

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: P850717

Luminaire Tested: **GLAN-SB8B-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29568 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

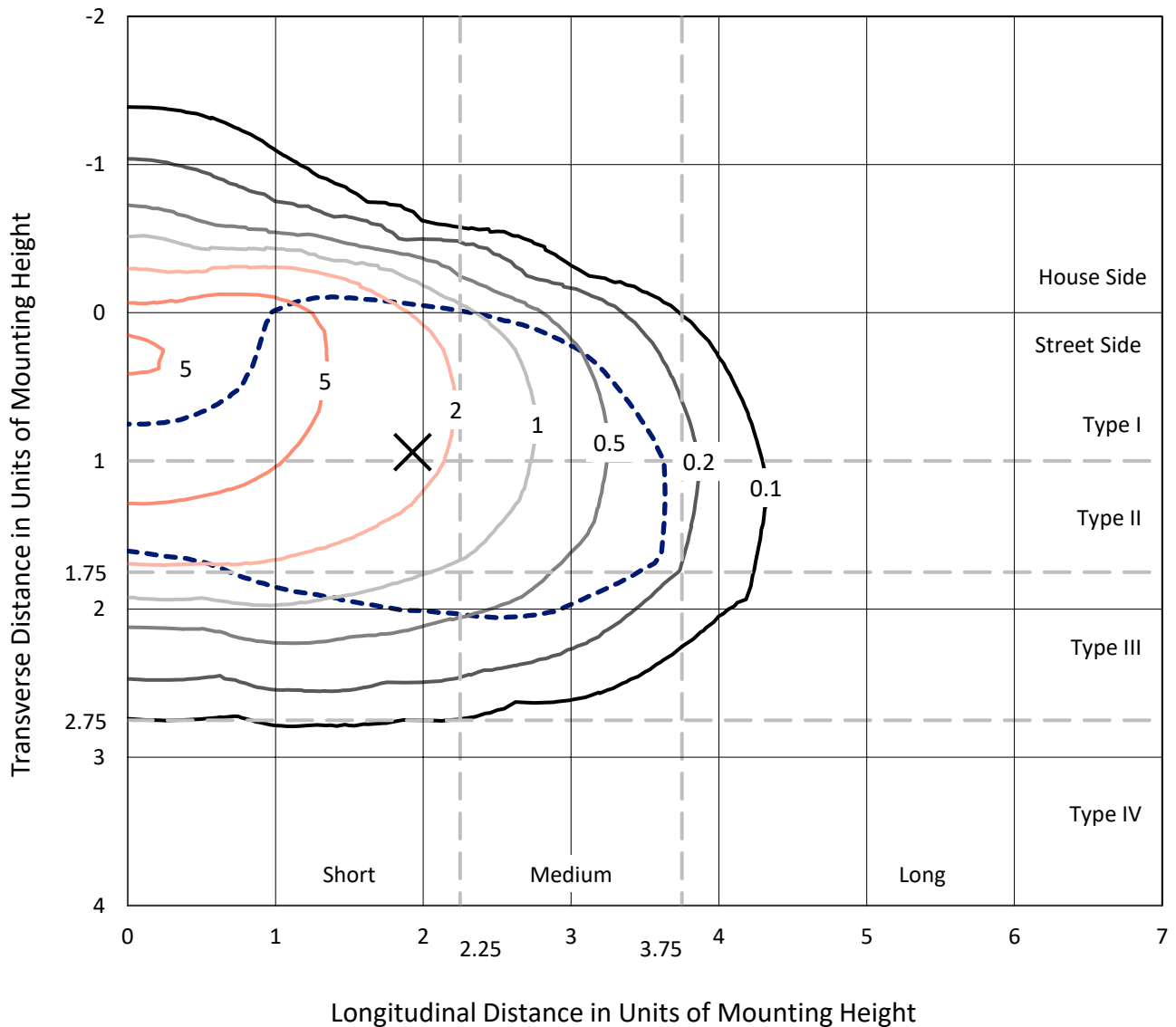
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

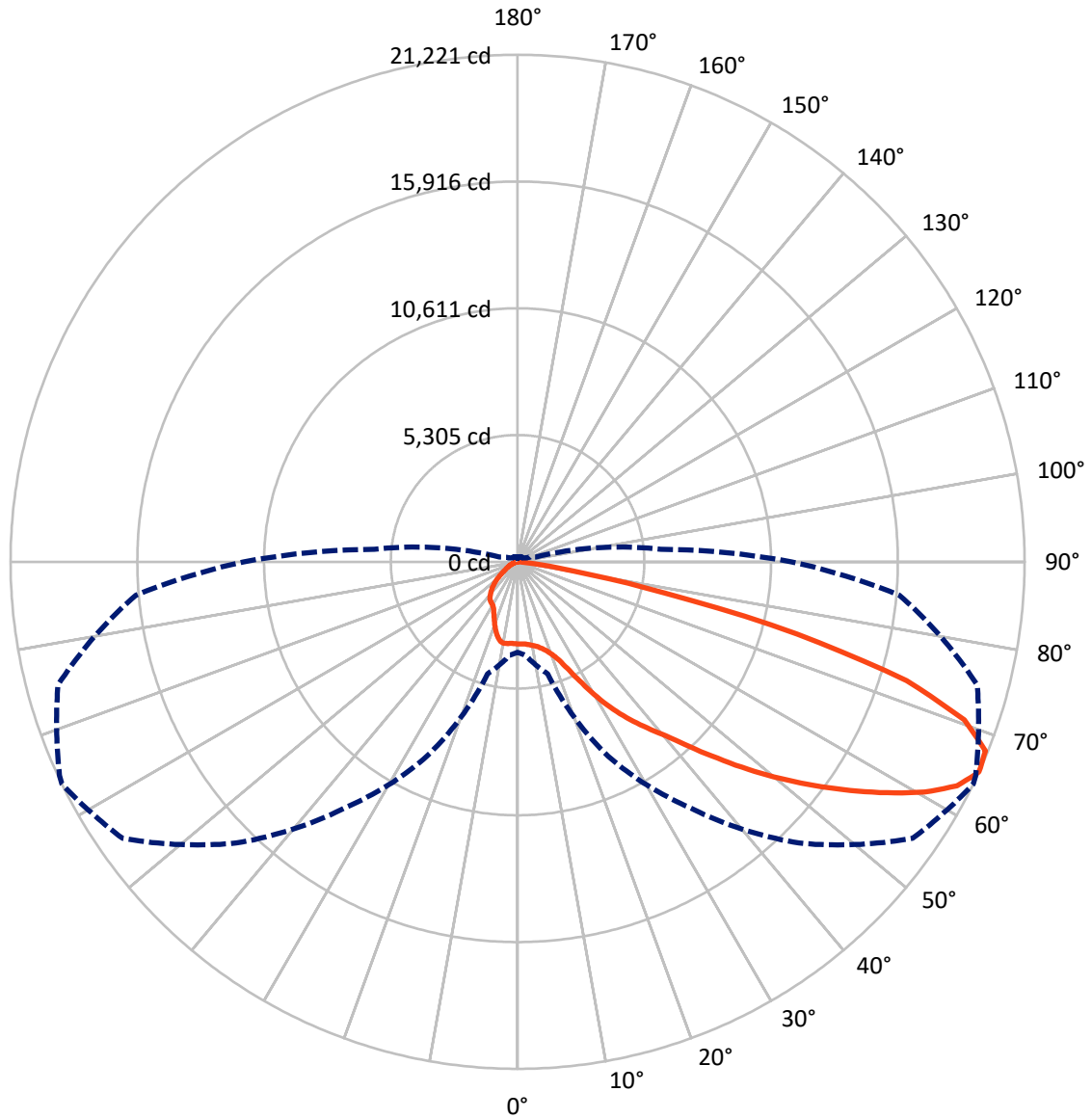
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3954.1	0.0	3954.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	25613.9	0.0	25613.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	29568.0	0.0	29568.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.3	1.1
10°-20°	860.6	2.9
20°-30°	1630.7	5.5
30°-40°	3299.8	11.2
40°-50°	5621.2	19.0
50°-60°	7644.5	25.9
60°-70°	7178.5	24.3
70°-80°	2876.0	9.7
80°-90°	139.3	0.5
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°	29568.0	100.0
0°-180°	29568.0	100.0

**Coefficient of Utilization**



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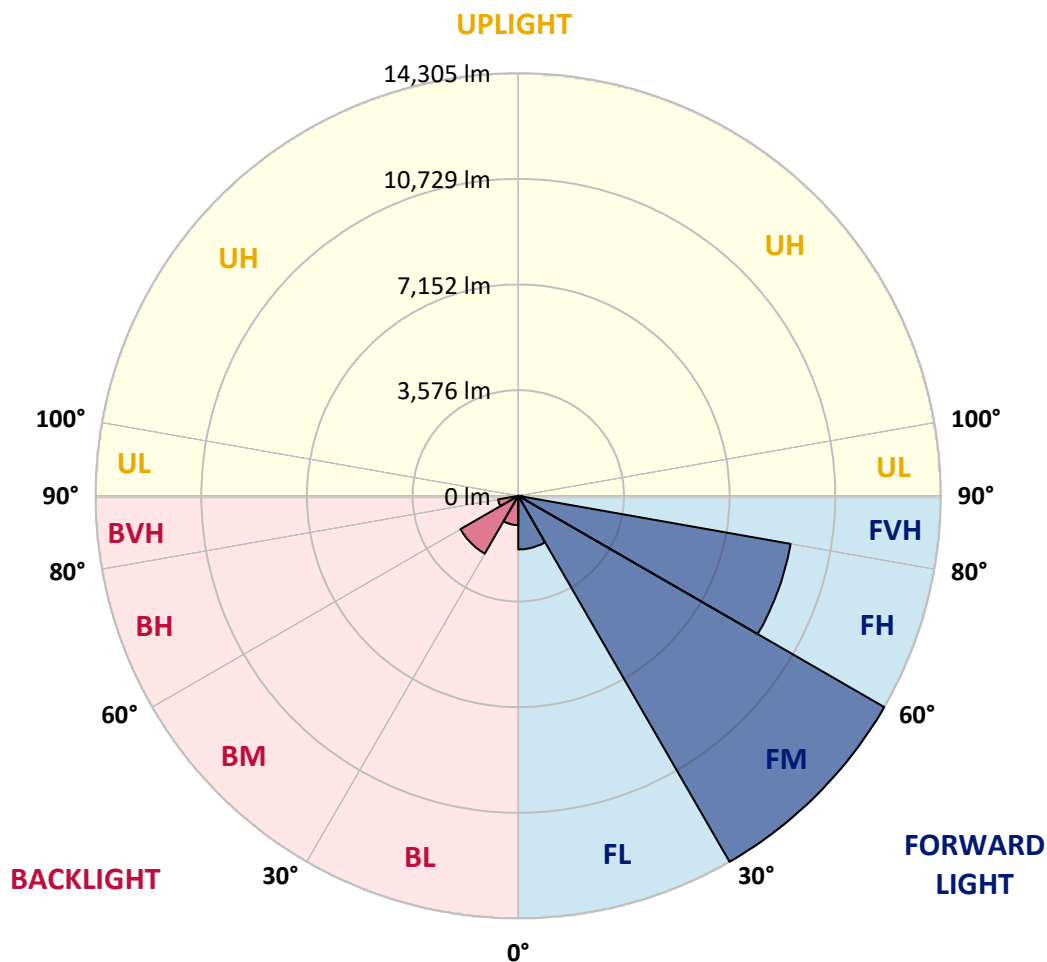
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1815.8	6.1			
FM (30°-60°)	14305.0	48.4			
FH (60°-80°)	9360.6	31.7			G4/12000
FVH (80°-90°)	132.5	0.4			G2/225
BL (0°-30°)	992.8	3.4	B2/1000		
BM (30°-60°)	2260.6	7.6	B2/2500		
BH (60°-80°)	694.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.8	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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1
2.5°	3427.2	3451.0	3445.0	3439.1	3437.1	3441.0	3443.0	3441.0	3441.0	3441.0
