

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: P848375

Luminaire Tested: **GLAN-SB4D-930-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848375  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20092 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

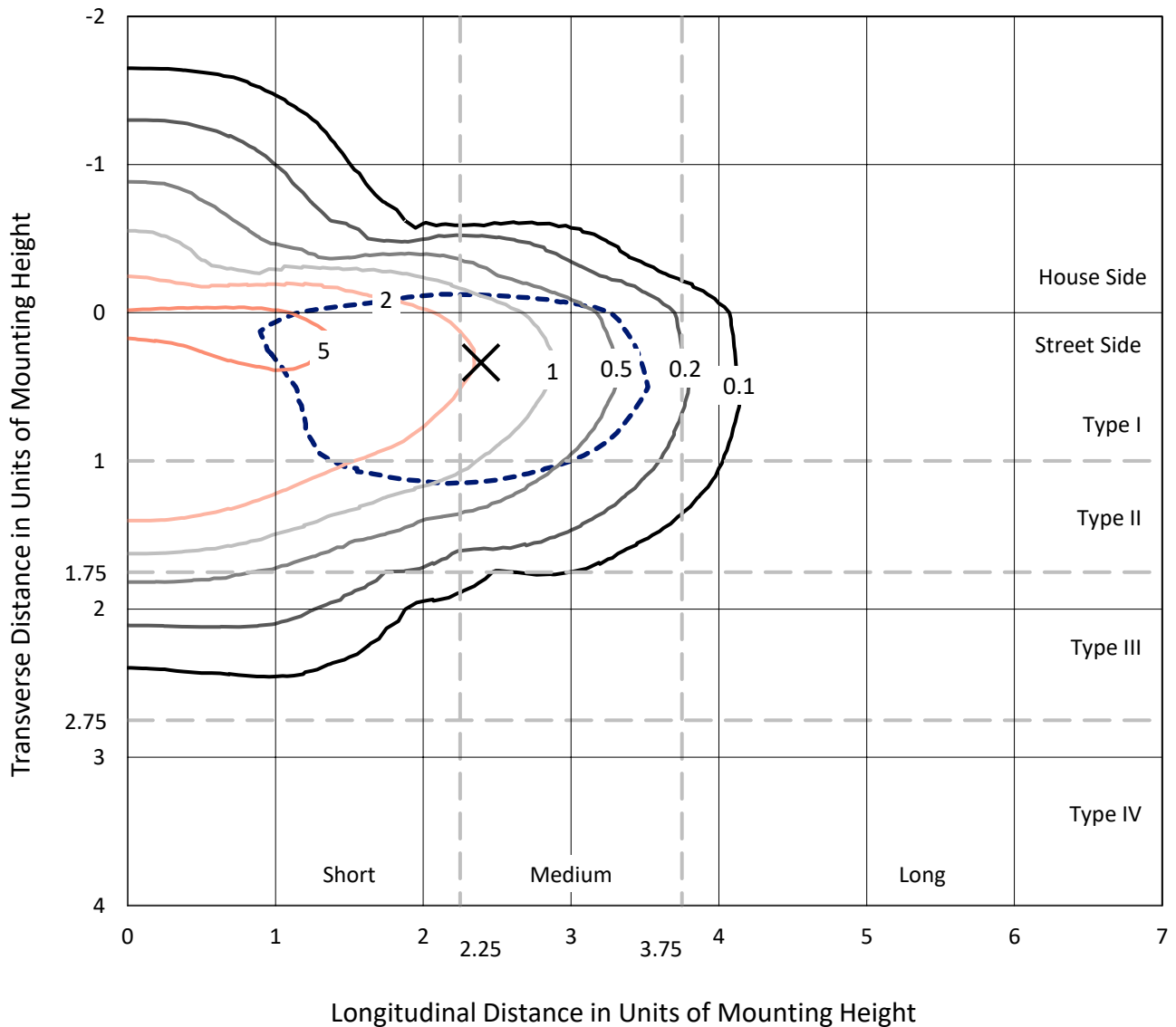
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

