

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: P852810

Luminaire Tested: **GLAN-SB6C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852810  
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-SB6C-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA 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: 27416 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

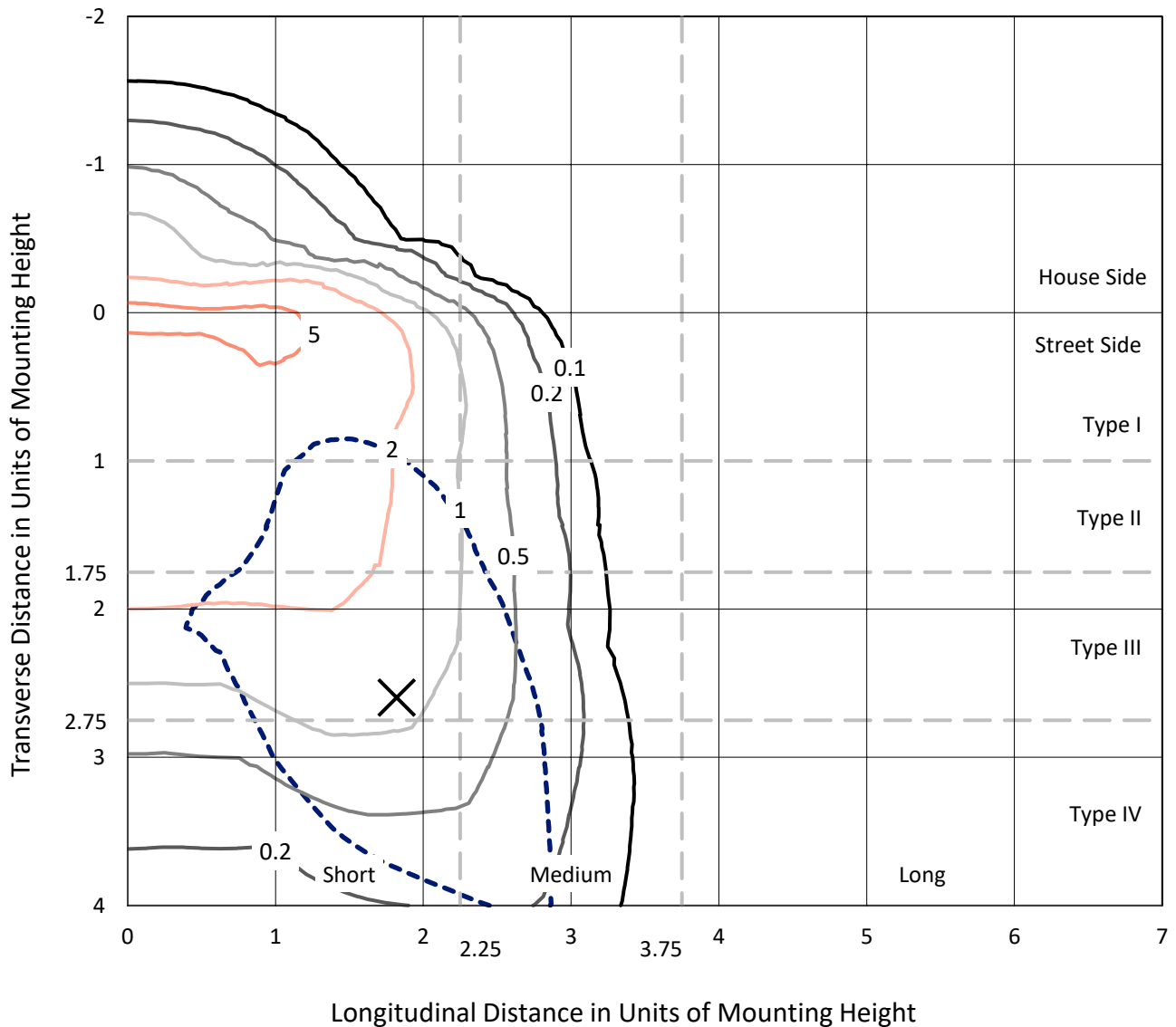
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

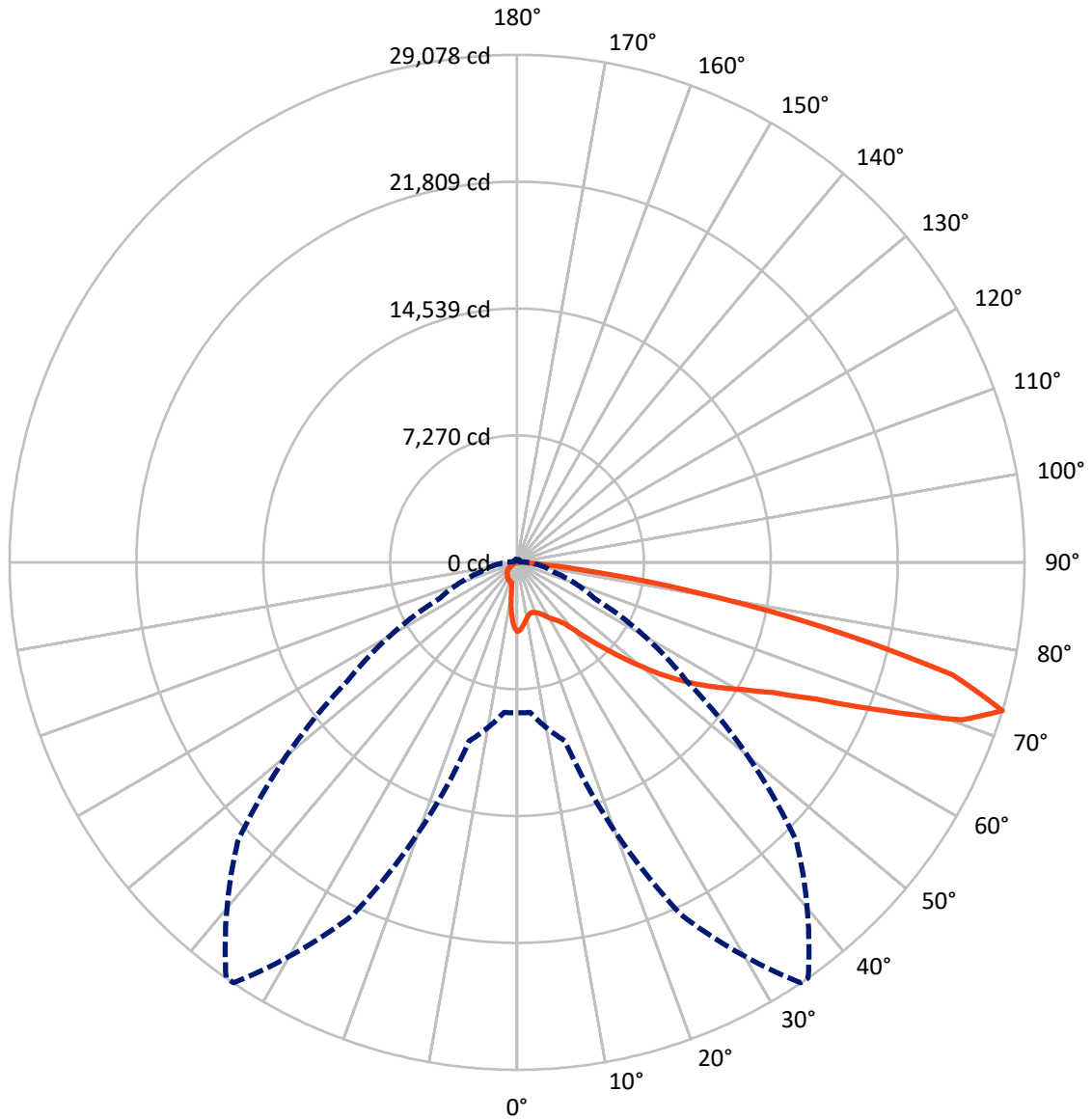
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	3085.5	0.0	3085.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	24330.5	0.0	24330.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	27416.0	0.0	27416.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.5	1.2
10°-20°	763.8	2.8
20°-30°	1240.8	4.5
30°-40°	2070.3	7.6
40°-50°	3917.1	14.3
50°-60°	6224.3	22.7
60°-70°	7699.9	28.1
70°-80°	4786.3	17.5
80°-90°	386.8	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°	27416.0	100.0
0°-180°	27416.0	100.0

**Coefficient of Utilization**



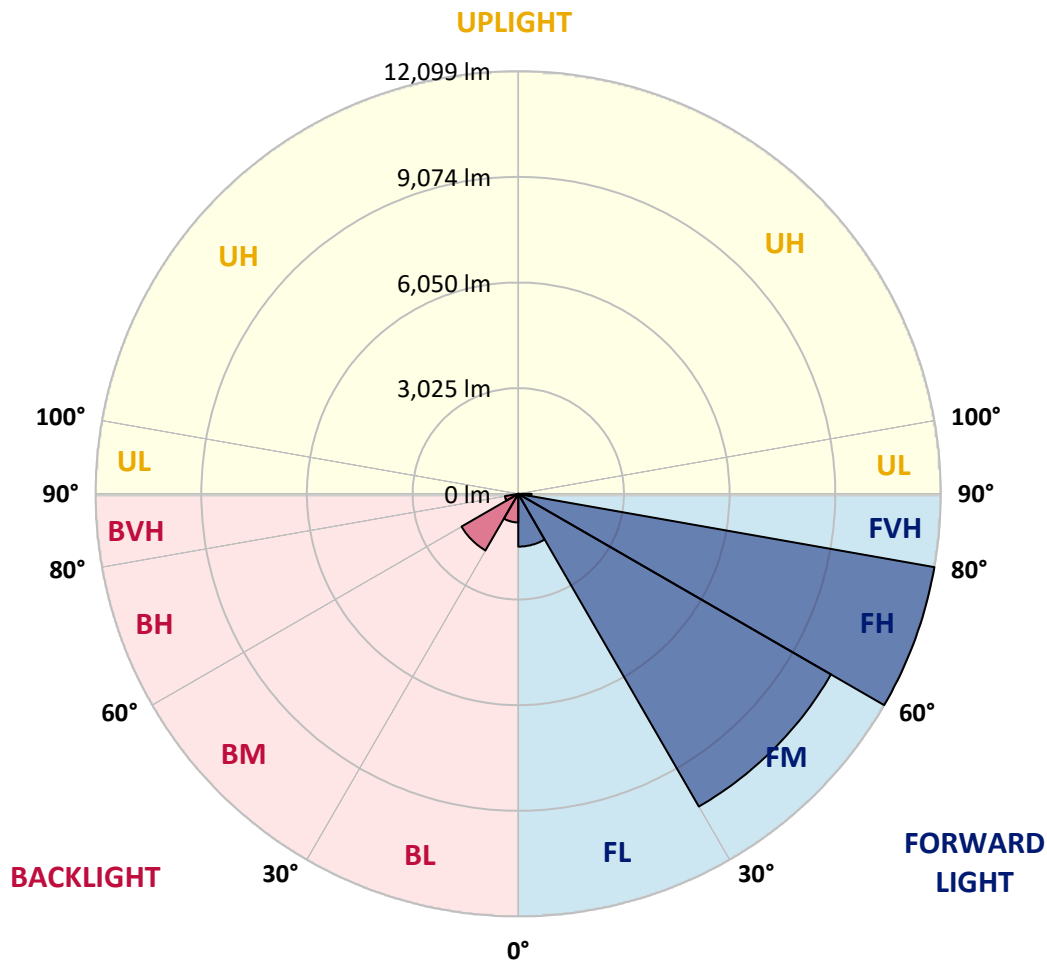
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1511.3	5.5			
FM	(30°-60°)	10338.6	37.7			
FH	(60°-80°)	12099.0	44.1			G5
FVH	(80°-90°)	381.5	1.4			G3/500
BL	(0°-30°)	819.9	3.0	B2/1000		
BM	(30°-60°)	1873.2	6.8	B2/2500		
BH	(60°-80°)	387.2	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°	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5
