

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: P851397

Luminaire Tested: **GLAN-SB9B-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851397  
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-SB9B-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 33306 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

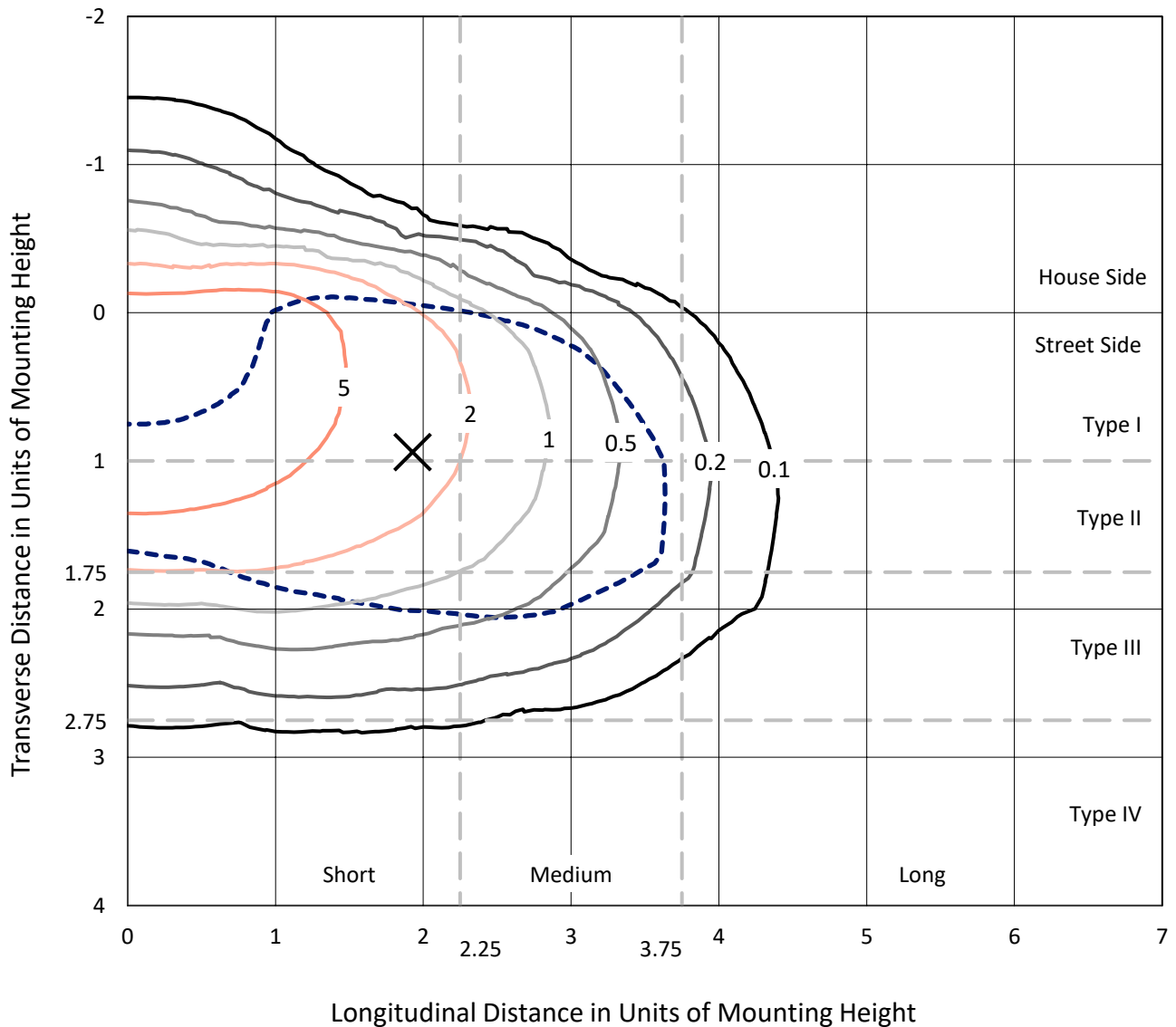
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

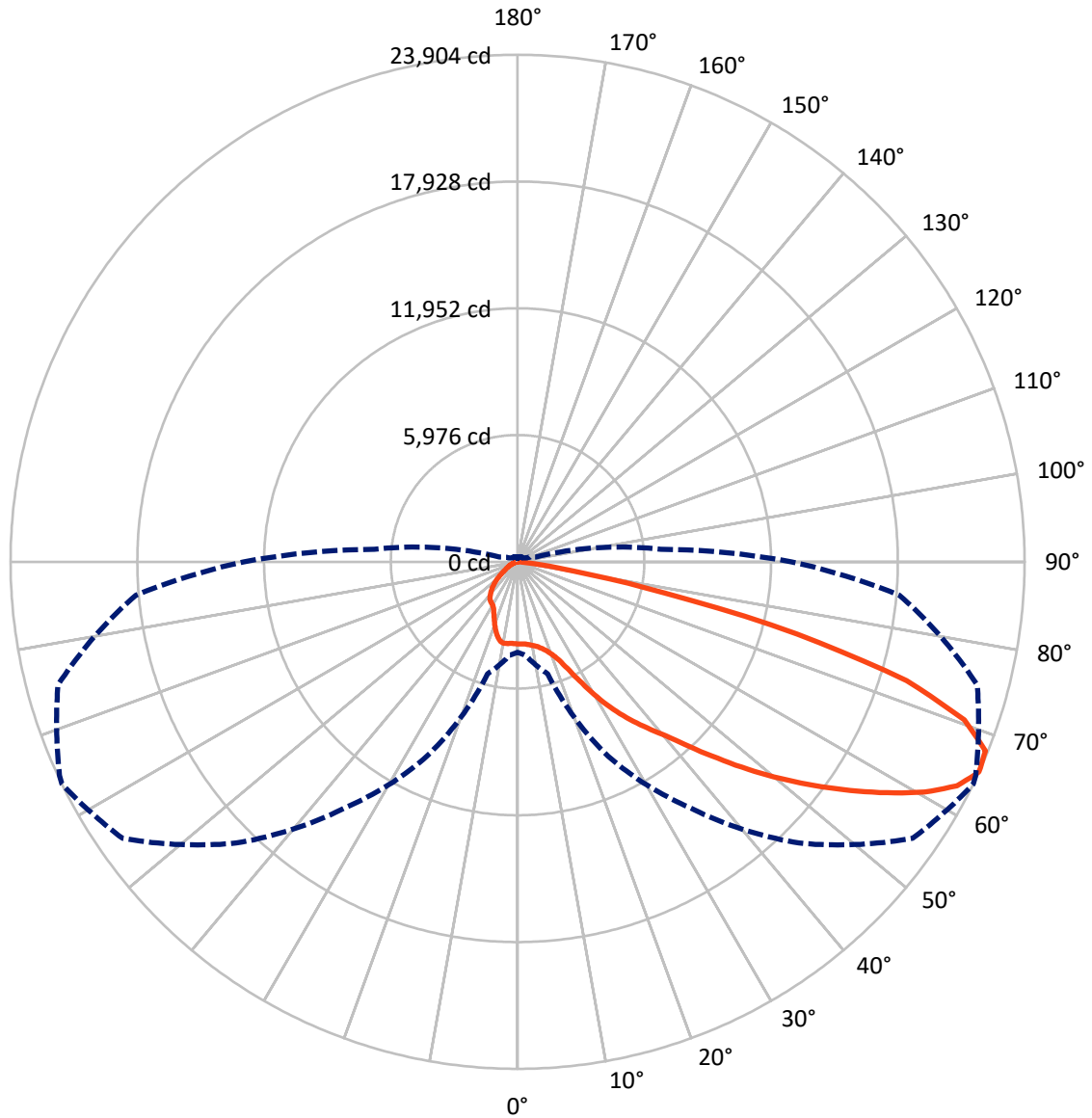
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	4454.0	0.0	4454.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	28852.0	0.0	28852.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	33306.0	0.0	33306.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.4	1.1
10°-20°	969.4	2.9
20°-30°	1836.9	5.5
30°-40°	3717.0	11.2
40°-50°	6331.9	19.0
50°-60°	8610.9	25.9
60°-70°	8086.1	24.3
70°-80°	3239.6	9.7
80°-90°	156.9	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°	33306.0	100.0
0°-180°	33306.0	100.0

**Coefficient of Utilization**



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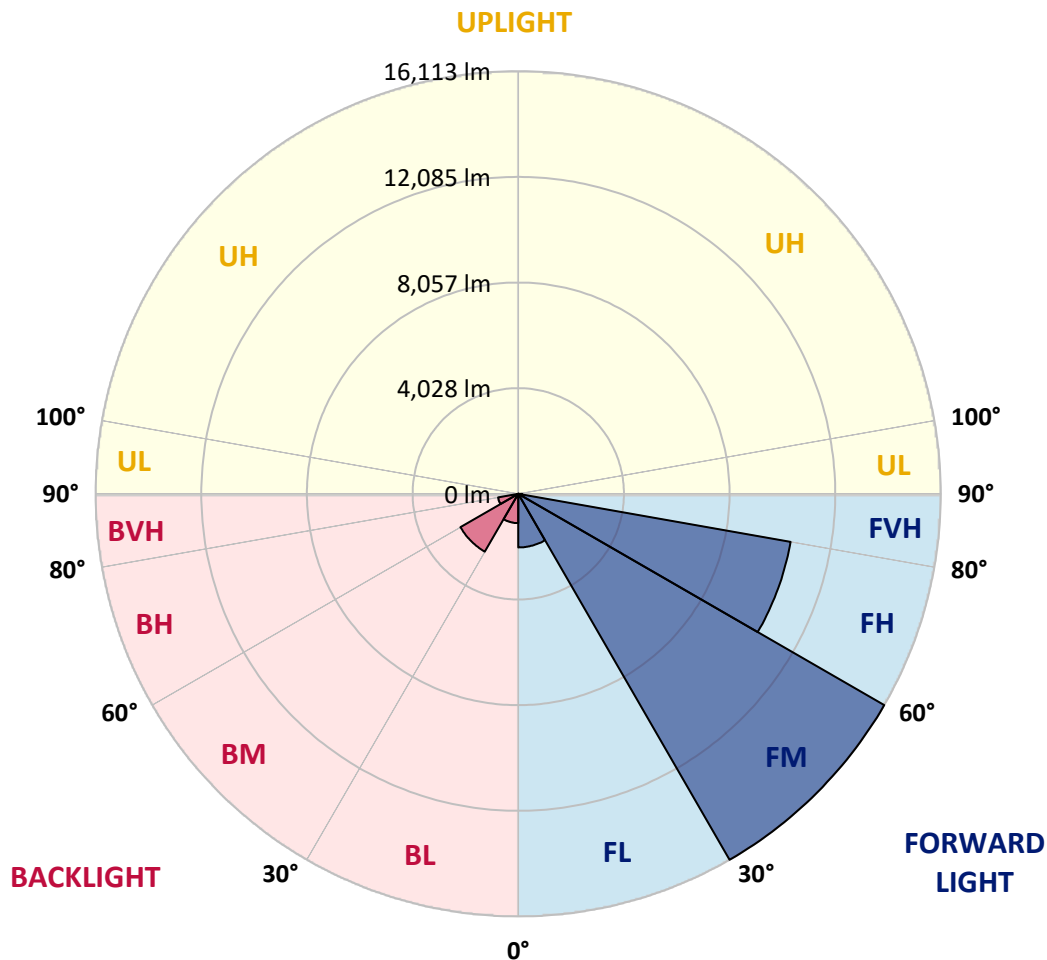
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2045.4	6.1			
FM (30°-60°)	16113.4	48.4			
FH (60°-80°)	10543.9	31.7			G4/12000
FVH (80°-90°)	149.3	0.4			G2/225
BL (0°-30°)	1118.3	3.4	B3/2500		
BM (30°-60°)	2546.3	7.6	B3/5000		
BH (60°-80°)	781.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8
