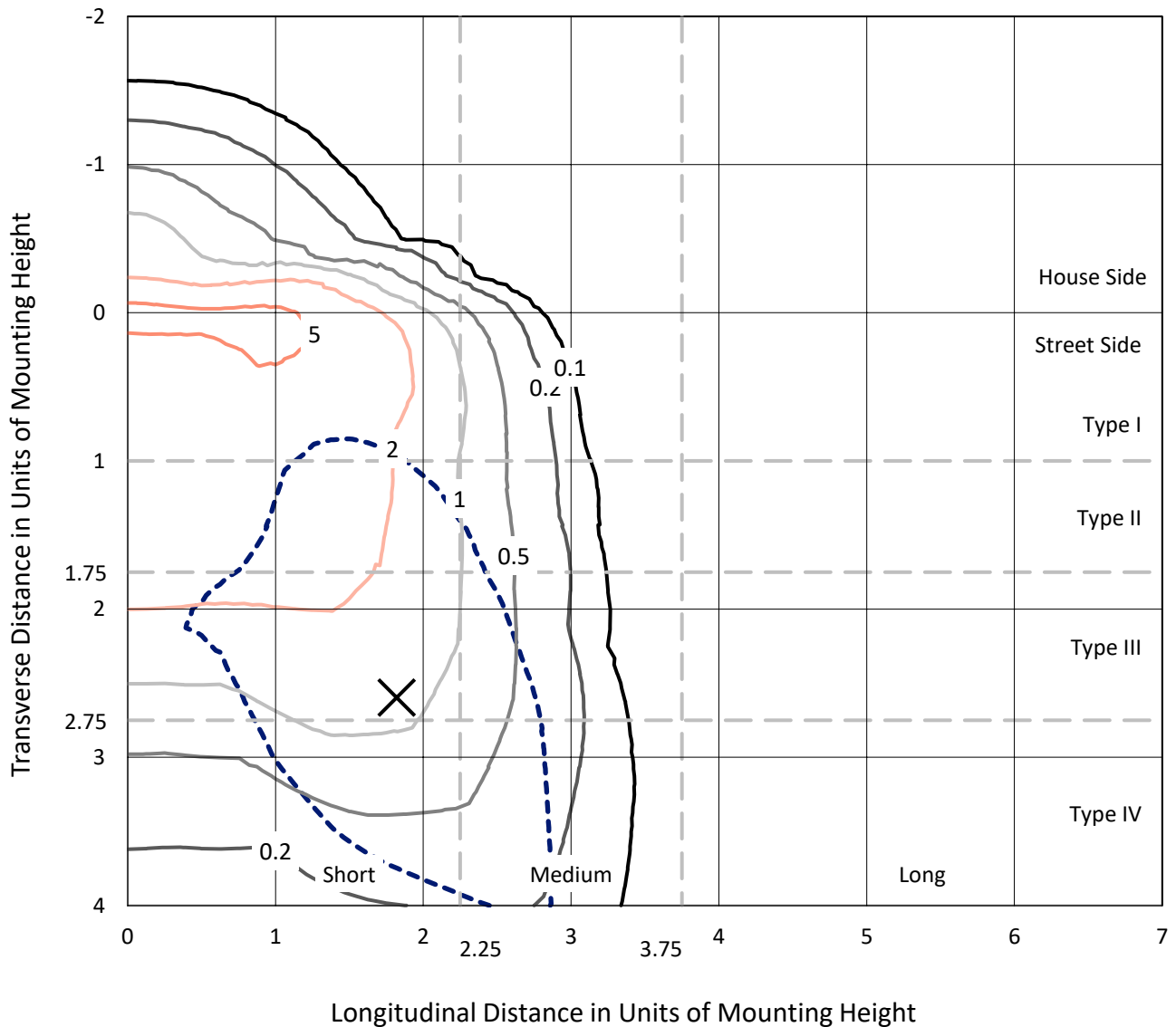
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

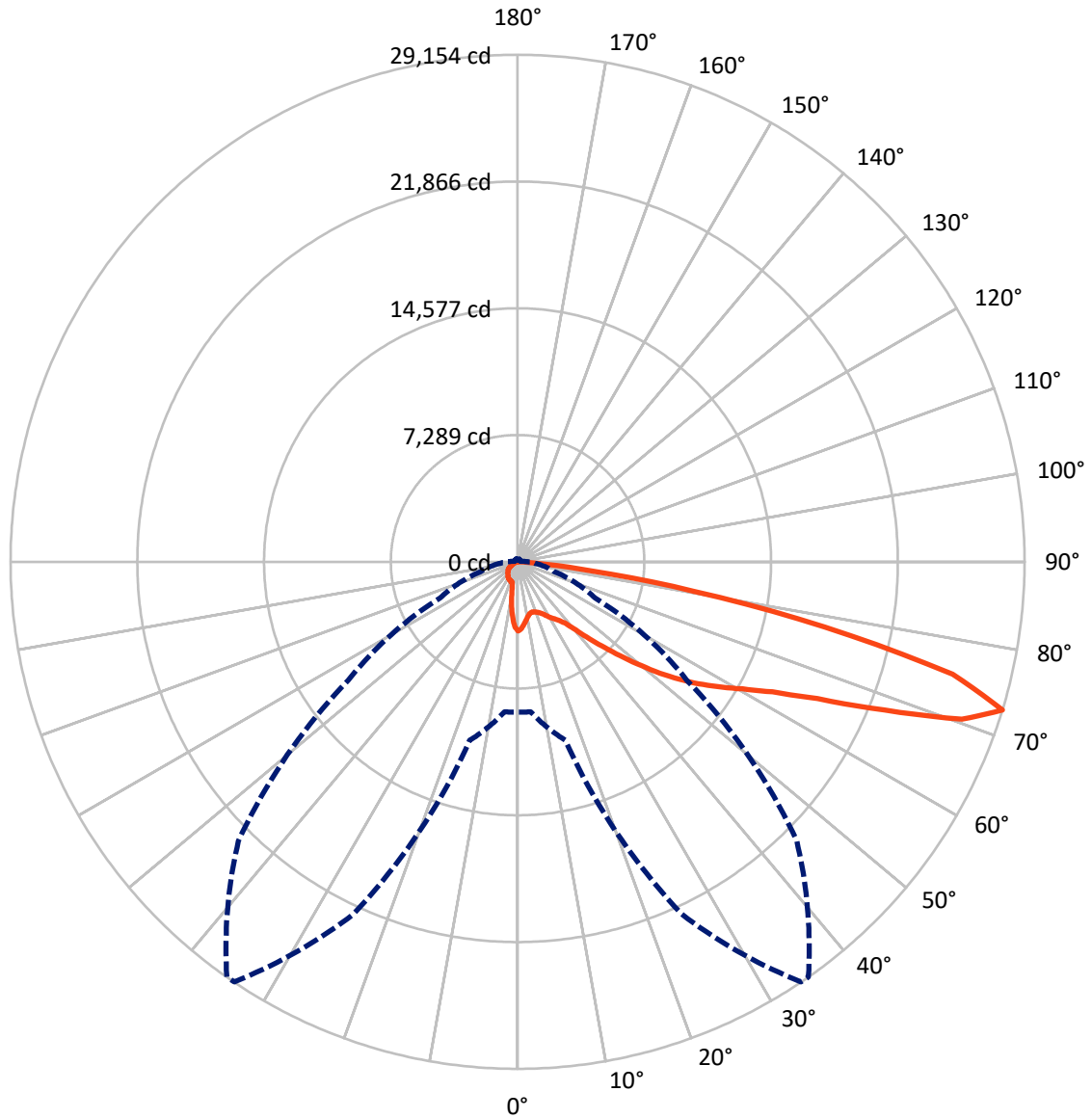
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	3093.6	0.0	3093.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	24394.3	0.0	24394.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	27488.0	0.0	27488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	1.2
10°-20°	765.9	2.8
20°-30°	1244.1	4.5
30°-40°	2075.8	7.6
40°-50°	3927.4	14.3
50°-60°	6240.6	22.7
60°-70°	7720.1	28.1
70°-80°	4798.9	17.5
80°-90°	387.8	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°	27488.0	100.0
0°-180°	27488.0	100.0

Coefficient of Utilization



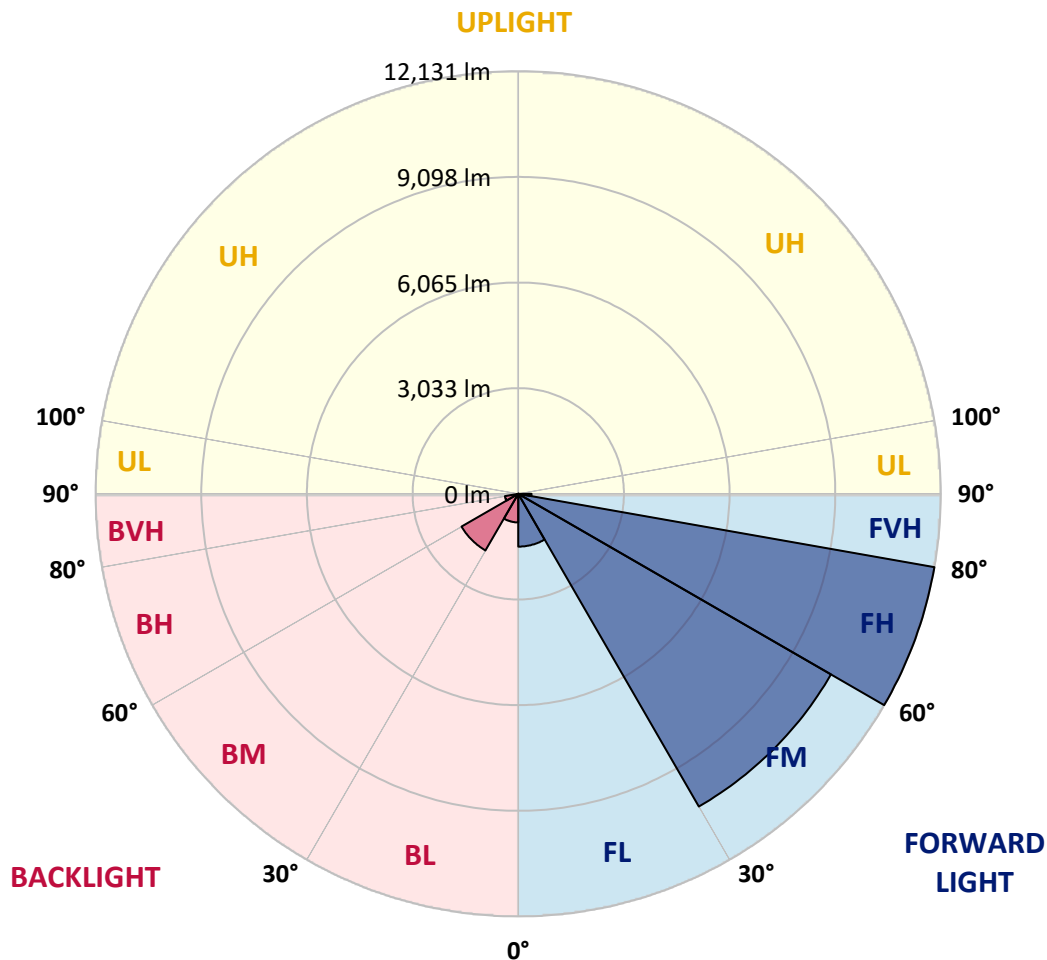
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1515.3	5.5			
FM	(30°-60°)	10365.7	37.7			
FH	(60°-80°)	12130.8	44.1			G5
FVH	(80°-90°)	382.5	1.4			G3/500
BL	(0°-30°)	822.0	3.0	B2/1000		
BM	(30°-60°)	1878.1	6.8	B2/2500		
BH	(60°-80°)	388.2	1.4	B1/500		G1/500
BVH	(80°-90°)	5.3	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°	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9
2.5°	3806.7	3838.9	3845.0	3855.0	3855.0	3867.1	3887.3	3915.5	3961.8	3985.9
5°	3508.6	3532.8	3563.0	3587.2	3633.5	3639.5	3718.1	3794.6	3901.4	3981.9
7.5°	3208.5	3236.7	3277.0	3335.4	3395.8	3413.9	3532.8	3661.7	3830.9	3981.9