2.5°	3796.7	3828.9	3834.9	3844.9	3844.9	3857.0	3877.1	3905.2	3951.4	3975.5
5°	3499.4	3523.5	3553.6	3577.8	3624.0	3630.0	3708.3	3784.7	3891.1	3971.5
7.5°	3200.1	3228.2	3268.4	3326.6	3386.9	3405.0	3523.5	3652.1	3820.8	3971.5
10°	2989.2	2991.2	3027.3	3085.6	3182.0	3204.1	3348.7	3531.6	3742.5	3947.4
12.5°	2870.6	2884.7	2900.8	2945.0	3037.4	3051.4	3206.1	3421.1	3664.1	3933.3
15°	2870.6	2880.7	2890.7	2912.8	2987.2	2999.2	3135.8	3350.8	3624.0	3939.3
17.5°	2900.8	2916.8	2908.8	2934.9	3013.3	3021.3	3141.8	3330.7	3621.9	3977.5
20°	2973.1	2985.1	2969.1	2985.1	3063.5	3079.6	3204.1	3368.8	3656.1	4043.8
22.5°	3087.6	3093.6	3055.5	3067.5	3147.9	3168.0	3312.6	3477.3	3738.5	4150.3
25°	3232.2	3244.3	3186.0	3200.1	3276.4	3300.5	3467.3	3640.0	3869.0	4296.9
27.5°	3399.0	3405.0	3354.8	3352.8	3451.2	3485.3	3654.1	3840.9	4043.8	4481.7
30°	3589.8	3607.9	3559.7	3551.6	3676.2	3704.3	3871.0	4088.0	4300.9	4759.0
32.5°	3740.5	3754.5	3726.4	3746.5	3873.1	3895.2	4134.2	4437.5	4704.7	5152.7
35°	3957.4	3965.5	3901.2	3937.3	4082.0	4138.2	4493.8	4927.7	5213.0	5646.9
37.5°	4742.9	4742.9	4469.7	4290.9	4429.5	4479.7	4986.0	5544.4	5839.7	6309.8
40°	5829.7	5811.6	5411.8	5046.2	5028.1	5126.6	5687.0	6321.8	6649.3	7105.3
42.5°	6988.8	6960.7	6416.3	6054.7	5994.4	6028.5	6496.6	7280.1	7613.5	8075.6
45°	8017.3	8009.3	7511.1	7024.9	6916.5	7024.9	7507.1	8401.0	8640.0	9126.2
47.5°	8879.1	8879.1	8515.5	8198.1	8141.9	8206.1	8875.1	9644.5	9622.4	10245.1