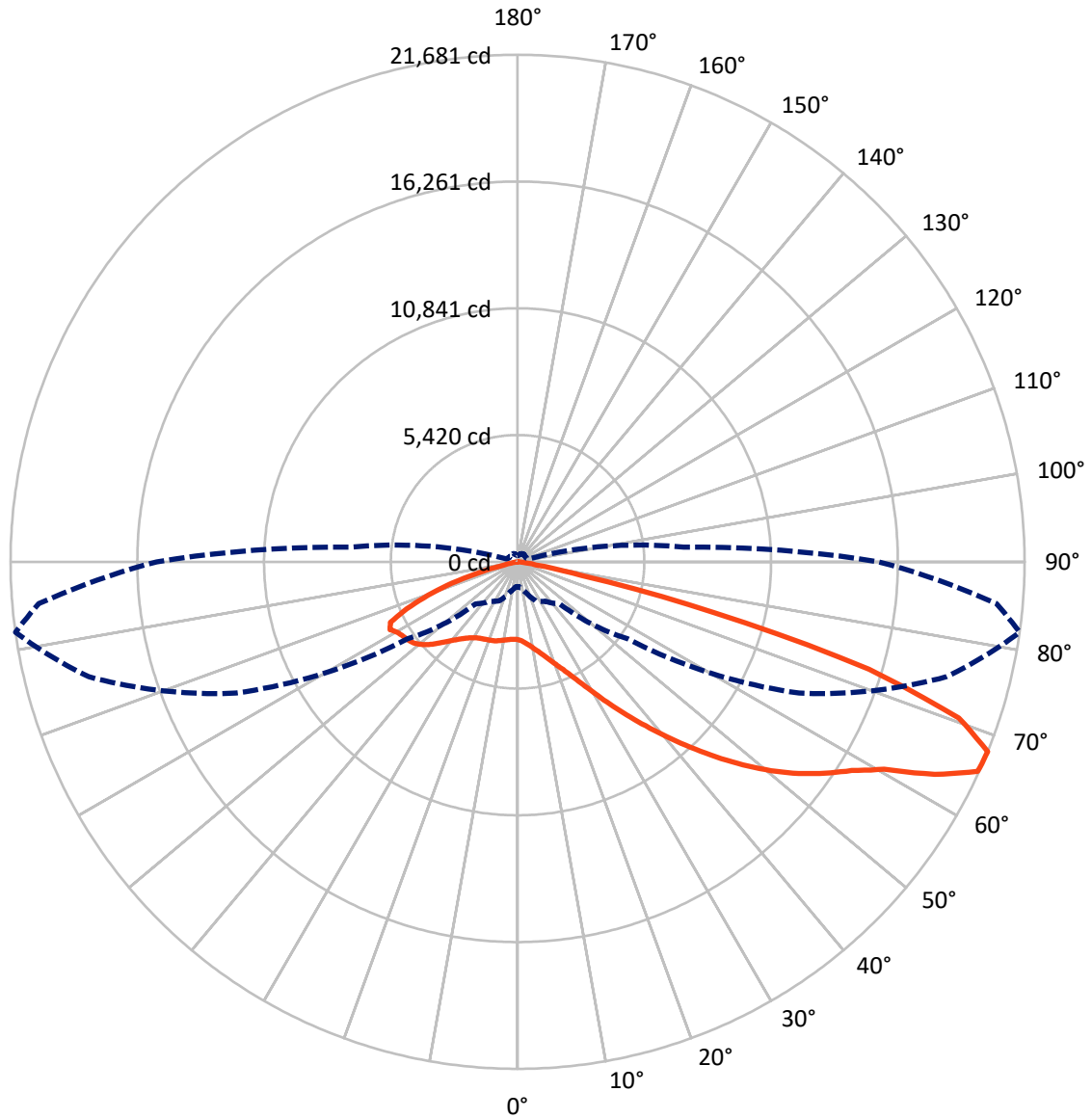
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3639.5	0.0	3639.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	16452.5	0.0	16452.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	20092.0	0.0	20092.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.6	1.5
10°-20°	770.6	3.8
20°-30°	1234.3	6.1
30°-40°	2182.6	10.9
40°-50°	3824.1	19.0
50°-60°	5100.3	25.4
60°-70°	4748.1	23.6
70°-80°	1822.3	9.1
80°-90°	113.2	0.6
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°	20092.0	100.0
0°-180°	20092.0	100.0