10°	2997.0	2999.0	3035.3	3093.7	3190.4	3212.5	3357.5	3540.8	3752.3	3957.7
12.5°	2878.2	2892.3	2908.4	2952.7	3045.4	3059.5	3214.5	3430.0	3673.8	3943.7
15°	2878.2	2888.3	2898.3	2920.5	2995.0	3007.1	3144.0	3359.6	3633.5	3949.7
17.5°	2908.4	2924.5	2916.4	2942.6	3021.2	3029.2	3150.1	3339.4	3631.5	3988.0
20°	2980.9	2993.0	2976.9	2993.0	3071.5	3087.6	3212.5	3377.7	3665.7	4054.4
22.5°	3095.7	3101.7	3063.5	3075.6	3156.1	3176.3	3321.3	3486.4	3748.3	4161.2
25°	3240.7	3252.8	3194.4	3208.5	3285.0	3309.2	3476.4	3649.6	3879.2	4308.2
27.5°	3407.9	3413.9	3363.6	3361.6	3460.3	3494.5	3663.7	3851.0	4054.4	4493.5
30°	3599.2	3617.4	3569.0	3561.0	3685.8	3714.0	3881.2	4098.7	4312.2	4771.5
32.5°	3750.3	3764.4	3736.2	3756.3	3883.2	3905.4	4145.1	4449.2	4717.1	5166.2
35°	3967.8	3975.9	3911.4	3947.7	4092.7	4149.1	4505.6	4940.6	5226.6	5661.7
37.5°	4755.3	4755.3	4481.4	4302.2	4441.1	4491.5	4999.1	5559.0	5855.1	6326.4
40°	5845.0	5826.9	5426.0	5059.5	5041.3	5140.0	5702.0	6338.4	6666.7	7123.9
42.5°	7007.1	6978.9	6433.1	6070.6	6010.1	6044.4	6513.7	7299.2	7633.5	8096.8
45°	8038.4	8030.3	7530.8	7043.4	6934.6	7043.4	7526.8	8423.1	8662.7	9150.2
47.5°	8902.4	8902.4	8537.9	8219.6	8163.2	8227.7	8898.4	9669.8	9647.6	10272.0
50°	9897.4	9889.3	9542.9	9405.9	9464.4	9555.0	10477.5	10983.0	10666.8	11373.7
52.5°	10594.3	10642.6	10523.8	10501.6	10799.7	10956.8	12080.7	12268.0	11579.2	12419.1