50°	9871.5	9863.4	9517.9	9381.3	9439.6	9530.0	10450.0	10954.2	10638.8	11344.0
52.5°	10566.5	10614.7	10496.2	10474.1	10771.4	10928.1	12049.1	12235.9	11548.9	12386.5
55°	11117.0	11173.2	11309.8	11464.5	12037.0	12241.9	13597.9	13451.2	12310.2	13290.5
57.5°	11896.4	11816.0	12027.0	12332.3	13258.4	13505.5	15098.5	14598.3	12922.9	14023.8
60°	12842.6	12854.6	12890.8	13276.5	14477.8	14795.2	16577.0	15683.1	13316.6	14473.7
62.5°	13979.6	13997.6	14072.0	14664.6	16115.0	16414.3	18151.9	16571.0	13497.4	14347.2
65°	13901.2	13977.6	14807.2	16834.1	18603.9	18899.2	19990.0	17193.7	13224.2	13190.1
67.5°	12663.8	12788.3	14176.4	19425.5	22356.4	22685.9	22211.8	17316.3	12045.0	10257.2
70°	11040.6	11084.8	12754.2	21755.8	26701.6	27035.1	24200.6	15968.3	9140.2	5721.2
72.5°	8622.0	8632.0	10590.6	22296.2	29060.0	29078.0	22639.7	11854.2	4915.6	2197.7
75°	6159.1	6098.9	7093.2	18081.6	25566.6	25771.5	16972.7	5560.5	1878.3	1038.6
77.5°	3302.5	3368.8	4013.7	10723.2	17661.8	18011.3	9260.8	1603.1	956.2	707.1
80°	1020.5	1076.7	1645.2	4909.6	10004.1	10215.0	3433.1	713.1	666.9	504.2
82.5°	321.4	333.5	767.4	2063.1	4152.3	4248.7	994.4	403.8	456.0	333.5
85°	92.4	94.4	341.5	769.4	1026.5	1046.6	279.2	156.7	261.1	206.9
87.5°	10.0	32.1	128.6	128.6	90.4	88.4	30.1	34.2	74.3	26.1
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°
3973.5	0°	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5	3973.5
3991.6	2.5°	3981.5	3983.5	3957.4	3913.2	3865.0	3824.8	3774.6	3734.4	3706.3	3698.3
