

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: P635935

Luminaire Tested: **IFLD-S-SA6A-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635935
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14321.4 lumens
Efficiency: N/A
Efficacy: 75.5 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): 189.6
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



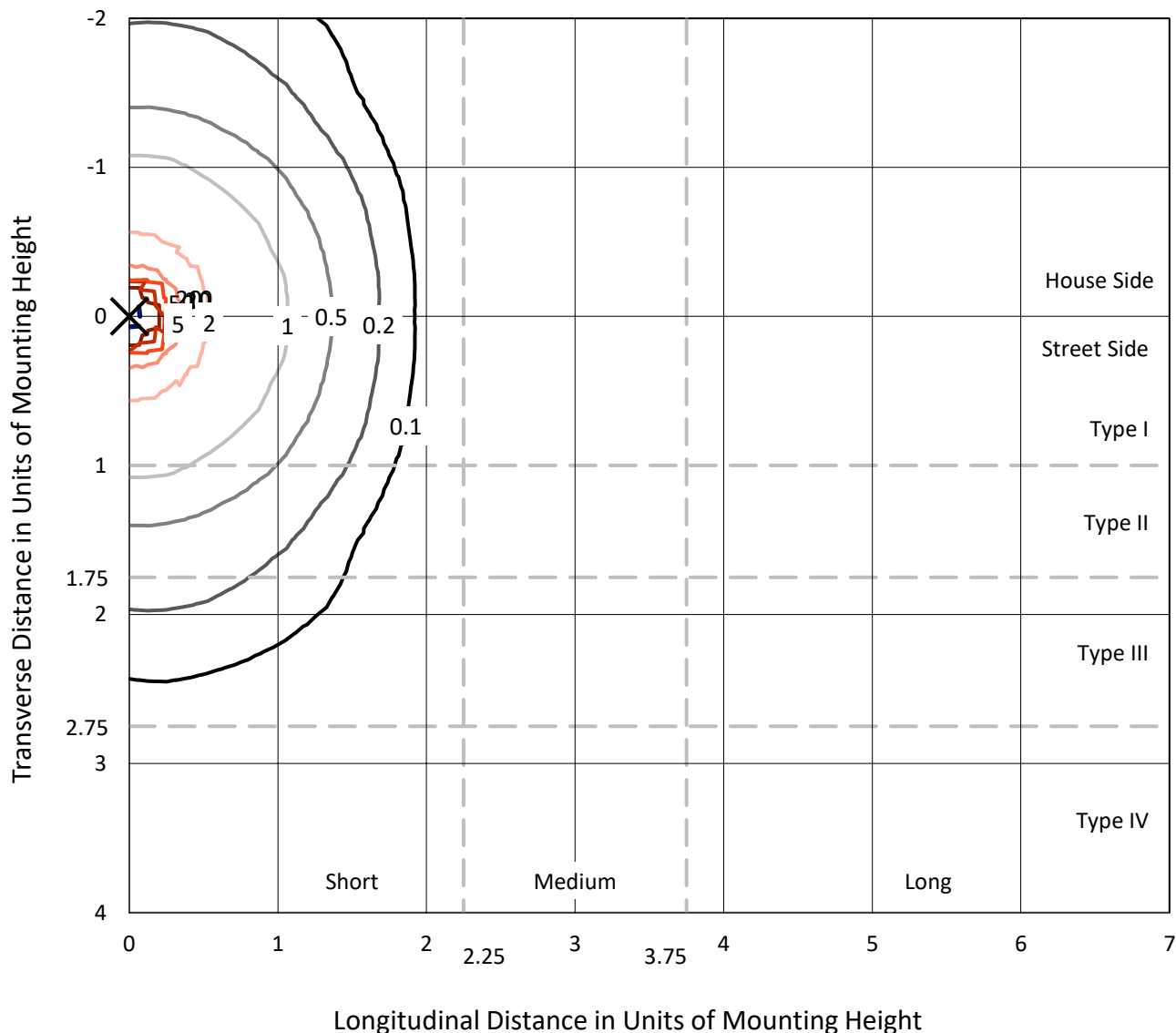
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

