

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: P635904

Luminaire Tested: **IFLD-S-SA3D-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635904
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11364.2 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1
Input Voltage (V): 120
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: 25 FT



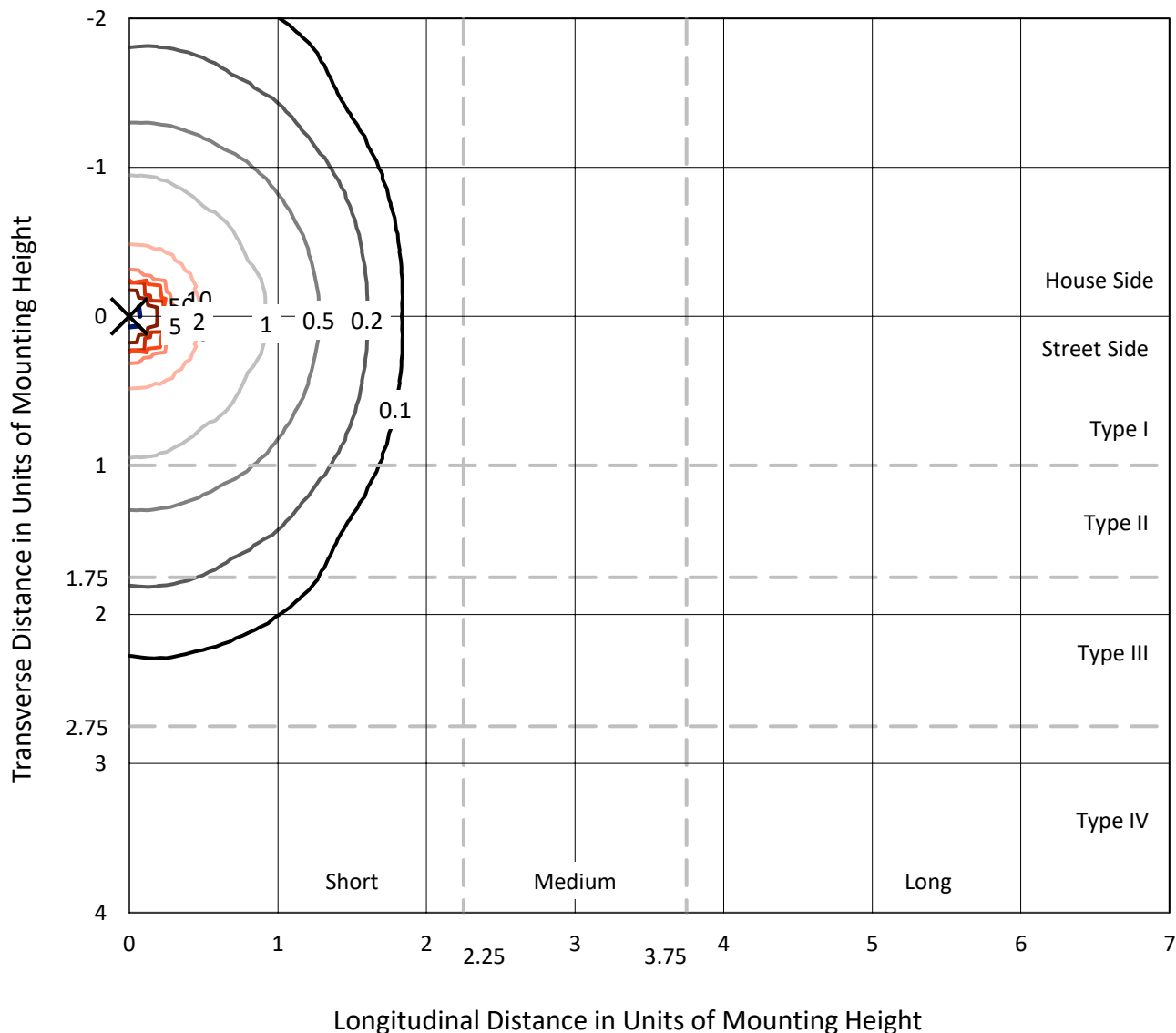
REPORT NUMBER: P635904

CATALOG NUMBER: IFLD-S-SA3D-935-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