2.5°	3860.4	3887.2	3880.5	3873.8	3871.6	3876.1	3878.3	3876.1	3876.1	3876.1
5°	3786.8	3809.1	3809.1	3824.7	3847.0	3873.8	3893.9	3902.9	3909.6	3909.6
7.5°	3646.1	3664.0	3677.4	3728.7	3784.5	3856.0	3916.3	3952.0	3976.5	3976.5
10°	3550.1	3572.4	3594.7	3648.3	3728.7	3835.9	3938.6	4025.7	4083.7	4083.7
12.5°	3545.6	3567.9	3597.0	3655.0	3748.8	3862.7	3987.7	4117.2	4202.0	4202.0
15°	3592.5	3619.3	3646.1	3717.5	3818.0	3956.4	4090.4	4246.7	4367.3	4367.3
17.5°	3688.5	3724.2	3744.3	3815.8	3923.0	4077.0	4253.4	4427.6	4568.2	4568.2
20°	3878.3	3920.7	3927.4	3985.5	4090.4	4255.6	4465.5	4682.1	4842.9	4842.9
22.5°	4271.3	4331.5	4278.0	4307.0	4400.8	4566.0	4793.7	5070.6	5253.7	5253.7
25°	4963.4	5048.3	4909.8	4860.7	4900.9	5072.8	5358.6	5704.7	5852.1	5852.1
27.5°	6323.2	6213.8	6003.9	5798.5	5677.9	5776.1	6097.7	6526.3	6669.2	6669.2
30°	7816.9	7720.9	7437.3	6981.8	6696.0	6680.4	6977.4	7457.4	7593.6	7593.6
32.5°	9312.8	9221.3	8913.2	8352.7	7857.1	7611.5	7816.9	8319.3	8406.3	8406.3
35°	10784.2	10690.4	10382.3	9808.5	9199.0	8640.8	8600.6	9145.4	9236.9	9236.9
37.5°	12264.5	12186.4	11858.2	11295.5	10694.9	9924.6	9551.7	9946.9	10036.2	10036.2
40°	13320.6	13354.1	13128.6	12693.2	12177.5	11335.7	10619.0	10719.5	10869.1	10869.1
42.5°	14227.1	14294.1	14097.6	13878.8	13579.6	12838.4	11940.8	11804.6	11885.0	11885.0
45°	15010.8	15066.6	14890.3	14838.9	14832.2	14312.0	13385.4	13061.6	13046.0	13046.0
47.5°	15298.9	15406.0	15481.9	15653.9	15988.8	15770.0	14879.1	14441.5	14318.7	14318.7