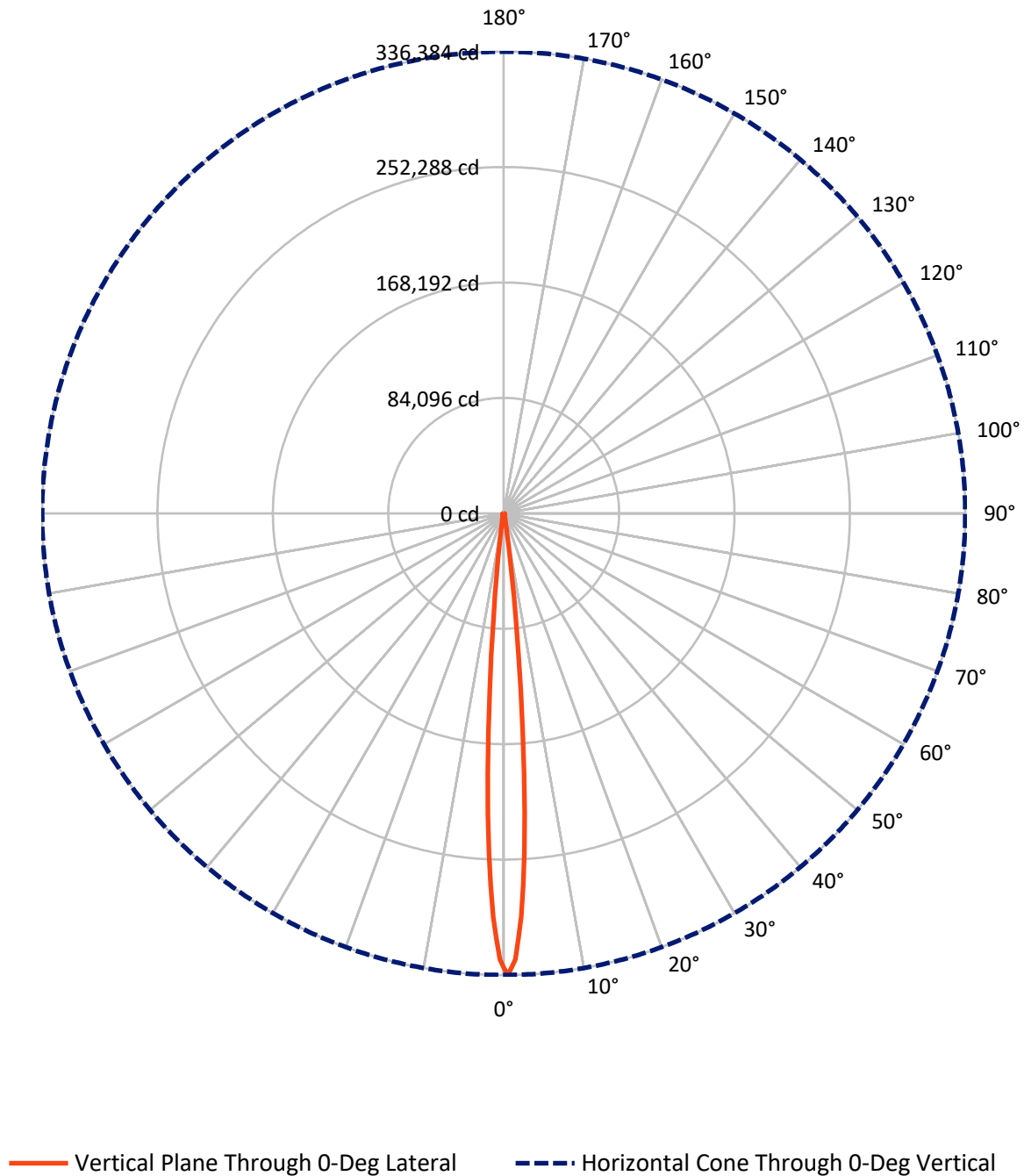


Based on 20 foot mounting height. Maximum calculated value = 841 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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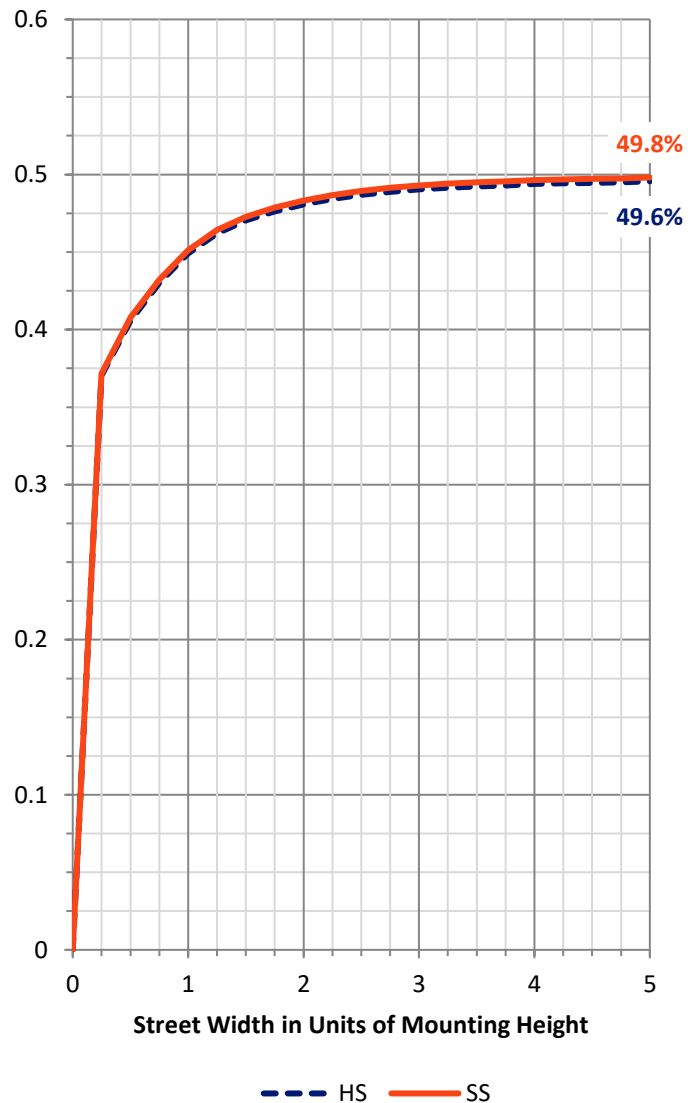
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7160.7	0.0	7160.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7160.7	0.0	7160.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14321.4	0.0	14321.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9039.3	63.1
10°-20°	1117.1	7.8
20°-30°	669.3	4.7
30°-40°	719.7	5.0
40°-50°	967.7	6.8
50°-60°	862.6	6.0
60°-70°	569.8	4.0
70°-80°	282.5	2.0
80°-90°	93.3	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°	14321.4	100.0
0°-180°	14321.4	100.0

