

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: P852900

Luminaire Tested: **GLAN-SB7B-727-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852900  
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-SB7B-727-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

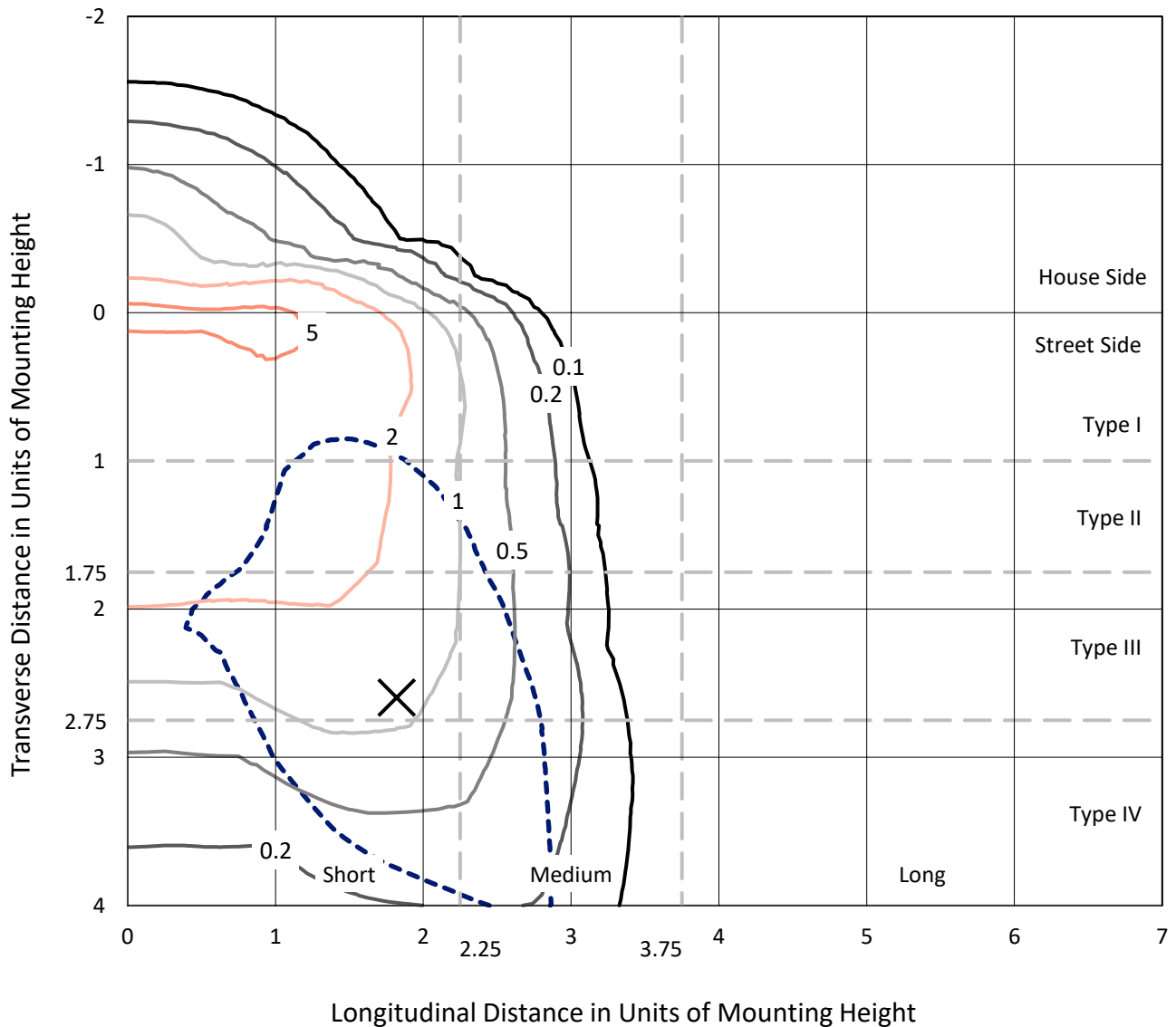
Lumens per Lamp: N/A  
Luminaire Lumens: 26965 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

