

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: P635878

Luminaire Tested: **IFLD-S-SA6B-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635878
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15687.3 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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



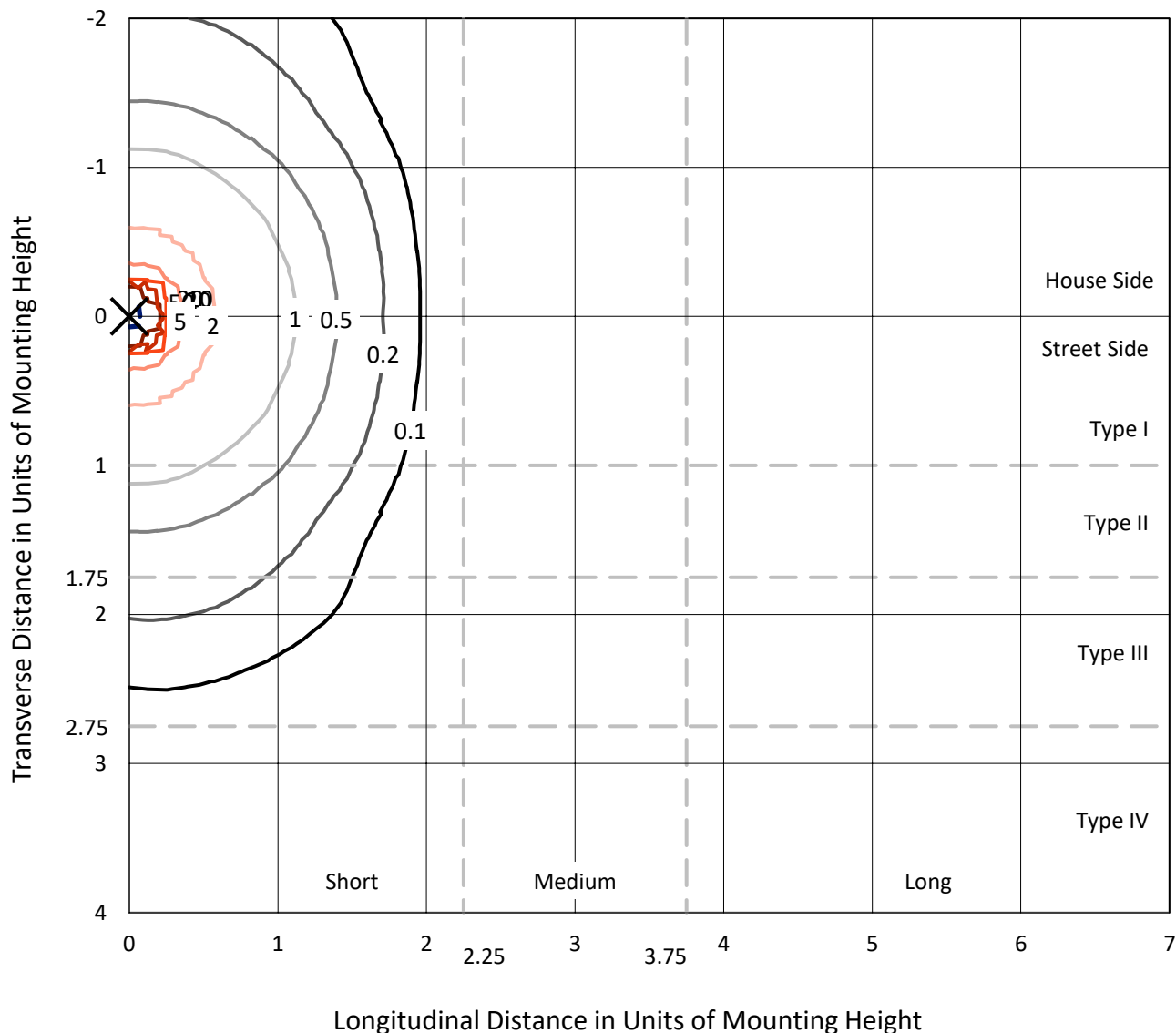
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

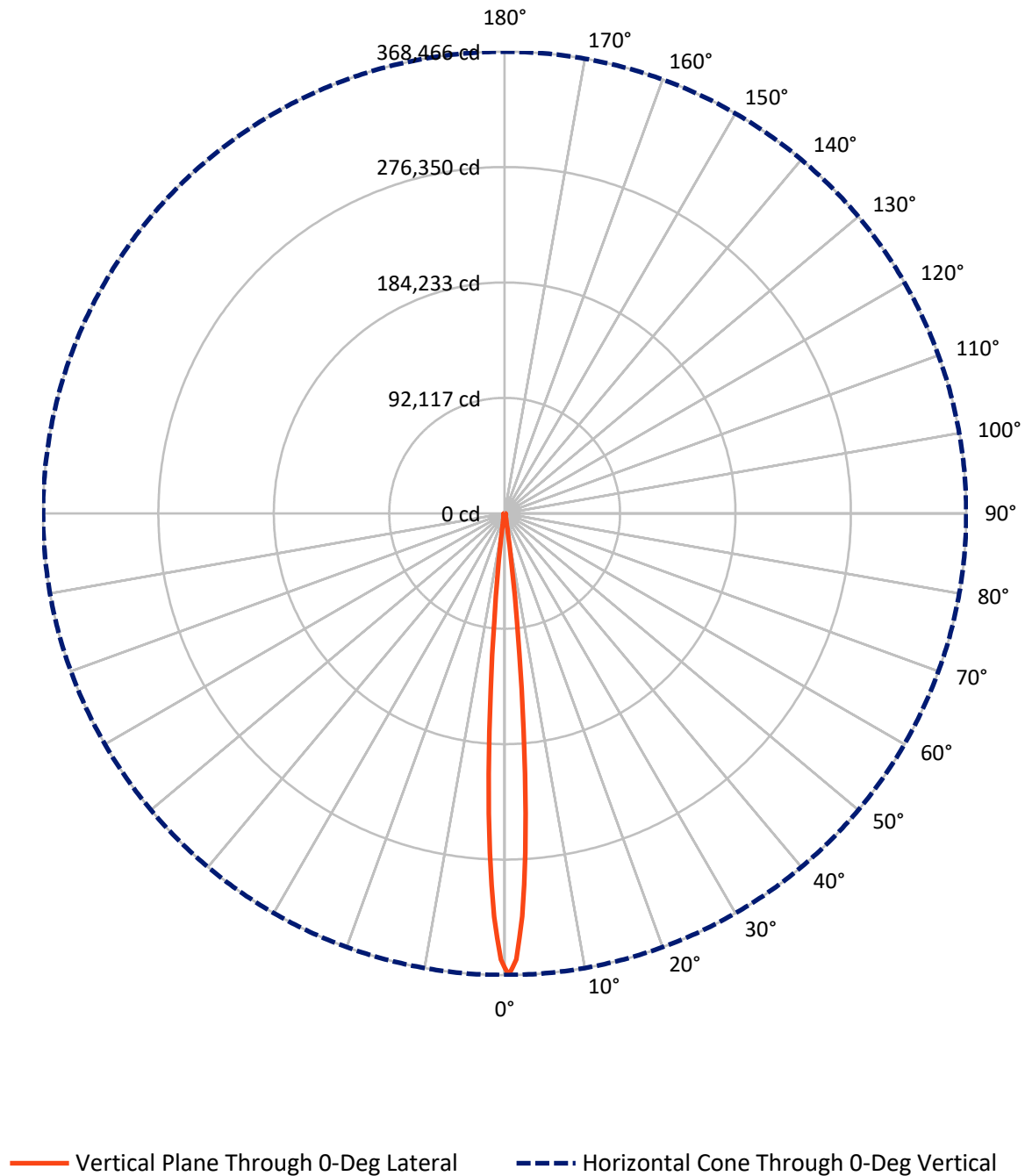


Based on 20 foot mounting height. Maximum calculated value = 921.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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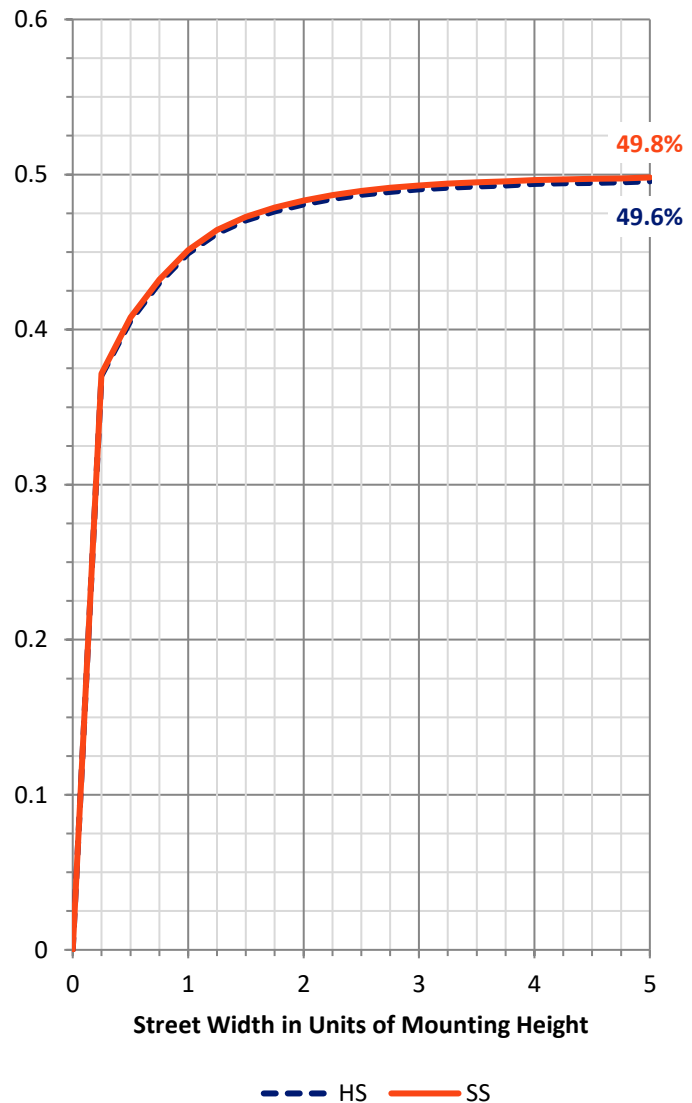
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7843.7	0.0	7843.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7843.7	0.0	7843.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15687.3	0.0	15687.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9901.5	63.1
10°-20°	1223.7	7.8
20°-30°	733.2	4.7
30°-40°	788.3	5.0
40°-50°	1060.0	6.8