**Coefficient of Utilization**

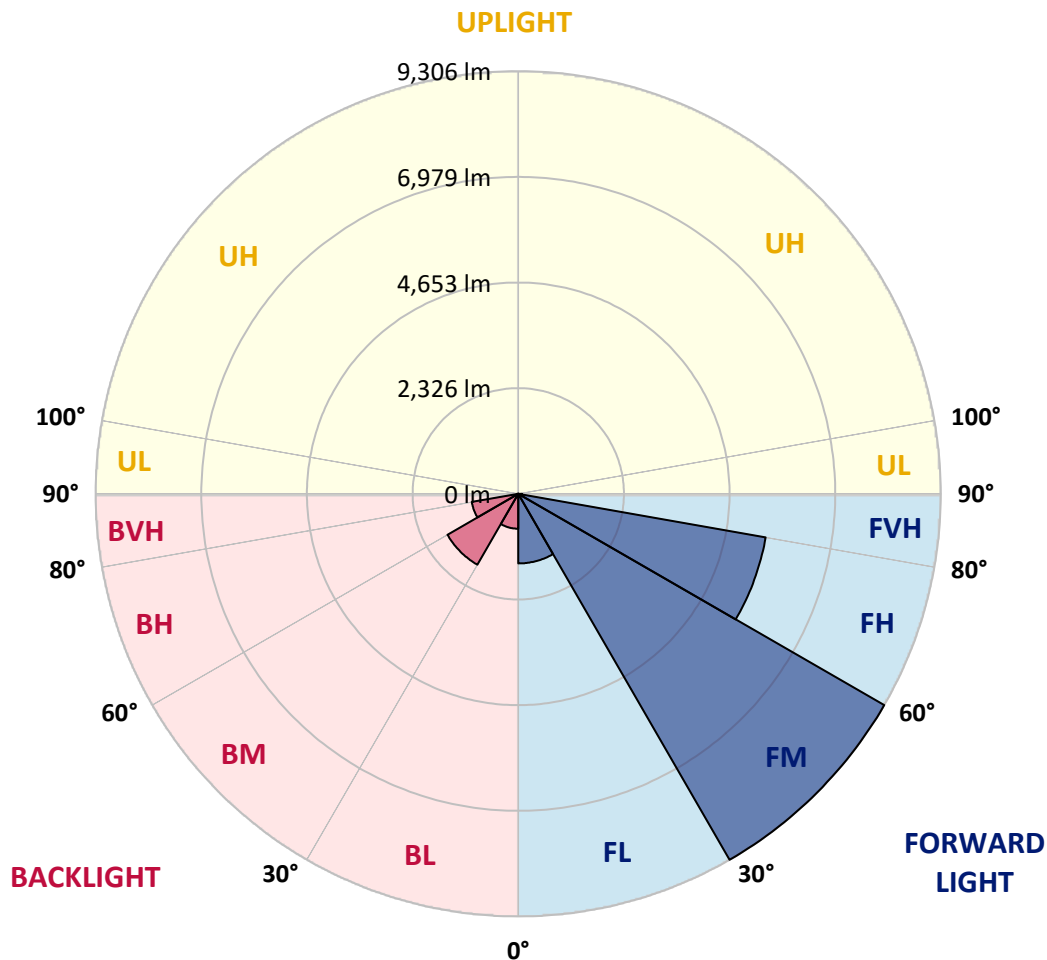


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1532.8	7.6			
FM (30°-60°)	9305.8	46.3			
FH (60°-80°)	5531.6	27.5			G3/7500
FVH (80°-90°)	82.3	0.4			G1/100
BL (0°-30°)	768.7	3.8	B2/1000		
BM (30°-60°)	1801.2	9.0	B2/2500		
BH (60°-80°)	1038.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6
2.5°	3518.1	3538.3	3526.7	3521.0	3510.8	3496.4	3484.8	3448.6	3411.0	3386.4
5°	3588.9	3609.2	3607.8	3613.5	3620.8	3625.1	3622.2	3581.7	3528.2	3486.2
7.5°	3528.2	3551.3	3570.1	3599.1	3649.7	3703.2	3729.3	3720.6	3665.6	3607.8
10°	3356.0	3380.6	3425.5	3493.5	3600.5	3716.2	3813.2	3858.0	3823.3	3759.6
12.5°	3040.7	3065.3	3153.5	3301.1	3480.5	3681.5	3866.7	3986.8	3995.4	3931.8
15°	2686.3	2710.9	2804.9	2990.1	3263.5	3586.1	3895.6	4122.7	4199.4	4144.4
17.5°	2466.4	2488.1	2559.0	2708.0	2993.0	3395.1	3885.5	4267.4	4442.4	4399.0
20°	2399.9	2418.7	2451.9	2556.1	2793.3	3196.9	3819.0	4403.4	4704.3	4679.7
22.5°	2470.7	2488.1	2498.2	2544.5	2693.5	3066.7	3735.1	4542.2	5008.0	5010.9
25°	2634.2	2651.6	2640.0	2668.9	2734.0	3026.2	3703.2	4705.7	5389.9	5421.8
27.5°	2903.3	2904.7	2877.2	2875.8	2885.9	3087.0	3736.5	4880.7	5871.6	5930.9
30°	3442.8	3421.1	3315.5	3201.3	3149.2	3269.3	3829.1	5087.6	6440.1	6545.7
32.5°	4274.6	4242.8	4049.0	3775.6	3500.7	3562.9	3995.4	5323.4	7059.3	7250.2
35°	5177.3	5168.6	4966.1	4559.6	4079.3	3981.0	4265.9	5633.0	7734.8	8038.6
37.5°	6016.3	6012.0	5896.2	5417.4	4833.0	4563.9	4699.9	6038.0	8458.1	8897.9
40°	6783.0	6796.0	6680.3	6252.1	5663.3	5311.8	5290.1	6538.5	9262.4	9833.8
42.5°	7445.5	7460.0	7342.8	7026.0	6483.5	6139.3	6014.9	7151.9	10047.9	10839.2
45°	7895.4	7985.1	7967.7	7714.6	7325.4	6968.1	6885.7	7921.4	10943.3	11905.3
47.5°	8022.7	8105.1	8235.3	8270.1	8032.8	7681.3	7779.7	8848.7	11848.9	12972.9
50°	7708.8	7785.5	8056.0	8416.2	8581.1	8472.6	8649.1	9842.5	12776.1	14037.5
52.5°	7089.7	7167.8	7509.2	8079.1	8751.8	9093.2	9521.3	10821.8	13674.5	15045.8
55°	6194.2	6276.7	6715.0	7360.2	8426.3	9349.2	10249.0	11799.7	14497.6	15952.8