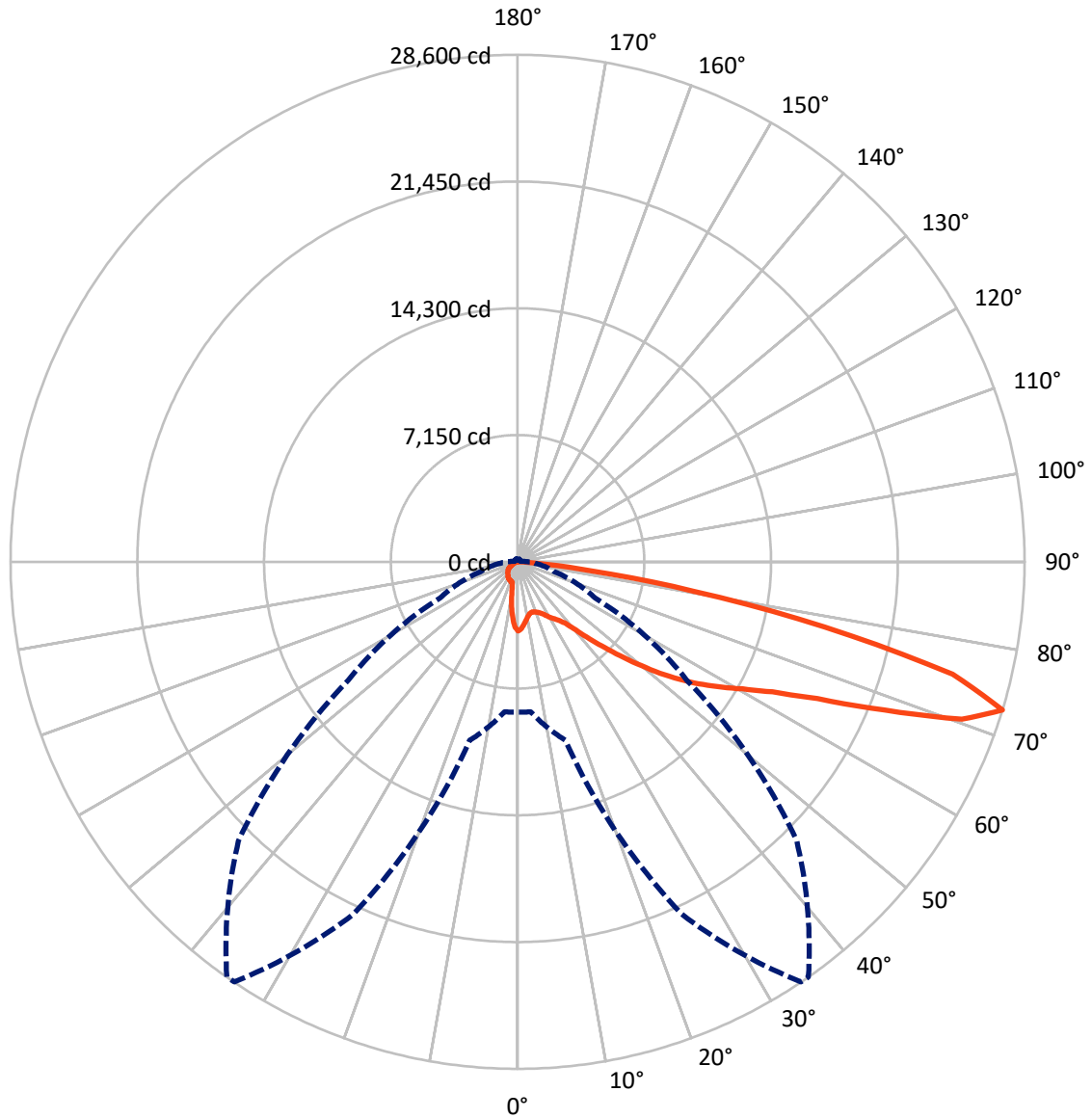
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	3034.8	0.0	3034.8
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	23930.2	0.0	23930.2
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	26965.0	0.0	26965.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.1	1.2
10°-20°	751.3	2.8
20°-30°	1220.4	4.5
30°-40°	2036.3	7.6
40°-50°	3852.7	14.3
50°-60°	6121.9	22.7
60°-70°	7573.2	28.1
70°-80°	4707.6	17.5
80°-90°	380.5	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°	26965.0	100.0
0°-180°	26965.0	100.0

