

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: P853158

Luminaire Tested: **GLAN-SB9A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853158
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-SB9A-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA 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: 26563 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

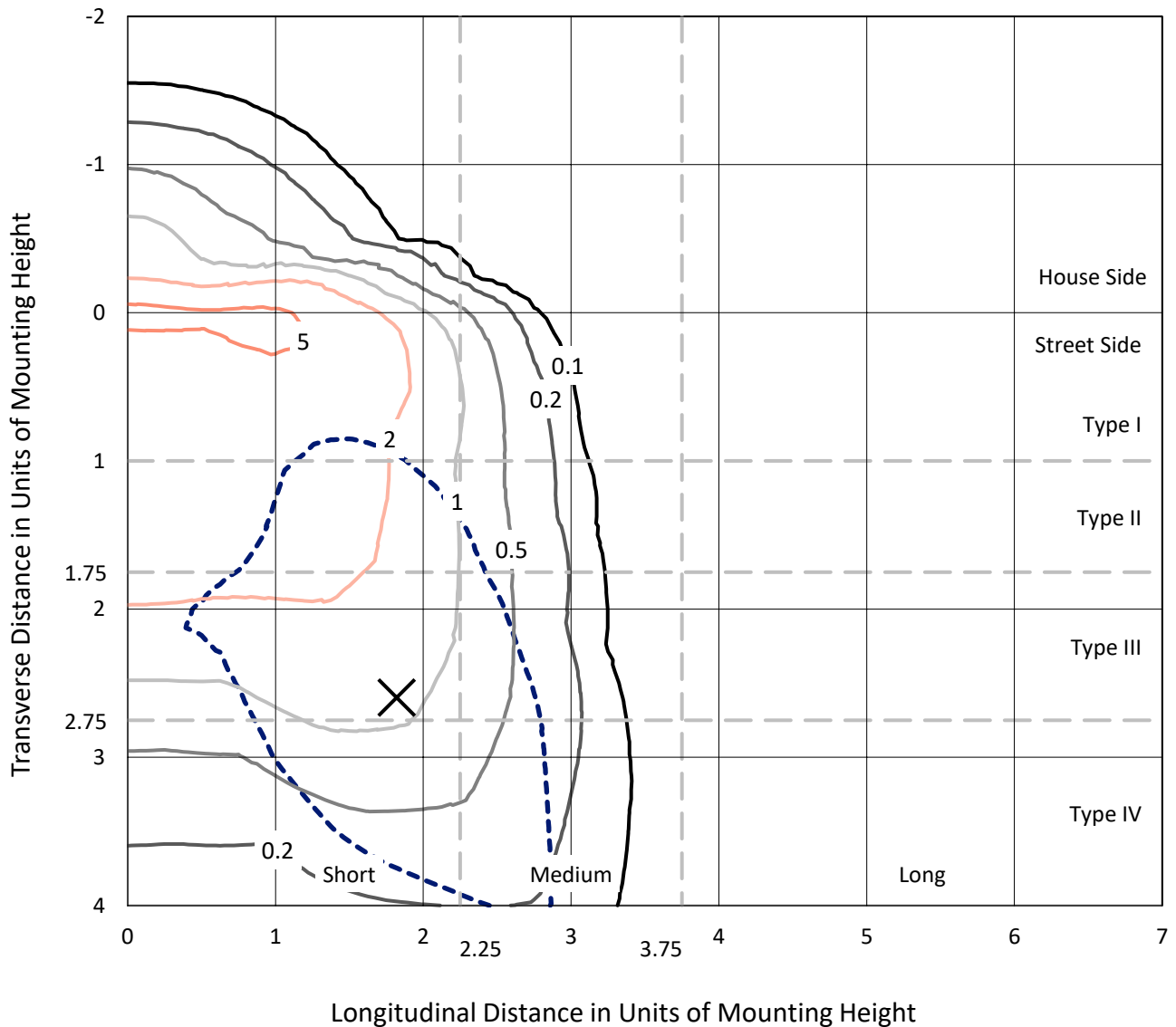
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

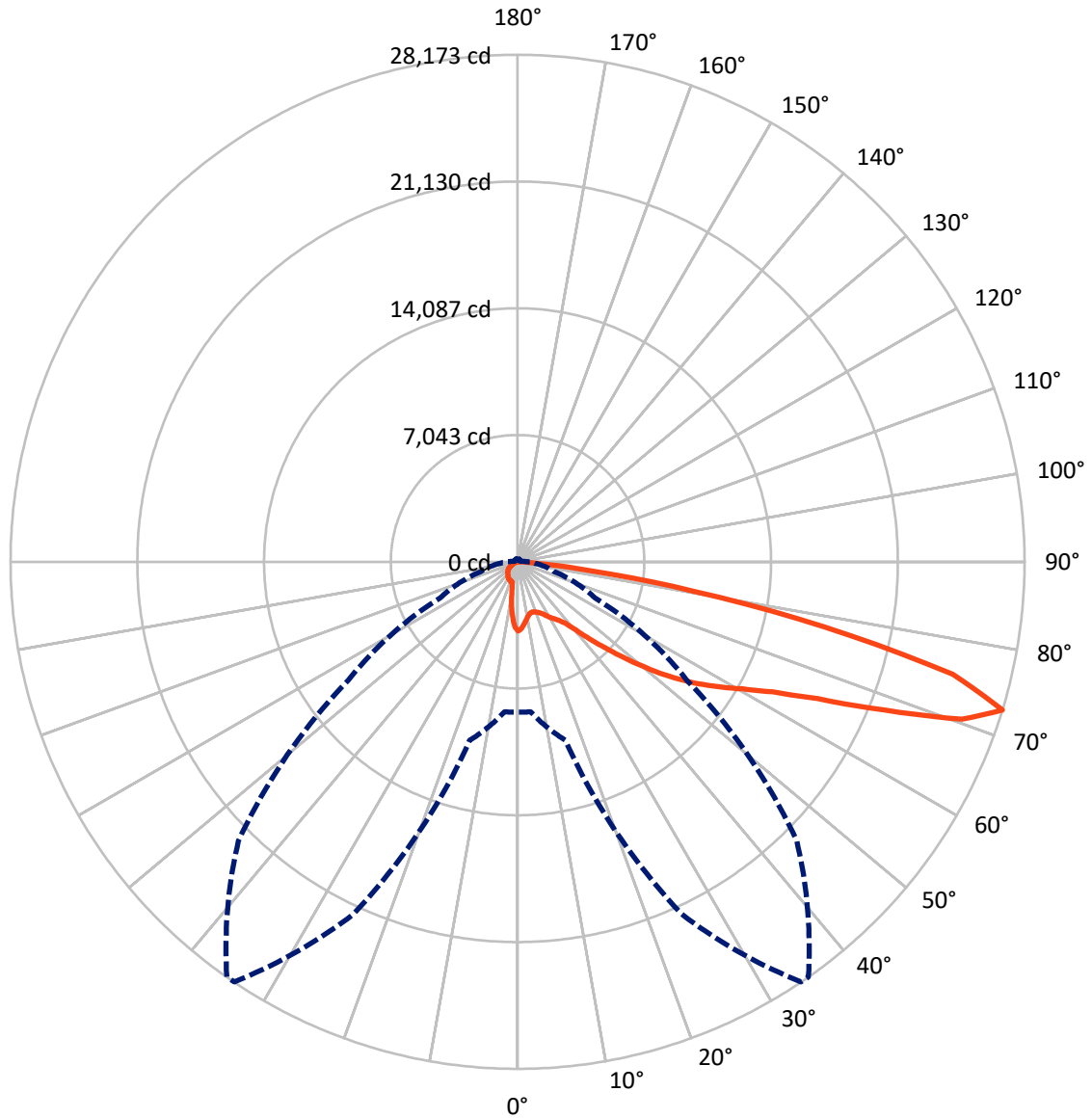
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	2989.5	0.0	2989.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	23573.5	0.0	23573.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	26563.0	0.0	26563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	1.2
10°-20°	740.1	2.8
20°-30°	1202.2	4.5
30°-40°	2005.9	7.6
40°-50°	3795.3	14.3
50°-60°	6030.6	22.7
60°-70°	7460.3	28.1
70°-80°	4637.4	17.5
80°-90°	374.8	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°	26563.0	100.0
0°-180°	26563.0	100.0

Coefficient of Utilization



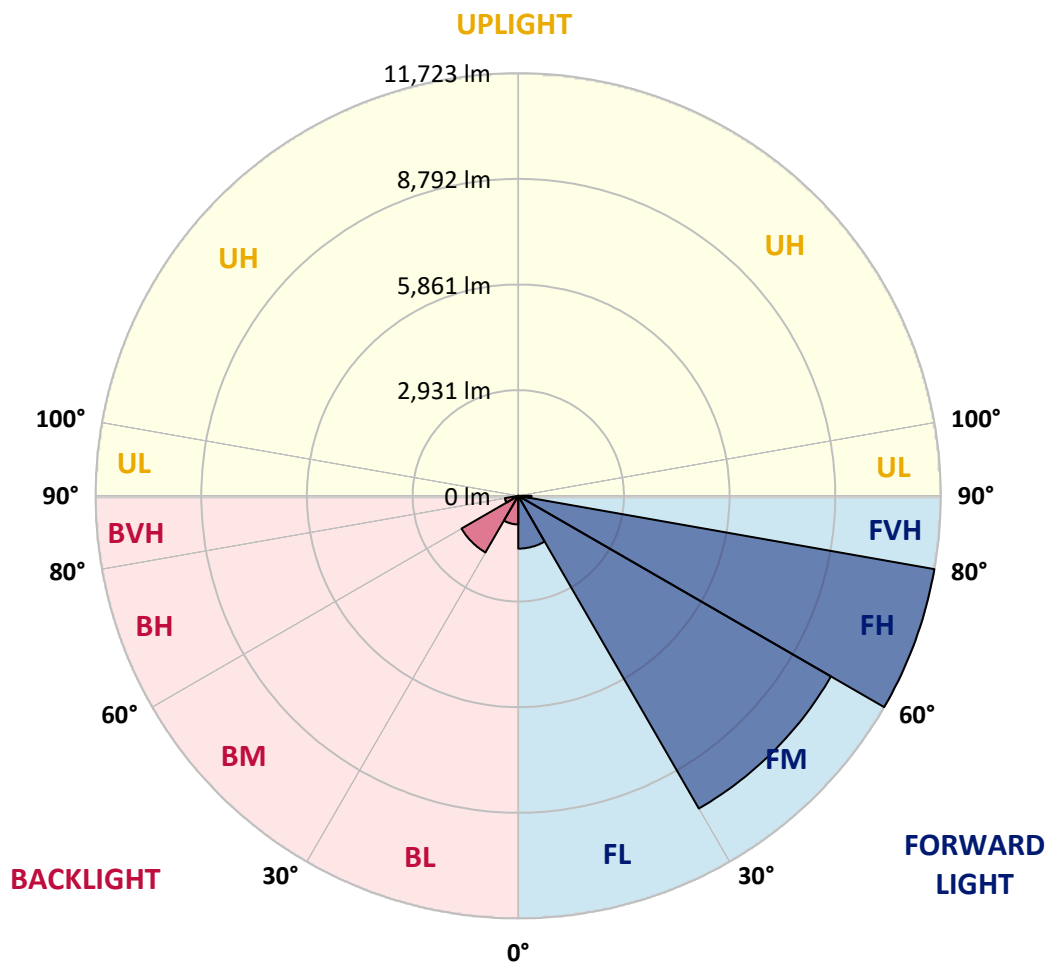
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1464.3	5.5			
FM (30°-60°)	10016.9	37.7			
FH (60°-80°)	11722.6	44.1			G4/12000
FVH (80°-90°)	369.7	1.4			G3/500
BL (0°-30°)	794.4	3.0	B2/1000		
BM (30°-60°)	1814.9	6.8	B2/2500		
BH (60°-80°)	375.1	1.4	B1/500		G1/500
BVH (80°-90°)	5.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9