5°	3361.8	3381.6	3381.6	3395.5	3415.3	3439.1	3456.9	3460.9	3464.8	3470.8
7.5°	3236.9	3252.7	3264.6	3310.2	3359.8	3423.2	3476.7	3504.5	3508.4	3530.2
10°	3151.7	3171.5	3191.3	3238.9	3310.2	3405.4	3496.5	3563.9	3573.9	3625.4
12.5°	3147.7	3167.5	3193.3	3244.8	3328.1	3429.2	3540.2	3637.3	3655.1	3730.4
15°	3189.3	3213.1	3236.9	3300.3	3389.5	3512.4	3631.3	3752.2	3770.1	3877.1
17.5°	3274.5	3306.3	3324.1	3387.5	3482.7	3619.4	3776.0	3914.8	3930.6	4055.5
20°	3443.0	3480.7	3486.6	3538.2	3631.3	3778.0	3964.3	4136.8	4156.6	4299.3
22.5°	3791.9	3845.4	3797.8	3823.6	3906.9	4053.5	4255.7	4473.8	4501.5	4664.0
25°	4406.4	4481.7	4358.8	4315.2	4350.9	4503.5	4757.2	5032.7	5064.4	5195.3
27.5°	5613.5	5516.4	5330.1	5147.7	5040.7	5127.9	5413.3	5754.2	5793.9	5920.7
30°	6939.6	6854.3	6602.6	6198.2	5944.5	5930.7	6194.3	6574.9	6620.4	6741.4
32.5°	8267.6	8186.4	7912.8	7415.3	6975.3	6757.2	6939.6	7361.8	7385.6	7462.9
35°	9573.9	9490.6	9217.1	8707.7	8166.5	7671.0	7635.3	8111.0	8119.0	8200.2
37.5°	10888.1	10818.7	10527.3	10027.8	9494.6	8810.7	8479.7	8820.7	8830.6	8909.9
40°	11825.6	11855.4	11655.2	11268.6	10810.8	10063.5	9427.2	9575.9	9516.4	9649.2
42.5°	12630.4	12689.9	12515.4	12321.2	12055.6	11397.5	10600.6	10574.9	10479.7	10551.1
45°	13326.1	13375.7	13219.1	13173.5	13167.6	12705.7	11883.1	11728.5	11595.7	11581.8
47.5°	13581.8	13677.0	13744.4	13897.0	14194.3	14000.1	13209.2	12969.3	12820.7	12711.7