50°-60°	944.9	6.0
60°-70°	624.1	4.0
70°-80°	309.5	2.0
80°-90°	102.2	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°	15687.3	100.0
0°-180°	15687.3	100.0



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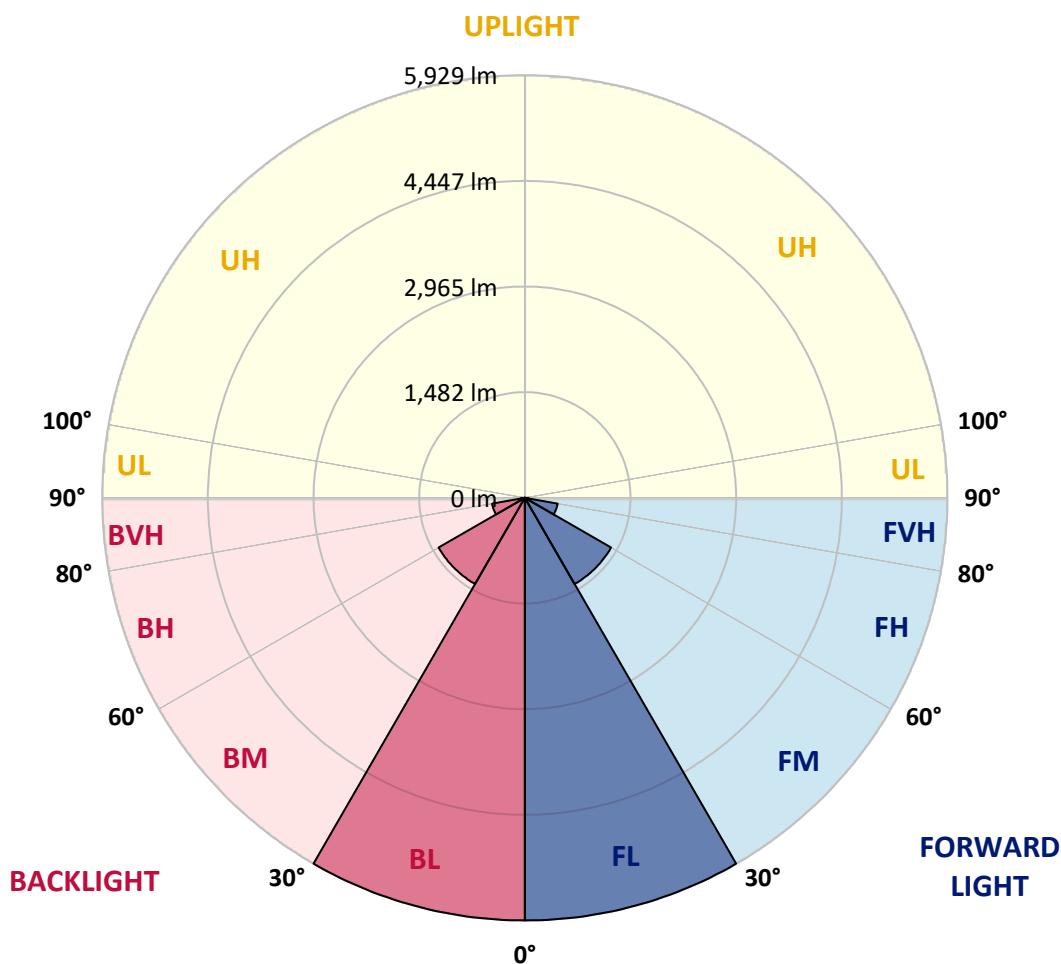
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5929.2	37.8			
FM	(30°-60°)	1396.6	8.9			
FH	(60°-80°)	466.8	3.0			G0/660
FVH	(80°-90°)	51.1	0.3			G1/100
BL	(0°-30°)	5929.2	37.8	B5		
BM	(30°-60°)	1396.6	8.9	B2/2500		
BH	(60°-80°)	466.8	3.0	B1/500		G0/660
BVH	(80°-90°)	51.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	368466.0	368466.0	368466.0	368466.0	368466.0	368466.0	368466.0	368466.0	368466.0	368466.0
1°	356115.6	352460.4	354340.4	356137.3	358657.3	359767.2	360898.9	361744.9	361730.4	363126.0
2°	322105.0	316215.4	318945.1	322293.0	328768.3	330626.6	333732.3	337575.6	337810.6	341288.6
3°	271495.8	263227.2	267247.6	273209.5	283943.8	286720.5	291699.0	295213.2	293644.1	297715.1
4°	208337.3	197548.8	203691.4	212516.8	222965.5	233566.0	233775.7	236295.7	231121.9	230872.5