2.5°	3678.6	3709.7	3715.6	3725.3	3725.3	3737.0	3756.4	3783.7	3828.5	3851.8
5°	3390.5	3413.9	3443.1	3466.4	3511.2	3517.0	3593.0	3666.9	3770.1	3847.9
7.5°	3100.5	3127.8	3166.7	3223.1	3281.5	3299.1	3413.9	3538.5	3701.9	3847.9
10°	2896.2	2898.1	2933.1	2989.6	3083.0	3104.4	3244.6	3421.7	3626.0	3824.6
12.5°	2781.3	2795.0	2810.5	2853.3	2942.9	2956.5	3106.4	3314.6	3550.1	3810.9
15°	2781.3	2791.1	2800.8	2822.2	2894.2	2905.9	3038.2	3246.5	3511.2	3816.8
17.5°	2810.5	2826.1	2818.3	2843.6	2919.5	2927.3	3044.1	3227.0	3509.3	3853.8
20°	2880.6	2892.3	2876.7	2892.3	2968.2	2983.7	3104.4	3264.0	3542.3	3918.0
22.5°	2991.5	2997.4	2960.4	2972.1	3049.9	3069.4	3209.5	3369.1	3622.1	4021.1
25°	3131.7	3143.3	3086.9	3100.5	3174.5	3197.8	3359.4	3526.8	3748.7	4163.2
27.5°	3293.2	3299.1	3250.4	3248.4	3343.8	3376.9	3540.4	3721.4	3918.0	4342.3
30°	3478.1	3495.6	3448.9	3441.1	3561.8	3589.1	3750.6	3960.8	4167.1	4610.9
32.5°	3624.1	3637.7	3610.5	3629.9	3752.6	3774.0	4005.6	4299.5	4558.3	4992.4
35°	3834.3	3842.1	3779.8	3814.8	3955.0	4009.5	4354.0	4774.4	5050.8	5471.2
37.5°	4595.3	4595.3	4330.6	4157.4	4291.7	4340.3	4830.8	5371.9	5658.0	6113.5
40°	5648.3	5630.8	5243.5	4889.2	4871.7	4967.1	5510.1	6125.1	6442.4	6884.2
42.5°	6771.3	6744.1	6216.6	5866.3	5807.9	5841.0	6294.5	7053.6	7376.6	7824.3
45°	7767.9	7760.1	7277.4	6806.4	6701.3	6806.4	7273.5	8139.6	8371.2	8842.2
47.5°	8602.8	8602.8	8250.6	7943.0	7888.5	7950.8	8598.9	9344.4	9323.0	9926.4