50°	13679.0	13780.0	14010.0	14454.0	15157.7	15240.9	14529.3	14259.7	14077.4	13879.2
52.5°	13548.1	13728.5	14037.7	14785.0	15805.8	16236.0	15795.9	15560.0	15351.9	15028.8
55°	12777.1	12957.4	13589.8	14781.0	16128.9	16933.7	16993.1	16888.1	16654.2	16144.8
57.5°	11151.7	11419.3	12420.3	14277.6	16123.0	17534.3	18166.6	18241.9	17980.3	17250.8
60°	8899.9	9262.7	10483.7	13161.6	15625.4	17859.4	19195.3	19571.9	19294.4	18341.0
62.5°	6210.1	6630.4	7786.0	11413.3	14487.7	17625.5	19946.6	20642.3	20432.2	19316.2
65°	3787.9	3922.7	4854.3	8981.2	12553.1	16646.3	20178.5	21221.1	21151.7	19912.9
67.5°	2523.3	2636.3	2903.9	6158.6	9744.3	14689.9	19623.5	21120.0	21139.8	19815.8
70°	1520.3	1617.5	1791.9	3581.8	6315.2	11627.4	17904.9	19831.6	19946.6	18517.4
72.5°	626.4	691.8	850.4	1623.4	3270.6	7379.6	14257.8	17026.8	17294.4	15569.9
75°	354.8	388.5	499.5	814.7	1419.2	3439.1	8636.3	12087.3	12481.7	10731.5
77.5°	235.9	251.7	323.1	527.3	798.8	1173.4	3690.8	6297.4	7050.6	5861.3
80°	158.6	172.4	222.0	352.8	519.3	503.5	1175.4	2333.0	2870.2	2013.9
82.5°	107.0	109.0	158.6	231.9	329.0	243.8	346.9	725.5	911.8	582.8
85°	61.4	59.5	116.9	134.8	146.7	101.1	105.1	218.0	285.4	245.8
87.5°	7.9	11.9	45.6	35.7	19.8	21.8	21.8	37.7	55.5	59.5
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°
3439.1	0°	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1
3443.0	2.5°	3443.0	3441.0	3435.1	3429.2	3415.3	3407.4	3411.3	3407.4	3405.4	3407.4
3468.8	5°	3468.8	3462.9	3447.0	3427.2	3399.4	3365.7	3343.9	3312.2	3282.5	3264.6