5°	140558.3	131046.0	138927.7	149965.7	158993.5	166401.6	170964.3	171278.8	165685.7	165175.9
6°	85726.2	79431.7	86290.2	97971.8	110477.6	113558.0	114255.8	112672.2	105336.4	101276.3
7°	47380.6	44813.6	51516.7	58487.3	68238.2	72746.7	69626.5	64564.9	62319.7	57485.8
8°	26128.9	24863.5	26776.1	32799.5	40366.6	43327.7	40316.0	35059.1	31273.7	29936.0
9°	15752.6	15051.2	15832.1	18124.3	21392.7	23446.3	21721.7	19133.0	17535.0	17090.3
10°	10463.1	10188.4	10521.0	11294.7	12469.7	13069.9	12639.7	11612.9	11128.4	11099.5
12.5°	5491.9	5441.3	5524.4	5611.2	5813.7	5846.2	5770.3	5698.0	5585.9	5629.3
15°	3535.9	3488.9	3575.7	3687.8	3738.4	3770.9	3774.5	3734.8	3658.8	3622.7
17.5°	2577.8	2588.7	2595.9	2661.0	2758.6	2834.5	2802.0	2758.6	2671.8	2628.4
20°	2122.3	2125.9	2140.4	2176.5	2209.0	2313.9	2281.4	2216.3	2133.1	2100.6
22.5°	1815.0	1822.2	1829.4	1851.1	1858.3	1887.3	1890.9	1833.0	1786.0	1768.0
25°	1598.0	1598.0	1608.9	1627.0	1634.2	1612.5	1616.1	1590.8	1547.4	1525.7
27.5°	1355.8	1363.0	1373.9	1381.1	1366.6	1341.3	1308.8	1330.5	1308.8	1258.2