57.5°	4976.2	5037.0	5492.6	6395.3	7607.5	9094.6	10785.6	12867.3	15272.9	16843.9
60°	3243.2	3296.7	3826.2	4833.0	6250.6	8244.0	10892.7	14057.8	16302.9	18002.6
62.5°	2156.8	2193.0	2506.9	3246.1	4401.9	6610.8	10266.3	15008.2	17813.1	20019.1
65°	1479.8	1516.0	1829.9	2344.9	2844.0	4373.0	8465.3	14882.3	19181.6	21620.5
67.5°	1056.0	1086.4	1352.5	1838.6	2058.5	2540.2	5738.6	13273.8	18984.8	21681.2
70°	756.6	773.9	993.8	1432.1	1636.1	1526.1	3191.1	10152.0	16622.6	20020.6
72.5°	529.4	535.2	690.0	1090.7	1317.8	1113.9	1518.9	6768.5	12572.2	15714.1
75°	358.8	366.0	464.3	800.0	1057.4	850.6	804.3	3629.5	7380.4	8698.2
77.5°	219.9	222.8	299.4	546.8	791.3	648.1	517.9	1537.7	2855.5	2803.5
80°	124.4	124.4	190.9	339.9	539.6	418.1	363.1	653.9	904.1	794.2
82.5°	69.4	70.9	138.9	211.2	357.3	247.4	199.6	302.3	390.6	345.7
85°	28.9	31.8	85.3	99.8	170.7	123.0	81.0	127.3	144.7	128.7
87.5°	2.9	4.3	26.0	18.8	20.3	24.6	11.6	24.6	20.3	20.3
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°
3328.6	0°	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6	3328.6
3377.7	2.5°	3350.3	3328.6	3273.6	3209.9	3126.0	3085.5	3030.6	2993.0	2961.1	2964.0
3461.6	5°	3415.4	3360.4	3237.4	3084.1	2893.1	2757.2	2612.5	2512.7	2431.7	2414.3
3577.4	7.5°	3505.0	3418.3	3202.7	2926.4	2603.8	2359.4	2140.9	2000.6	1900.8	1869.0
3717.7	10°	3620.8	3494.9	3157.9	2728.2	2263.9	1952.9	1718.5	1608.6	1540.6	1517.5
3882.6	12.5°	3755.3	3583.2	3098.6	2486.7	1913.8	1614.4	1465.4	1410.4	1388.7	1381.5
4085.1	15°	3924.6	3693.1	3008.9	2200.2	1617.3	1407.5	1343.9	1336.6	1339.5	1336.6
4328.1	17.5°	4125.6	3813.2	2862.8	1905.1	1417.6	1301.9	1278.8	1284.6	1291.8	1290.3
4600.1	20°	4345.5	3931.8	2676.2	1643.3	1281.7	1226.7	1213.7	1219.5	1225.2	1222.4
4914.0	22.5°	4595.8	4059.1	2469.3	1439.3	1190.5	1157.3	1142.8	1144.2	1144.2	1138.5
5311.8	25°	4895.2	4199.4	2252.3	1294.7	1121.1	1095.1	1077.7	1071.9	1063.2	1045.9
5795.0	27.5°	5252.5	4348.4	2044.0	1193.4	1066.1	1041.5	1021.3	1006.8	985.1	956.2
6375.0	30°	5654.7	4529.2	1867.5	1129.8	1022.7	998.1	975.0	953.3	921.5	885.3