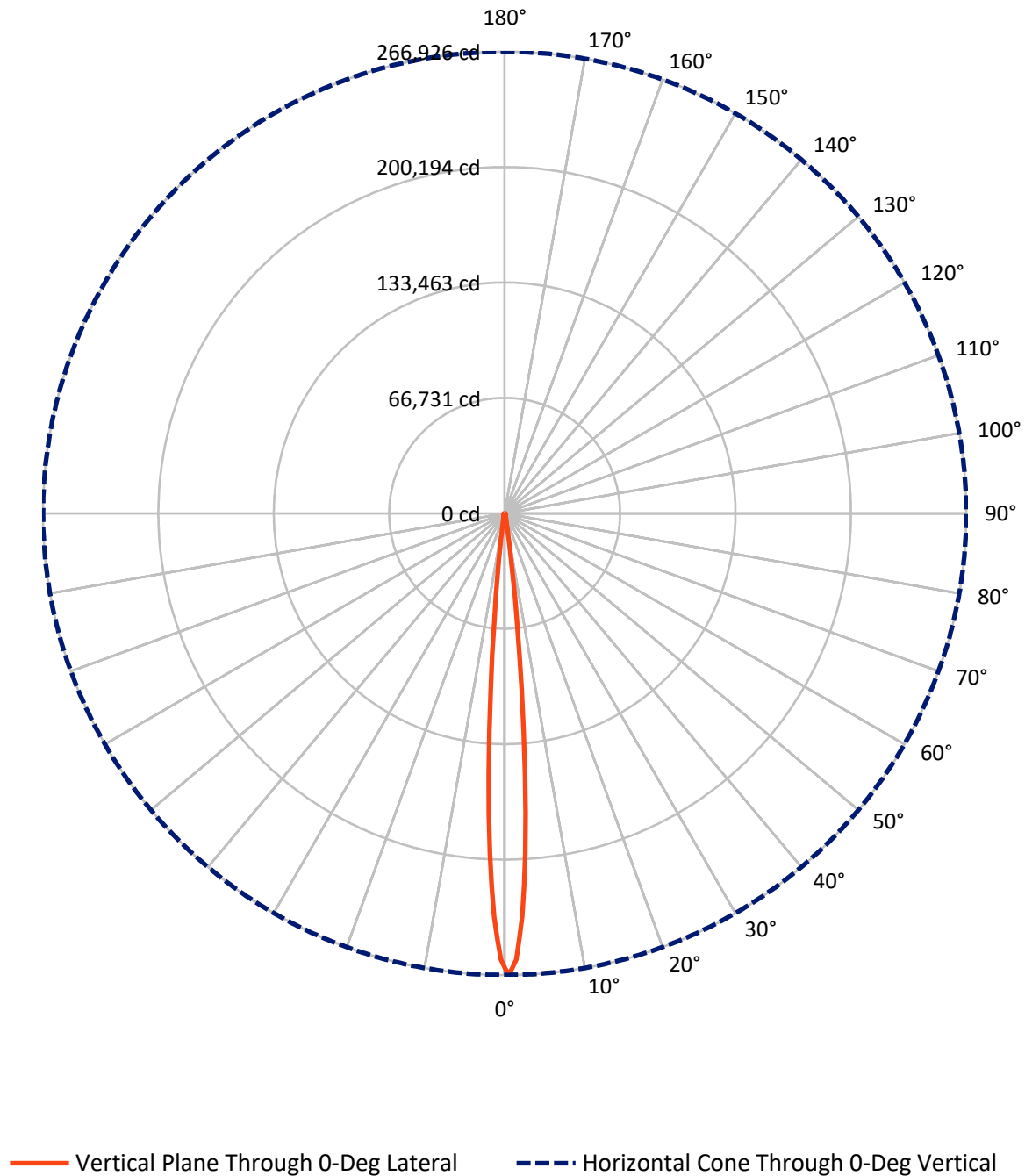


Based on 20 foot mounting height. Maximum calculated value = 667.3 fc

Type V - Short - N/A

REPORT NUMBER: P635904
CATALOG NUMBER: IFLD-S-SA3D-935-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635904