30°	1207.6	1214.8	1247.3	1225.6	1193.1	1160.6	1142.5	1171.4	1175.0	1131.6
32.5°	1196.7	1200.3	1211.2	1200.3	1160.6	1120.8	1095.5	1128.0	1135.3	1117.2
35°	1250.9	1240.1	1254.6	1261.8	1222.0	1178.6	1146.1	1175.0	1196.7	1203.9
37.5°	1514.9	1453.4	1406.4	1392.0	1366.6	1337.7	1294.3	1301.6	1341.3	1377.5
40°	1442.6	1428.1	1410.0	1363.0	1316.0	1352.2	1301.6	1287.1	1377.5	1384.7
42.5°	1431.7	1442.6	1428.1	1370.3	1323.3	1359.4	1348.6	1305.2	1395.6	1384.7
45°	1439.0	1449.8	1482.3	1384.7	1345.0	1363.0	1384.7	1337.7	1428.1	1392.0
47.5°	1381.1	1395.6	1431.7	1377.5	1352.2	1348.6	1381.1	1337.7	1384.7	1381.1
50°	1305.2	1319.6	1330.5	1283.5	1330.5	1305.2	1308.8	1290.7	1290.7	1298.0
52.5°	1207.6	1222.0	1232.9	1178.6	1207.6	1218.4	1175.0	1171.4	1138.9	1149.7
55°	1088.3	1109.9	1120.8	1099.1	1084.6	1106.3	1044.9	1037.6	972.6	976.2
57.5°	950.9	972.6	983.4	1008.7	997.9	954.5	918.3	889.4	817.1	788.2
60°	979.8	1001.5	979.8	907.5	907.5	809.9	777.3	715.9	643.6	607.4
62.5°	947.3	976.2	972.6	896.6	806.2	683.3	625.5	560.4	488.1	441.1