50°	15408.3	15522.1	15781.1	16281.3	17073.9	17167.7	16366.1	15857.0	15633.8	15633.8
52.5°	15260.9	15464.1	15812.4	16654.1	17804.0	18288.5	17792.8	17292.7	16928.8	16928.8
55°	14392.4	14595.5	15307.8	16649.7	18167.9	19074.4	19141.4	18759.6	18185.8	18185.8
57.5°	12561.5	12862.9	13990.5	16082.5	18161.2	19751.0	20463.2	20253.3	19431.7	19431.7
60°	10025.1	10433.7	11809.1	14825.5	17600.8	20117.1	21622.0	21733.7	20659.7	20659.7
62.5°	6995.2	7468.6	8770.3	12856.2	16319.2	19853.7	22468.2	23015.3	21758.2	21758.2
65°	4266.8	4418.6	5468.0	10116.6	14140.1	18750.7	22729.5	23825.8	22430.3	22430.3
67.5°	2842.3	2969.6	3271.0	6937.2	10976.2	16547.0	22104.3	23812.4	22320.9	22320.9
70°	1712.5	1821.9	2018.4	4034.6	7113.6	13097.4	20168.5	22468.2	20858.4	20858.4
72.5°	705.6	779.2	957.9	1828.6	3684.0	8312.6	16060.2	19480.8	17538.3	17538.3
75°	399.7	437.6	562.7	917.7	1598.7	3873.8	9728.1	14059.7	12088.1	12088.1
77.5°	265.7	283.6	363.9	593.9	899.8	1321.8	4157.4	7941.9	6602.3	6602.3
80°	178.6	194.2	250.1	397.4	585.0	567.1	1324.0	3233.0	2268.5	2268.5
82.5°	120.6	122.8	178.6	261.2	370.6	274.6	390.7	1027.1	656.4	656.4
85°	69.2	67.0	131.7	151.8	165.2	113.9	118.3	321.5	276.9	276.9
87.5°	8.9	13.4	51.4	40.2	22.3	24.6	24.6	62.5	67.0	67.0
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°
3873.8	0°	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8	3873.8
3878.3	2.5°	3878.3	3876.1	3869.4	3862.7	3847.0	3838.1	3842.6	3838.1	3835.9	3838.1