55°	11146.1	11202.5	11339.5	11494.6	12068.6	12274.1	13633.6	13486.6	12342.5	13325.4
57.5°	11927.6	11847.1	12058.5	12364.7	13293.2	13540.9	15138.1	14636.6	12956.8	14060.6
60°	12876.3	12888.4	12924.6	13311.3	14515.8	14834.0	16620.5	15724.2	13351.6	14511.7
62.5°	14016.3	14034.4	14108.9	14703.1	16157.3	16457.4	18199.6	16614.5	13532.9	14384.9
65°	13937.7	14014.3	14846.1	16878.3	18652.8	18948.9	20042.5	17238.9	13259.0	13224.7
67.5°	12697.0	12821.9	14213.7	19476.6	22415.2	22745.5	22270.1	17361.7	12076.7	10284.1
70°	11069.6	11113.9	12787.7	21812.9	26771.7	27106.1	24264.1	16010.3	9164.3	5736.2
72.5°	8644.6	8654.7	10618.4	22354.7	29136.3	29154.4	22699.2	11885.3	4928.6	2203.4
75°	6175.3	6114.9	7111.9	18129.1	25633.7	25839.2	17017.3	5575.1	1883.2	1041.3
77.5°	3311.2	3377.7	4024.2	10751.4	17708.2	18058.6	9285.1	1607.3	958.7	709.0
80°	1023.2	1079.6	1649.6	4922.5	10030.3	10241.8	3442.1	715.0	668.7	505.5
82.5°	322.3	334.3	769.4	2068.5	4163.2	4259.9	997.0	404.8	457.2	334.3
85°	92.6	94.7	342.4	771.4	1029.2	1049.4	280.0	157.1	261.8	207.5
87.5°	10.1	32.2	128.9	128.9	90.6	88.6	30.2	34.2	74.5	26.2
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°
3983.9	0°	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9	3983.9
4002.1	2.5°	3992.0	3994.0	3967.8	3923.5	3875.2	3834.9	3784.5	3744.3	3716.1	3708.0
4038.3	5°	4020.2	4006.1	3931.6	3796.6	3635.5	3496.5	3341.4	3218.6	3138.0	3103.8