3538.2	7.5°	3538.2	3532.2	3510.4	3454.9	3365.7	3225.0	3096.1	2983.2	2897.9	2848.4
3649.2	10°	3649.2	3639.3	3605.6	3482.7	3248.8	2941.5	2685.8	2473.7	2335.0	2269.6
3780.0	12.5°	3780.0	3768.1	3708.6	3456.9	3026.8	2547.1	2194.3	1958.4	1829.5	1772.1
3930.6	15°	3934.6	3918.8	3801.8	3334.0	2703.7	2111.0	1787.9	1611.5	1528.3	1476.7
4122.9	17.5°	4126.9	4099.1	3871.2	3149.7	2352.8	1778.0	1538.2	1405.4	1332.0	1282.5
4374.6	20°	4376.6	4331.0	3926.7	2929.6	2029.7	1567.9	1369.7	1258.7	1203.2	1159.6
4731.4	22.5°	4725.5	4660.1	3994.1	2691.8	1801.8	1423.2	1244.8	1163.5	1117.9	1068.4
5229.0	25°	5157.6	5080.3	4077.3	2471.8	1645.2	1298.3	1153.6	1086.2	1032.7	975.2
5881.1	27.5°	5762.2	5623.4	4176.4	2291.4	1510.4	1191.3	1070.4	995.0	933.6	886.0
6620.4	30°	6436.1	6208.2	4263.6	2182.4	1387.5	1092.2	961.4	886.0	828.5	794.9
7284.5	32.5°	7074.4	6765.1	4321.1	2134.8	1276.5	979.2	842.4	761.2	717.5	707.6
7934.6	35°	7676.9	7268.6	4315.2	2089.2	1177.4	866.2	725.5	642.2	608.5	614.5
8634.3	37.5°	8370.7	7805.8	4273.6	2017.8	1096.1	763.1	624.4	551.0	521.3	523.3
9484.7	40°	9177.4	8426.2	4247.8	1883.1	1006.9	668.0	541.1	481.7	459.9	451.9
10380.6	42.5°	10037.7	9026.8	4251.8	1730.4	895.9	582.8	483.6	434.1	414.3	408.3
11377.7	45°	10901.9	9599.7	4257.7	1571.9	779.0	517.3	442.0	400.4	388.5	380.6
12388.6	47.5°	11714.6	10087.3	4146.7	1401.4	664.0	467.8	408.3	380.6	370.7	360.8
13403.4	50°	12471.8	10412.3	3879.1	1203.2	572.8	428.1	382.6	362.7	352.8	342.9