**Coefficient of Utilization**

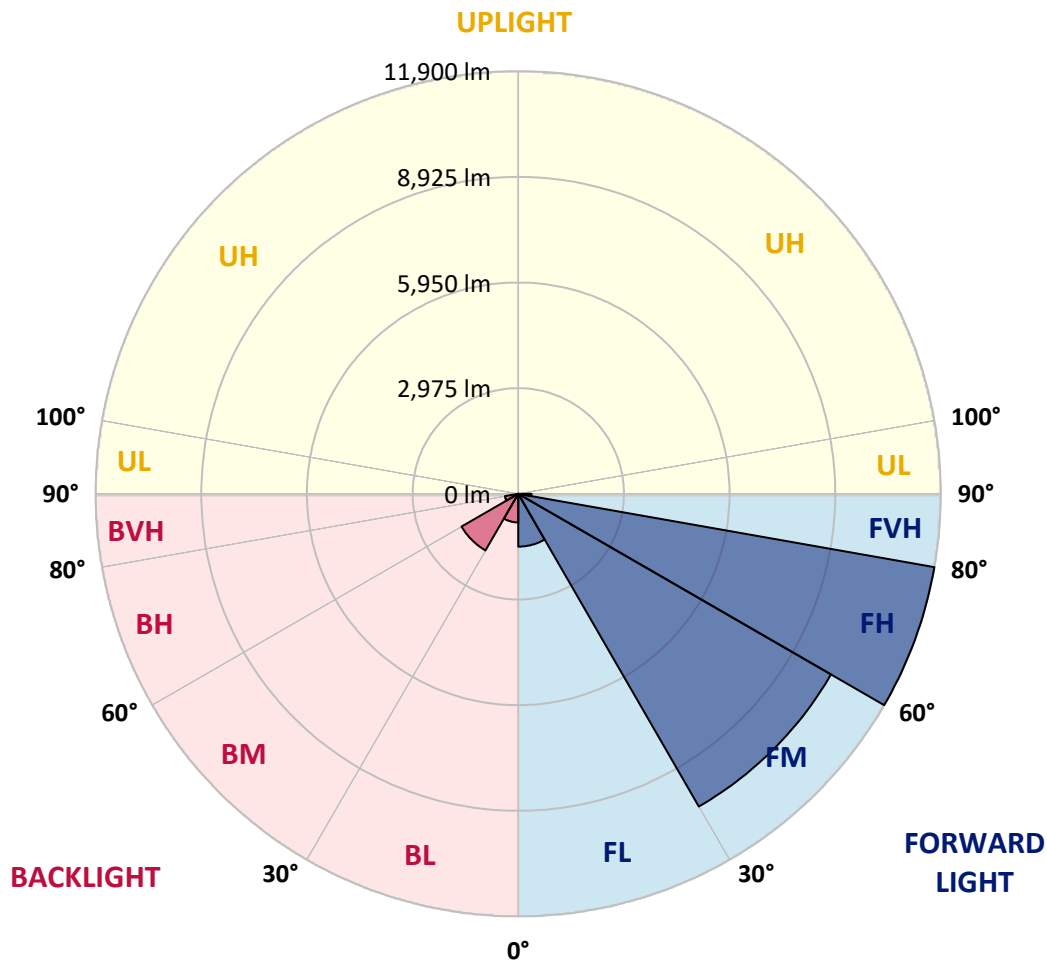


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1486.5	5.5			
FM	(30°-60°)	10168.5	37.7			
FH	(60°-80°)	11900.0	44.1			G4/12000
FVH	(80°-90°)	375.3	1.4			G3/500
BL	(0°-30°)	806.4	3.0	B2/1000		
BM	(30°-60°)	1842.4	6.8	B2/2500		
BH	(60°-80°)	380.8	1.4	B1/500		G1/500
BVH	(80°-90°)	5.2	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°	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1
2.5°	3734.3	3765.9	3771.8	3781.7	3781.7	3793.5	3813.3	3841.0	3886.4	3910.1
5°	3441.8	3465.6	3495.2	3518.9	3564.3	3570.3	3647.3	3722.4	3827.1	3906.2
7.5°	3147.4	3175.1	3214.6	3271.9	3331.2	3349.0	3465.6	3592.0	3758.0	3906.2
10°	2940.0	2942.0	2977.5	3034.8	3129.7	3151.4	3293.7	3473.5	3680.9	3882.4
12.5°	2823.4	2837.2	2853.1	2896.5	2987.4	3001.2	3153.4	3364.8	3603.9	3868.6
15°	2823.4	2833.3	2843.2	2864.9	2938.0	2949.9	3084.2	3295.6	3564.3	3874.5
17.5°	2853.1	2868.9	2861.0	2886.6	2963.7	2971.6	3090.2	3275.9	3562.4	3912.1
20°	2924.2	2936.0	2920.2	2936.0	3013.1	3028.9	3151.4	3313.4	3596.0	3977.3
22.5°	3036.8	3042.7	3005.2	3017.0	3096.1	3115.8	3258.1	3420.1	3677.0	4082.0
25°	3179.1	3190.9	3133.6	3147.4	3222.5	3246.2	3410.2	3580.1	3805.4	4226.2
27.5°	3343.1	3349.0	3299.6	3297.6	3394.4	3428.0	3594.0	3777.7	3977.3	4408.0
30°	3530.8	3548.5	3501.1	3493.2	3615.7	3643.4	3807.4	4020.8	4230.2	4680.7
32.5°	3678.9	3692.8	3665.1	3684.9	3809.3	3831.1	4066.2	4364.5	4627.3	5067.9
35°	3892.3	3900.2	3837.0	3872.6	4014.8	4070.1	4419.9	4846.6	5127.2	5554.0
37.5°	4664.9	4664.9	4396.2	4220.3	4356.6	4406.0	4903.9	5453.2	5743.7	6206.0
40°	5733.8	5716.0	5322.8	4963.2	4945.4	5042.2	5593.5	6217.8	6539.9	6988.4
42.5°	6873.8	6846.1	6310.7	5955.1	5895.8	5929.4	6389.7	7160.3	7488.3	7942.7
45°	7885.4	7877.5	7387.5	6909.4	6802.7	6909.4	7383.6	8262.8	8497.9	8976.1
47.5°	8733.0	8733.0	8375.4	8063.2	8007.9	8071.1	8729.1	9485.8	9464.1	10076.6
50°	9709.1	9701.2	9361.3	9227.0	9284.3	9373.2	10278.1	10774.0	10463.8	11157.3
52.5°	10392.7	10440.1	10323.6	10301.8	10594.2	10748.4	11850.8	12034.6	11358.9	12182.8