50°	9564.3	9556.6	9221.8	9089.4	9145.9	9233.5	10124.9	10613.4	10307.8	10991.0
52.5°	10237.8	10284.5	10169.6	10148.2	10436.3	10588.1	11674.2	11855.2	11189.5	12001.2
55°	10771.1	10825.6	10957.9	11107.8	11662.5	11861.0	13174.8	13032.7	11927.2	12877.0
57.5°	11526.3	11448.4	11652.8	11948.6	12845.9	13085.3	14628.7	14144.1	12520.8	13587.4
60°	12443.0	12454.7	12489.7	12863.4	14027.3	14334.8	16061.2	15195.1	12902.3	14023.4
62.5°	13544.6	13562.1	13634.1	14208.3	15613.6	15903.6	17587.2	16055.4	13077.5	13900.8
65°	13468.7	13542.7	14346.5	16310.4	18025.1	18311.2	19368.1	16658.8	12812.8	12779.7
67.5°	12269.8	12390.4	13735.4	18821.2	21660.9	21980.1	21520.7	16777.5	11670.3	9938.0
70°	10697.1	10739.9	12357.3	21078.9	25870.8	26193.9	23447.6	15471.5	8855.9	5543.2
72.5°	8353.7	8363.4	10261.1	21602.5	28155.8	28173.3	21935.3	11485.4	4762.7	2129.3
75°	5967.5	5909.1	6872.5	17519.0	24771.1	24969.7	16444.7	5387.5	1819.8	1006.3
77.5°	3199.8	3264.0	3888.8	10389.6	17112.3	17450.9	8972.6	1553.2	926.5	685.1
80°	988.7	1043.2	1594.1	4756.9	9692.8	9897.2	3326.3	691.0	646.2	488.5
82.5°	311.4	323.1	743.5	1998.9	4023.1	4116.5	963.4	391.2	441.8	323.1
85°	89.5	91.5	330.9	745.4	994.6	1014.0	270.5	151.8	253.0	200.5
87.5°	9.7	31.1	124.6	124.6	87.6	85.6	29.2	33.1	72.0	25.3
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°
3849.9	0°	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9	3849.9
3867.4	2.5°	3857.7	3859.6	3834.3	3791.5	3744.8	3705.8	3657.2	3618.3	3591.0	3583.2