CATALOG NUMBER: IFLD-S-SA3D-935-U-11-VI

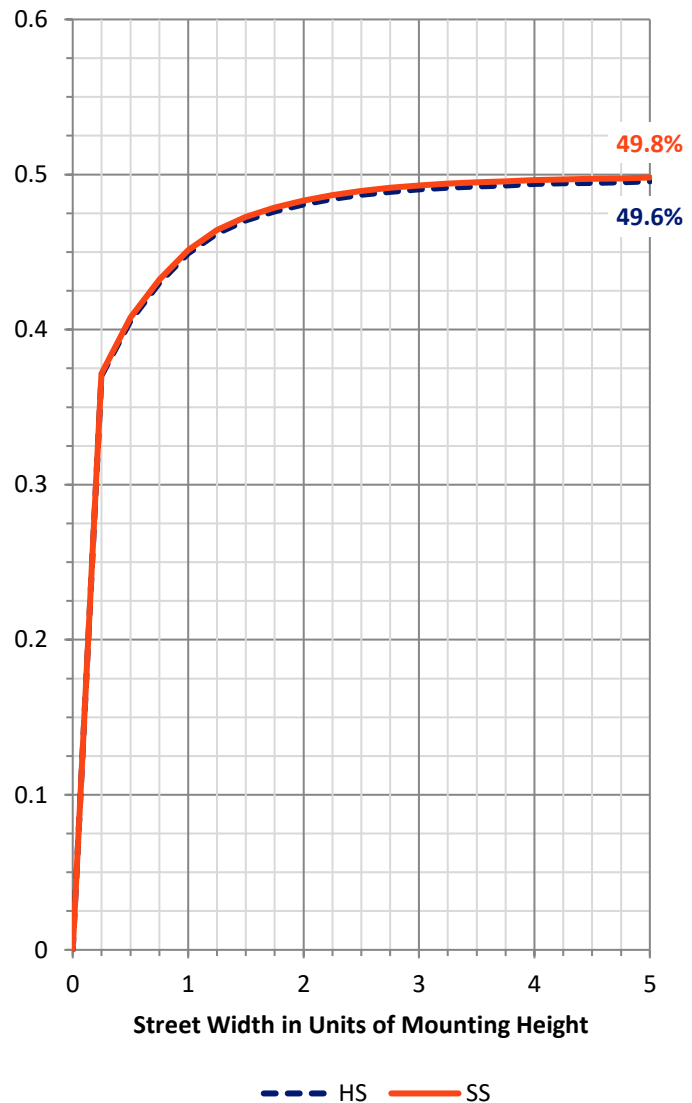
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5682.1	0.0	5682.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5682.1	0.0	5682.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11364.2	0.0	11364.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7172.8	63.1
10°-20°	886.5	7.8
20°-30°	531.1	4.7
30°-40°	571.1	5.0
40°-50°	767.9	6.8
50°-60°	684.5	6.0
60°-70°	452.1	4.0
70°-80°	224.2	2.0
80°-90°	74.0	0.7
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°	11364.2	100.0
0°-180°	11364.2	100.0