4076.6	7.5°	4062.5	4022.2	3859.1	3593.2	3285.0	3011.1	2733.2	2517.7	2380.7	2312.2
4112.8	10°	4098.7	4018.2	3738.2	3299.1	2827.8	2412.9	2038.3	1778.5	1633.5	1565.0
4155.1	12.5°	4133.0	4016.2	3581.1	2950.7	2312.2	1804.7	1456.2	1327.3	1287.0	1272.9
4223.6	15°	4197.4	4022.2	3383.7	2551.9	1798.6	1363.6	1236.7	1234.7	1242.7	1238.7
4328.3	17.5°	4286.1	4028.2	3160.2	2128.9	1387.7	1202.4	1196.4	1214.5	1226.6	1220.6
4459.3	20°	4400.9	4052.4	2922.5	1710.0	1192.4	1162.1	1176.2	1192.4	1202.4	1192.4
4634.5	22.5°	4562.0	4094.7	2662.7	1373.6	1129.9	1138.0	1150.1	1168.2	1178.3	1164.2
4858.1	25°	4759.4	4161.2	2406.9	1194.4	1099.7	1109.8	1127.9	1148.0	1160.1	1146.0
5140.0	27.5°	5015.2	4267.9	2171.2	1154.1	1069.5	1075.5	1101.7	1131.9	1148.0	1129.9
5540.8	30°	5385.8	4443.2	1967.8	1172.2	1051.4	1037.3	1073.5	1115.8	1134.0	1117.8
6086.7	32.5°	5877.2	4690.9	1842.9	1200.4	1043.3	993.0	1027.2	1081.6	1111.8	1101.7
6799.7	35°	6521.7	5067.5	1794.6	1232.6	1037.3	946.6	970.8	1029.2	1081.6	1091.7
7698.0	37.5°	7303.2	5591.2	1808.7	1246.7	1019.1	908.4	920.5	970.8	1039.3	1071.5
8709.1	40°	8191.4	6201.5	1889.2	1232.6	999.0	876.1	878.2	916.4	976.8	1025.2
9796.7	42.5°	9107.9	6914.5	2038.3	1180.3	980.9	847.9	841.9	868.1	908.4	942.6
10882.3	45°	9980.0	7647.6	2185.3	1107.8	958.7	819.7	805.6	815.7	823.8	837.9
11939.7	47.5°	10741.3	8163.2	2143.0	1041.3	928.5	787.5	763.4	759.3	735.2	733.1