3907.3	5°	3907.3	3900.6	3882.8	3860.4	3829.2	3791.2	3766.7	3730.9	3697.4	3677.4
3985.5	7.5°	3985.5	3978.8	3954.2	3891.7	3791.2	3632.7	3487.6	3360.3	3264.3	3208.5
4110.5	10°	4110.5	4099.3	4061.4	3923.0	3659.5	3313.4	3025.4	2786.5	2630.2	2556.5
4257.9	12.5°	4257.9	4244.5	4177.5	3893.9	3409.4	2869.1	2471.7	2206.0	2060.8	1996.1
4427.6	15°	4432.0	4414.2	4282.4	3755.5	3045.5	2377.9	2013.9	1815.2	1721.5	1663.4
4644.1	17.5°	4648.6	4617.3	4360.6	3547.9	2650.3	2002.8	1732.6	1583.0	1500.4	1444.6
4927.7	20°	4929.9	4878.6	4423.1	3300.0	2286.3	1766.1	1542.8	1417.8	1355.3	1306.2
5329.6	22.5°	5322.9	5249.2	4499.0	3032.1	2029.6	1603.1	1402.2	1310.6	1259.3	1203.5
5890.0	25°	5809.6	5722.6	4592.8	2784.2	1853.2	1462.5	1299.5	1223.6	1163.3	1098.5
6624.6	27.5°	6490.6	6334.3	4704.4	2581.1	1701.4	1341.9	1205.7	1120.8	1051.6	998.0
7457.4	30°	7249.8	6993.0	4802.7	2458.3	1562.9	1230.2	1082.9	998.0	933.3	895.3
8205.4	32.5°	7968.7	7620.4	4867.4	2404.7	1437.9	1103.0	948.9	857.4	808.3	797.1
8937.7	35°	8647.5	8187.5	4860.7	2353.3	1326.3	975.7	817.2	723.4	685.5	692.2
9725.9	37.5°	9428.9	8792.6	4813.8	2272.9	1234.7	859.6	703.3	620.7	587.2	589.4
10683.7	40°	10337.7	9491.5	4784.8	2121.1	1134.2	752.4	609.5	542.6	518.0	509.1
11692.9	42.5°	11306.7	10168.0	4789.3	1949.2	1009.2	656.4	544.8	489.0	466.6	459.9
12816.0	45°	12280.2	10813.2	4796.0	1770.6	877.5	582.7	497.9	451.0	437.6	428.7
13954.7	47.5°	13195.6	11362.5	4670.9	1578.6	748.0	526.9	459.9	428.7	417.5	406.4