55°	10934.1	10989.4	11123.8	11275.9	11839.0	12040.5	13374.2	13230.0	12107.7	13071.9
57.5°	11700.7	11621.7	11829.1	12129.4	13040.3	13283.3	14850.1	14358.1	12710.3	13793.1
60°	12631.3	12643.1	12678.7	13058.1	14239.6	14551.8	16304.3	15425.1	13097.6	14235.6
62.5°	13749.6	13767.4	13840.5	14423.3	15849.9	16144.3	17853.3	16298.4	13275.4	14111.2
65°	13672.5	13747.6	14563.6	16557.2	18297.9	18588.3	19661.2	16910.9	13006.7	12973.1
67.5°	12455.4	12577.9	13943.2	19106.0	21988.7	22312.7	21846.4	17031.4	11846.9	10088.4
70°	10859.0	10902.5	12544.4	21397.9	26262.3	26590.3	23802.5	15705.6	8989.9	5627.1
72.5°	8480.1	8490.0	10416.4	21929.4	28581.9	28599.7	22267.3	11659.2	4834.8	2161.5
75°	6057.8	5998.5	6976.6	17784.2	25146.0	25347.5	16693.5	5469.0	1847.4	1021.5
77.5°	3248.2	3313.4	3947.6	10546.8	17371.2	17715.0	9108.4	1576.7	940.5	695.5
80°	1003.7	1059.0	1618.2	4828.9	9839.5	10046.9	3376.6	701.4	656.0	495.9
82.5°	316.1	328.0	754.8	2029.1	4084.0	4178.8	978.0	397.1	448.5	328.0
85°	90.9	92.9	335.9	756.7	1009.6	1029.4	274.6	154.1	256.9	203.5
87.5°	9.9	31.6	126.5	126.5	88.9	86.9	29.6	33.6	73.1	25.7
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°
3908.1	0°	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1	3908.1
3925.9	2.5°	3916.0	3918.0	3892.3	3848.9	3801.4	3761.9	3712.5	3673.0	3645.4	3637.4
3961.5	5°	3943.7	3929.9	3856.8	3724.4	3566.3	3430.0	3277.9	3157.3	3078.3	3044.7
3999.0	7.5°	3985.2	3945.7	3785.6	3524.8	3222.5	2953.8	2681.2	2469.8	2335.4	2268.2
4034.6	10°	4020.8	3941.7	3667.1	3236.4	2774.0	2367.0	1999.5	1744.6	1602.4	1535.2
4076.1	12.5°	4054.3	3939.7	3513.0	2894.5	2268.2	1770.3	1428.5	1302.1	1262.5	1248.7
4143.3	15°	4117.6	3945.7	3319.3	2503.3	1764.4	1337.6	1213.1	1211.2	1219.1	1215.1
4246.0	17.5°	4204.5	3951.6	3100.0	2088.4	1361.3	1179.6	1173.6	1191.4	1203.3	1197.3
4374.4	20°	4317.1	3975.3	2866.9	1677.5	1169.7	1140.0	1153.9	1169.7	1179.6	1169.7
4546.3	22.5°	4475.2	4016.8	2612.0	1347.5	1108.4	1116.3	1128.2	1146.0	1155.8	1142.0
4765.6	25°	4668.8	4082.0	2361.1	1171.6	1078.8	1088.7	1106.4	1126.2	1138.1	1124.2