REPORT NUMBER: P635904

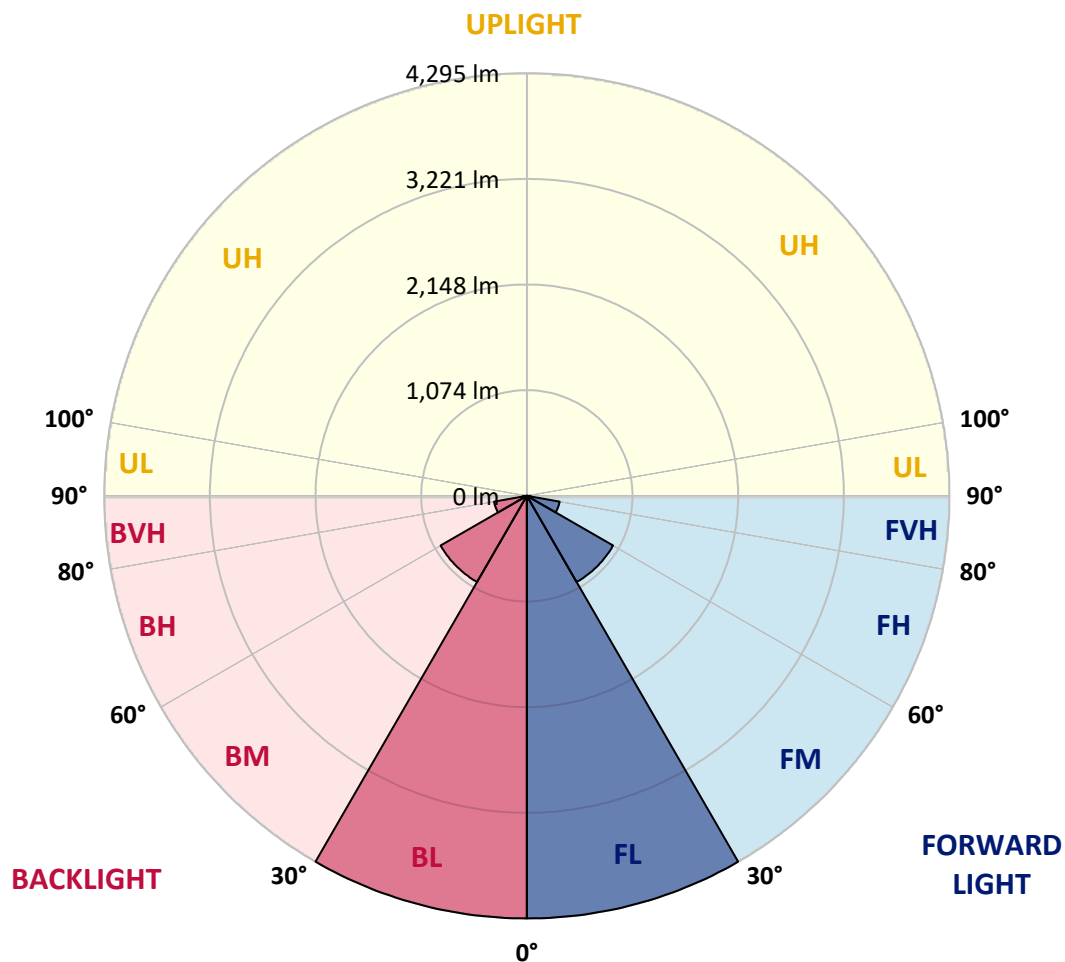
CATALOG NUMBER: IFLD-S-SA3D-935-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4295.2	37.8			
FM	(30°-60°)	1011.7	8.9			
FH	(60°-80°)	338.2	3.0			G0/660
FVH	(80°-90°)	37.0	0.3			G1/100
BL	(0°-30°)	4295.2	37.8	B4/5000		
BM	(30°-60°)	1011.7	8.9	B2/2500		
BH	(60°-80°)	338.2	3.0	B1/500		G0/660
BVH	(80°-90°)	37.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	266925.5	266925.5	266925.5	266925.5	266925.5	266925.5	266925.5	266925.5	266925.5	266925.5
1°	257978.6	255330.6	256692.6	257994.3	259819.8	260623.9	261443.7	262056.5	262046.1	263057.0
2°	233340.4	229073.9	231051.3	233476.6	238167.5	239513.7	241763.5	244547.7	244717.9	247237.5
3°	196677.9	190688.0	193600.5	197919.4	205695.6	207707.1	211313.6	213859.4	212722.7	215671.8
4°	150924.4	143109.0	147558.9	153952.2	161521.4	169200.7	169352.6	171178.1	167430.2	167249.4
5°	101823.7	94932.8	100642.5	108638.7	115178.6	120545.2	123850.6	124078.4	120026.6	119657.3
6°	62102.1	57542.2	62510.7	70973.0	80032.6	82264.1	82769.6	81622.4	76308.2	73366.9
7°	34323.6	32464.1	37319.9	42369.6	49433.4	52699.4	50439.1	46772.3	45145.9	41644.1
8°	18928.4	18011.7	19397.2	23760.7	29242.5	31387.6	29205.9	25397.7	22655.4	21686.4
9°	11411.5	10903.4	11469.1	13129.7	15497.4	16985.0	15735.7	13860.4	12702.8	12380.6
10°	7579.7	7380.7	7621.7	8182.1	9033.4	9468.1	9156.5	8412.6	8061.7	8040.7
12.5°	3978.5	3941.8	4002.0	4064.9	4211.6	4235.1	4180.1	4127.7	4046.5	4078.0
15°	2561.5	2527.5	2590.3	2671.5	2708.2	2731.7	2734.4	2705.6	2650.6	2624.4
17.5°	1867.4	1875.3	1880.5	1927.7	1998.4	2053.4	2029.8	1998.4	1935.5	1904.1
20°	1537.4	1540.0	1550.5	1576.7	1600.3	1676.2	1652.7	1605.5	1545.3	1521.7
22.5°	1314.8	1320.0	1325.3	1341.0	1346.2	1367.2	1369.8	1327.9	1293.8	1280.8
25°	1157.7	1157.7	1165.5	1178.6	1183.8	1168.1	1170.7	1152.4	1121.0	1105.3
27.5°	982.2	987.4	995.3	1000.5	990.0	971.7	948.1	963.8	948.1	911.5