15097.9	50°	14048.5	11728.7	4369.5	1355.3	645.3	482.3	430.9	408.6	397.4	386.3
16133.9	52.5°	14711.6	11786.7	3871.6	1125.3	573.8	448.8	413.1	393.0	379.6	368.4
16971.2	55°	15006.4	11422.8	3163.8	911.0	518.0	419.8	395.2	375.1	359.5	348.3
17629.9	57.5°	14930.4	10656.9	2467.2	732.3	464.4	390.7	372.9	359.5	341.6	323.7
18163.5	60°	14557.6	9632.1	1859.9	609.5	415.3	359.5	348.3	337.1	312.6	285.8
18368.9	62.5°	13912.3	8343.8	1326.3	504.6	361.7	323.7	319.3	310.4	274.6	225.5
18065.2	65°	12925.4	6778.7	893.1	419.8	310.4	283.6	285.8	270.2	223.3	167.5
16953.3	67.5°	11483.1	4956.7	571.6	343.8	259.0	236.7	238.9	230.0	189.8	142.9
14845.6	70°	9645.5	3282.2	372.9	261.2	207.6	183.1	196.5	198.7	160.8	116.1
11393.8	72.5°	7071.1	1938.0	261.2	194.2	151.8	127.3	160.8	165.2	129.5	87.1
6854.6	75°	4030.1	919.9	196.5	140.7	93.8	89.3	125.0	125.0	89.3	58.1
2967.3	77.5°	1692.4	384.0	138.4	91.5	53.6	51.4	84.8	78.1	44.7	26.8
723.4	80°	489.0	171.9	73.7	44.7	22.3	20.1	33.5	24.6	11.2	4.5
274.6	82.5°	192.0	75.9	29.0	17.9	8.9	8.9	4.5	0.0	0.0	0.0
156.3	85°	113.9	31.3	13.4	6.7	2.2	0.0	0.0	0.0	0.0	0.0
33.5	87.5°	29.0	6.7	4.5	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°
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3873.8
3847.0
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3210.7
2549.8
1989.4
1665.6
1440.1
1297.2
1194.5
1091.8
986.9
888.6
803.8
692.2
598.4
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366.2
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