5042.2	27.5°	4919.7	4186.7	2129.9	1132.1	1049.1	1055.1	1080.8	1110.4	1126.2	1108.4
5435.4	30°	5283.3	4358.6	1930.4	1149.9	1031.4	1017.5	1053.1	1094.6	1112.4	1096.6
5970.9	32.5°	5765.4	4601.6	1807.9	1177.6	1023.5	974.1	1007.7	1061.0	1090.6	1080.8
6670.3	35°	6397.6	4971.1	1760.4	1209.2	1017.5	928.6	952.3	1009.6	1061.0	1070.9
7551.5	37.5°	7164.3	5484.8	1774.3	1223.0	999.8	891.1	902.9	952.3	1019.5	1051.1
8543.4	40°	8035.6	6083.5	1853.3	1209.2	980.0	859.5	861.4	899.0	958.3	1005.7
9610.3	42.5°	8934.6	6782.9	1999.5	1157.8	962.2	831.8	825.9	851.6	891.1	924.7
10675.2	45°	9790.1	7502.1	2143.7	1086.7	940.5	804.2	790.3	800.2	808.1	821.9
11712.5	47.5°	10536.9	8007.9	2102.3	1021.5	910.8	772.5	748.8	744.9	721.2	719.2
12639.2	50°	11052.6	8118.6	1867.1	956.3	867.4	737.0	699.4	675.7	634.2	614.5
13332.7	52.5°	11216.6	7681.9	1525.3	891.1	796.2	689.6	636.2	598.7	547.3	529.5
13731.8	55°	10999.3	6826.4	1219.1	812.1	697.5	626.3	567.1	517.7	476.2	454.4
13775.3	57.5°	10467.8	5737.7	964.2	719.2	592.7	555.2	495.9	446.5	411.0	389.2
13293.2	60°	9586.6	4556.2	762.7	608.5	505.8	478.1	416.9	385.3	353.7	328.0
12048.4	62.5°	8249.0	3252.2	598.7	482.1	422.8	391.2	355.6	331.9	294.4	258.8
9809.8	65°	6437.2	1989.6	462.3	353.7	339.8	324.0	302.3	280.6	235.1	199.6
6399.6	67.5°	4060.3	942.5	330.0	266.7	268.7	260.8	250.9	233.1	199.6	167.9
2866.9	70°	1788.1	456.4	217.3	203.5	199.6	199.6	207.5	201.5	169.9	140.3
995.8	72.5°	608.5	245.0	162.0	154.1	144.2	142.3	173.9	167.9	136.3	108.7
495.9	75°	318.1	164.0	118.5	110.6	86.9	104.7	138.3	130.4	96.8	71.1
328.0	77.5°	207.5	116.6	81.0	71.1	49.4	69.2	102.7	90.9	57.3	35.6
215.4	80°	130.4	77.1	47.4	33.6	23.7	37.5	55.3	39.5	21.7	7.9
126.5	82.5°	69.2	39.5	17.8	11.9	9.9	11.9	13.8	9.9	4.0	0.0
65.2	85°	27.7	13.8	5.9	4.0	2.0	0.0	4.0	2.0	0.0	0.0
11.9	87.5°	9.9	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

(END O



180°
3908.1
3651.3
3056.6
2278.1
1537.2
1244.8
1213.1
1195.4
1167.7
1140.0
1122.3
1108.4
1094.6
1080.8
1070.9
1059.0
1021.5
938.5
829.8
717.2
616.4
527.5
454.4
385.3
322.1
252.9
193.6
164.0
134.4
102.7
65.2
31.6
5.9
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