12884.3	50°	11267.0	8276.0	1903.3	974.8	884.2	751.3	713.0	688.8	646.5	626.4
13591.3	52.5°	11434.2	7830.9	1554.9	908.4	811.7	702.9	648.5	610.3	557.9	539.8
13998.1	55°	11212.6	6958.8	1242.7	827.8	711.0	638.5	578.1	527.7	485.4	463.2
14042.5	57.5°	10670.8	5849.0	982.9	733.1	604.2	566.0	505.5	455.2	418.9	396.8
13551.0	60°	9772.5	4644.6	777.5	620.3	515.6	487.4	425.0	392.8	360.5	334.3
12282.1	62.5°	8409.0	3315.2	610.3	491.4	431.0	398.8	362.5	338.4	300.1	263.8
10000.1	65°	6562.0	2028.2	471.3	360.5	346.4	330.3	308.2	286.0	239.7	203.4
6523.7	67.5°	4139.0	960.7	336.4	271.9	273.9	265.9	255.8	237.7	203.4	171.2
2922.5	70°	1822.8	465.3	221.6	207.5	203.4	203.4	211.5	205.4	173.2	143.0
1015.1	72.5°	620.3	249.8	165.2	157.1	147.0	145.0	177.2	171.2	139.0	110.8
505.5	75°	324.3	167.2	120.8	112.8	88.6	106.7	141.0	132.9	98.7	72.5
334.3	77.5°	211.5	118.8	82.6	72.5	50.4	70.5	104.7	92.6	58.4	36.3
219.5	80°	132.9	78.6	48.3	34.2	24.2	38.3	56.4	40.3	22.2	8.1
128.9	82.5°	70.5	40.3	18.1	12.1	10.1	12.1	14.1	10.1	4.0	0.0
66.5	85°	28.2	14.1	6.0	4.0	2.0	0.0	4.0	2.0	0.0	0.0
12.1	87.5°	10.1	2.0	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°
3983.9
3722.1
3115.8
2322.3
1567.0
1268.9
1236.7
1218.5
1190.3
1162.1
1144.0
1129.9
1115.8
1101.7
1091.7
1079.6
1041.3
956.7
845.9
731.1
628.4
537.8
463.2
392.8
328.3
257.8
197.4
167.2
137.0
104.7
66.5
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