3902.4	5°	3884.9	3871.3	3799.3	3668.9	3513.2	3378.9	3229.0	3110.3	3032.4	2999.3
3939.4	7.5°	3925.8	3886.8	3729.2	3472.3	3174.5	2909.8	2641.2	2432.9	2300.6	2234.4
3974.4	10°	3960.8	3883.0	3612.4	3188.1	2732.7	2331.7	1969.7	1718.6	1578.5	1512.3
4015.3	12.5°	3993.9	3881.0	3460.6	2851.4	2234.4	1743.9	1407.2	1282.6	1243.7	1230.1
4081.5	15°	4056.2	3886.8	3269.9	2466.0	1738.1	1317.7	1195.1	1193.1	1200.9	1197.0
4182.7	17.5°	4141.8	3892.7	3053.8	2057.3	1341.0	1162.0	1156.1	1173.6	1185.3	1179.5
4309.2	20°	4252.8	3916.0	2824.1	1652.4	1152.2	1123.0	1136.7	1152.2	1162.0	1152.2
4478.5	22.5°	4408.5	3956.9	2573.1	1327.4	1091.9	1099.7	1111.4	1128.9	1138.6	1125.0
4694.6	25°	4599.2	4021.1	2325.9	1154.2	1062.7	1072.4	1090.0	1109.4	1121.1	1107.5
4967.1	27.5°	4846.4	4124.3	2098.2	1115.3	1033.5	1039.3	1064.7	1093.8	1109.4	1091.9
5354.4	30°	5204.5	4293.6	1901.6	1132.8	1016.0	1002.4	1037.4	1078.3	1095.8	1080.2
5881.9	32.5°	5679.4	4533.0	1780.9	1160.0	1008.2	959.5	992.6	1045.2	1074.4	1064.7
6570.9	35°	6302.3	4897.0	1734.2	1191.2	1002.4	914.8	938.1	994.6	1045.2	1054.9
7438.9	37.5°	7057.4	5403.1	1747.8	1204.8	984.9	877.8	889.5	938.1	1004.3	1035.5
8416.0	40°	7915.8	5992.8	1825.7	1191.2	965.4	846.7	848.6	885.6	944.0	990.7
9467.0	42.5°	8801.4	6681.8	1969.7	1140.6	947.9	819.4	813.6	838.9	877.8	910.9
10516.1	45°	9644.1	7390.3	2111.8	1070.5	926.5	792.2	778.5	788.3	796.1	809.7