30°	874.8	880.0	903.6	887.9	864.3	840.7	827.6	848.6	851.2	819.8
32.5°	866.9	869.5	877.4	869.5	840.7	811.9	793.6	817.2	822.4	809.3
35°	906.2	898.4	908.8	914.1	885.3	853.8	830.3	851.2	866.9	872.2
37.5°	1097.4	1052.9	1018.8	1008.4	990.0	969.1	937.6	942.9	971.7	997.9
40°	1045.0	1034.6	1021.5	987.4	953.4	979.6	942.9	932.4	997.9	1003.1
42.5°	1037.2	1045.0	1034.6	992.6	958.6	984.8	976.9	945.5	1011.0	1003.1
45°	1042.4	1050.3	1073.8	1003.1	974.3	987.4	1003.1	969.1	1034.6	1008.4
47.5°	1000.5	1011.0	1037.2	997.9	979.6	976.9	1000.5	969.1	1003.1	1000.5
50°	945.5	956.0	963.8	929.8	963.8	945.5	948.1	935.0	935.0	940.3
52.5°	874.8	885.3	893.1	853.8	874.8	882.6	851.2	848.6	825.0	832.9
55°	788.4	804.1	811.9	796.2	785.7	801.5	756.9	751.7	704.5	707.2
57.5°	688.8	704.5	712.4	730.7	722.9	691.4	665.3	644.3	591.9	571.0
60°	709.8	725.5	709.8	657.4	657.4	586.7	563.1	518.6	466.2	440.0
62.5°	686.2	707.2	704.5	649.5	584.1	495.0	453.1	406.0	353.6	319.5
65°	646.9	667.9	657.4	620.7	557.9	424.3	361.4	314.3	248.8	241.0
67.5°	581.4	612.9	591.9	568.4	518.6	385.0	288.1	235.7	180.7	180.7
70°	481.9	505.5	518.6	492.4	463.6	361.4	246.2	180.7	131.0	99.5
72.5°	387.6	408.6	429.5	416.4	390.2	327.4	220.0	144.1	94.3	57.6
75°	214.8	222.6	230.5	261.9	298.6	267.2	201.7	125.7	78.6	44.5
77.5°	165.0	172.9	191.2	175.5	162.4	206.9	220.0	146.7	68.1	31.4
80°	128.3	138.8	196.4	162.4	138.8	157.1	188.6	128.3	44.5	15.7
82.5°	96.9	104.8	138.8	154.5	146.7	117.9	102.1	86.4	39.3	10.5
85°	70.7	81.2	96.9	86.4	83.8	83.8	112.6	76.0	28.8	7.9
87.5°	41.9	41.9	44.5	41.9	39.3	39.3	44.5	36.7	18.3	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
266925.5
261024.6
245011.3
212518.4
166453.2
118161.8
73623.6
39999.3
20806.3
11943.2
7791.9
3960.1
2582.5
1870.1
1495.5
1265.0
1092.2
914.1
809.3
801.5
872.2
1021.5
1011.0
997.9
1000.5
995.3
921.9
819.8
688.8
557.9
419.1
314.3
241.0
159.8
89.1
55.0
39.3
15.7
10.5
7.9
5.2
5.2
0.0

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