4027.7	5°	4009.7	3995.6	3921.3	3786.7	3626.0	3487.4	3332.7	3210.1	3129.8	3095.6
4065.9	7.5°	4051.8	4011.7	3848.9	3583.8	3276.4	3003.2	2726.0	2511.1	2374.5	2306.2
4102.1	10°	4088.0	4007.6	3728.4	3290.5	2820.4	2406.6	2033.0	1773.8	1629.2	1560.9
4144.2	12.5°	4122.2	4005.6	3571.7	2943.0	2306.2	1799.9	1452.4	1323.8	1283.7	1269.6
4212.6	15°	4186.4	4011.7	3374.9	2545.2	1793.9	1360.0	1233.4	1231.4	1239.5	1235.4
4317.0	17.5°	4274.8	4017.7	3151.9	2123.4	1384.1	1199.3	1193.3	1211.3	1223.4	1217.4
4447.6	20°	4389.3	4041.8	2914.8	1705.5	1189.2	1159.1	1173.2	1189.2	1199.3	1189.2
4622.4	22.5°	4550.0	4084.0	2655.7	1370.0	1127.0	1135.0	1147.1	1165.1	1175.2	1161.1
4845.3	25°	4746.9	4150.3	2400.6	1191.2	1096.8	1106.9	1125.0	1145.0	1157.1	1143.0
5126.6	27.5°	5002.0	4256.7	2165.5	1151.1	1066.7	1072.7	1098.8	1129.0	1145.0	1127.0
5526.3	30°	5371.7	4431.5	1962.6	1169.1	1048.6	1034.6	1070.7	1112.9	1131.0	1114.9
6070.7	32.5°	5861.8	4678.6	1838.1	1197.3	1040.6	990.4	1024.5	1078.8	1108.9	1098.8
6781.9	35°	6504.6	5054.3	1789.9	1229.4	1034.6	944.2	968.3	1026.5	1078.8	1088.8
7677.8	37.5°	7284.1	5576.6	1803.9	1243.5	1016.5	906.0	918.0	968.3	1036.6	1068.7
8686.3	40°	8170.0	6185.2	1884.3	1229.4	996.4	873.8	875.9	914.0	974.3	1022.5
9771.0	42.5°	9084.0	6896.4	2033.0	1177.2	978.3	845.7	839.7	865.8	906.0	940.1
10853.8	45°	9953.8	7627.6	2179.6	1104.9	956.2	817.6	803.5	813.6	821.6	835.7
11908.4	47.5°	10713.2	8141.9	2137.4	1038.6	926.1	785.5	761.4	757.3	733.2	731.2