11537.9	47.5°	10379.9	7888.5	2070.9	1006.3	897.3	761.0	737.7	733.8	710.4	708.5
12450.8	50°	10887.9	7997.5	1839.3	942.0	854.4	726.0	689.0	665.6	624.8	605.3
13133.9	52.5°	11049.4	7567.4	1502.6	877.8	784.4	679.3	626.7	589.7	539.1	521.6
13527.1	55°	10835.3	6724.6	1200.9	799.9	687.1	617.0	558.6	509.9	469.1	447.7
13569.9	57.5°	10311.7	5652.2	949.8	708.5	583.9	546.9	488.5	439.9	404.8	383.4
13095.0	60°	9443.7	4488.3	751.3	599.5	498.3	471.0	410.7	379.5	348.4	323.1
11868.8	62.5°	8126.0	3203.7	589.7	474.9	416.5	385.4	350.3	327.0	290.0	255.0
9663.6	65°	6341.2	1960.0	455.4	348.4	334.8	319.2	297.8	276.4	231.6	196.6
6304.2	67.5°	3999.7	928.4	325.0	262.8	264.7	256.9	247.2	229.7	196.6	165.4
2824.1	70°	1761.4	449.6	214.1	200.5	196.6	196.6	204.4	198.5	167.4	138.2
981.0	72.5°	599.5	241.3	159.6	151.8	142.1	140.1	171.3	165.4	134.3	107.0
488.5	75°	313.4	161.5	116.8	109.0	85.6	103.2	136.2	128.5	95.4	70.1
323.1	77.5°	204.4	114.8	79.8	70.1	48.7	68.1	101.2	89.5	56.4	35.0
212.2	80°	128.5	75.9	46.7	33.1	23.4	37.0	54.5	38.9	21.4	7.8
124.6	82.5°	68.1	38.9	17.5	11.7	9.7	11.7	13.6	9.7	3.9	0.0
64.2	85°	27.2	13.6	5.8	3.9	1.9	0.0	3.9	1.9	0.0	0.0
11.7	87.5°	9.7	1.9	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°
3849.9
3596.8
3011.0
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1514.3
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1177.5
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1123.0
1105.5
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