65°	893.0	921.9	907.5	856.9	770.1	585.7	498.9	433.9	343.5	332.6
67.5°	802.6	846.0	817.1	784.6	715.9	531.5	397.7	325.4	249.5	249.5
70°	665.2	697.8	715.9	679.7	639.9	498.9	339.9	249.5	180.8	137.4
72.5°	535.1	564.0	592.9	574.9	538.7	451.9	303.7	198.9	130.2	79.5
75°	296.5	307.3	318.2	361.5	412.2	368.8	278.4	173.5	108.5	61.5
77.5°	227.8	238.6	263.9	242.2	224.2	285.6	303.7	202.5	94.0	43.4
80°	177.2	191.6	271.2	224.2	191.6	216.9	260.3	177.2	61.5	21.7
82.5°	133.8	144.6	191.6	213.3	202.5	162.7	141.0	119.3	54.2	14.5
85°	97.6	112.1	133.8	119.3	115.7	115.7	155.5	104.8	39.8	10.8
87.5°	57.8	57.8	61.5	57.8	54.2	54.2	61.5	50.6	25.3	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
368466.0
360320.4
338215.5
293362.1
229773.4
163111.5
101630.6
55215.3
28721.2
16486.5
10756.0
5466.6
3564.8
2581.4
2064.4
1746.3
1507.6
1261.8
1117.2
1106.3
1203.9
1410.0
1395.6
1377.5
1381.1
1373.9
1272.6
1131.6
950.9
770.1
578.5
433.9
332.6
220.5
122.9
75.9
54.2
21.7
14.5
10.8
7.2
7.2
0.0

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