12850.6	50°	11237.5	8254.3	1898.4	972.3	881.9	749.3	711.1	687.0	644.8	624.8
13555.7	52.5°	11404.2	7810.4	1550.8	906.0	809.6	701.1	646.8	608.7	556.5	538.4
13961.5	55°	11183.2	6940.6	1239.5	825.6	709.1	636.8	576.5	526.3	484.1	462.0
14005.7	57.5°	10642.9	5833.7	980.3	731.2	602.7	564.5	504.2	454.0	417.8	395.7
13515.5	60°	9746.9	4632.4	775.4	618.7	514.3	486.1	423.9	391.7	359.6	333.5
12249.9	62.5°	8386.9	3306.6	608.7	490.2	429.9	397.8	361.6	337.5	299.3	263.2
9973.9	65°	6544.8	2022.9	470.1	359.6	345.5	329.5	307.4	285.3	239.1	202.9
6506.7	67.5°	4128.2	958.2	335.5	271.2	273.2	265.2	255.1	237.0	202.9	170.8
2914.8	70°	1818.0	464.0	221.0	206.9	202.9	202.9	210.9	204.9	172.8	142.6
1012.5	72.5°	618.7	249.1	164.7	156.7	146.6	144.6	176.8	170.8	138.6	110.5
504.2	75°	323.4	166.7	120.5	112.5	88.4	106.5	140.6	132.6	98.4	72.3
333.5	77.5°	210.9	118.5	82.4	72.3	50.2	70.3	104.5	92.4	58.3	36.2
219.0	80°	132.6	78.3	48.2	34.2	24.1	38.2	56.2	40.2	22.1	8.0
128.6	82.5°	70.3	40.2	18.1	12.1	10.0	12.1	14.1	10.0	4.0	0.0
66.3	85°	28.1	14.1	6.0	4.0	2.0	0.0	4.0	2.0	0.0	0.0
12.1	87.5°	10.0	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°
3973.5
3712.3
3107.7
2316.2
1562.9
1265.6
1233.4
1215.4
1187.2
1159.1
1141.0
1127.0
1112.9
1098.8
1088.8
1076.7
1038.6
954.2
843.7
729.2
626.8
536.4
462.0
391.7
327.4
257.1
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166.7
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104.5
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