14323.2	52.5°	13060.5	10463.9	3437.1	999.0	509.4	398.4	366.7	348.9	337.0	327.1
15066.5	55°	13322.2	10140.8	2808.7	808.7	459.9	372.6	350.8	333.0	319.1	309.2
15651.2	57.5°	13254.8	9460.9	2190.3	650.2	412.3	346.9	331.0	319.1	303.3	287.4
16125.0	60°	12923.8	8551.1	1651.1	541.1	368.7	319.1	309.2	299.3	277.5	253.7
16307.3	62.5°	12350.9	7407.4	1177.4	448.0	321.1	287.4	283.5	275.5	243.8	200.2
16037.7	65°	11474.8	6017.9	792.9	372.6	275.5	251.7	253.7	239.8	198.2	148.7
15050.6	67.5°	10194.3	4400.4	507.4	305.3	229.9	210.1	212.1	204.2	168.5	126.9
13179.5	70°	8563.0	2913.8	331.0	231.9	184.3	162.5	174.4	176.4	142.7	103.1
10115.0	72.5°	6277.5	1720.5	231.9	172.4	134.8	113.0	142.7	146.7	115.0	77.3
6085.3	75°	3577.8	816.7	174.4	124.9	83.3	79.3	111.0	111.0	79.3	51.5
2634.3	77.5°	1502.5	340.9	122.9	81.3	47.6	45.6	75.3	69.4	39.6	23.8
642.2	80°	434.1	152.6	65.4	39.6	19.8	17.8	29.7	21.8	9.9	4.0
243.8	82.5°	170.5	67.4	25.8	15.9	7.9	7.9	4.0	0.0	0.0	0.0
138.8	85°	101.1	27.8	11.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0
29.7	87.5°	25.8	5.9	4.0	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°  
3439.1  
3415.3  
3268.6  
2850.4  
2263.6  
1766.1  
1478.7  
1278.5  
1151.6  
1060.5  
969.3  
876.1  
788.9  
713.6  
614.5  
531.2  
450.0  
406.3  
380.6  
360.8  
342.9  
325.1  
307.2  
285.4  
249.8  
196.2  
*144.7*  
120.9  
99.1  
73.3  
47.6  
23.8  
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