7041.9	32.5°	6127.7	4723.1	1738.8	1087.8	983.7	957.6	930.1	904.1	869.4	833.2
7791.2	35°	6691.8	4957.4	1663.6	1058.9	953.3	918.6	888.2	859.3	833.2	801.4
8605.7	37.5°	7303.7	5206.2	1640.4	1044.4	933.0	879.5	844.8	824.5	821.7	802.8
9486.6	40°	7973.5	5501.3	1657.8	1035.7	911.3	841.9	804.3	800.0	807.2	773.9
10428.3	42.5°	8682.3	5851.4	1686.7	1025.6	881.0	804.3	768.1	768.1	762.3	716.1
11423.6	45°	9449.0	6255.0	1715.6	1001.0	844.8	766.7	739.2	729.1	704.5	659.6
12424.6	47.5°	10221.5	6665.8	1737.3	956.2	801.4	734.9	710.3	687.1	651.0	610.5
13406.8	50°	10954.9	7034.7	1714.2	889.6	752.2	704.5	678.4	646.6	607.6	580.1
14337.0	52.5°	11610.2	7354.4	1615.8	811.5	700.1	672.7	649.5	616.2	584.4	555.5
15176.0	55°	12180.1	7613.3	1442.2	737.8	653.9	645.2	622.0	580.1	536.7	512.1
16007.8	57.5°	12726.9	7810.0	1225.2	677.0	611.9	614.8	580.1	542.5	502.0	475.9
17128.9	60°	13454.6	8073.3	1005.4	620.6	567.1	575.7	538.1	510.6	460.0	426.7
19051.4	62.5°	14617.6	8482.7	798.5	551.1	515.0	517.9	502.0	468.7	407.9	368.9
20476.2	65°	15540.5	8332.3	629.3	475.9	455.7	460.0	460.0	423.8	358.8	313.9
20552.9	67.5°	15436.4	7134.5	502.0	402.1	399.3	402.1	412.3	381.9	318.2	282.1
18987.7	70°	14219.8	5674.9	402.1	334.2	347.2	339.9	368.9	348.6	286.4	250.3
14720.3	72.5°	11603.0	4088.0	306.7	276.3	266.2	277.7	332.7	313.9	238.7	198.2
7797.0	75°	6780.1	2181.4	228.6	218.4	192.4	231.5	295.1	267.6	182.3	146.1
2389.7	77.5°	2207.5	760.9	167.8	160.6	143.2	186.6	251.7	225.7	149.0	115.7
700.1	80°	591.6	230.0	114.3	105.6	92.6	138.9	199.6	179.4	107.0	75.2
300.9	82.5°	237.2	96.9	66.5	59.3	50.6	95.5	157.7	144.7	79.6	47.7
94.0	85°	76.7	31.8	24.6	18.8	23.1	59.3	94.0	98.4	56.4	24.6
14.5	87.5°	10.1	4.3	4.3	5.8	4.3	10.1	28.9	27.5	15.9	2.9
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



<u>180°</u>
3328.6
2935.1
2375.3
1837.1
1500.1
1377.1
1335.2
1287.4
1220.9
1135.6
1043.0
953.3
882.4
834.7
798.5
801.4
775.4
716.1
658.2
609.0
575.7
552.6
509.2
473.0
422.4
366.0
309.6
276.3
245.9
193.8
141.8
111.4
73.8
47.7
18.8
0.0
0.0

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