Coefficient of Utilization



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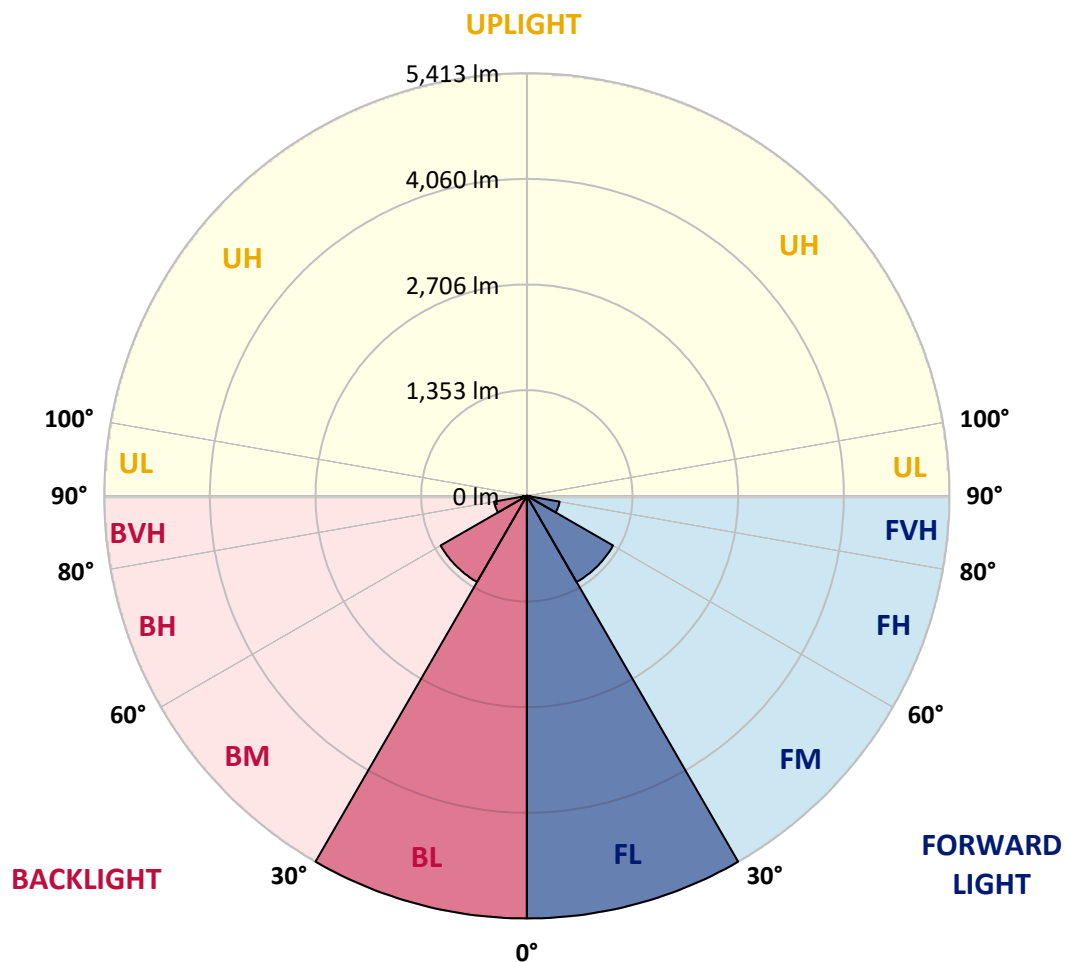
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5412.9	37.8			
FM	(30°-60°)	1275.0	8.9			
FH	(60°-80°)	426.1	3.0			G0/660
FVH	(80°-90°)	46.6	0.3			G1/100
BL	(0°-30°)	5412.9	37.8	B5		
BM	(30°-60°)	1275.0	8.9	B2/2500		
BH	(60°-80°)	426.1	3.0	B1/500		G0/660
BVH	(80°-90°)	46.6	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°	336384.0	336384.0	336384.0	336384.0	336384.0	336384.0	336384.0	336384.0	336384.0	336384.0
1°	325108.9	321771.9	323488.3	325128.7	327429.3	328442.6	329475.7	330248.0	330234.8	331508.9
2°	294059.5	288682.8	291174.8	294231.2	300142.7	301839.2	304674.5	308183.1	308397.6	311572.9
3°	247856.8	240308.2	243978.6	249421.3	259221.0	261755.9	266300.9	269509.2	268076.7	271793.3
4°	190197.5	180348.3	185956.2	194013.1	203552.0	213229.6	213421.0	215721.6	210998.3	210770.6
5°	128320.0	119635.9	126831.4	136908.3	145150.0	151913.1	156078.5	156365.7	151259.6	150794.2
6°	78262.1	72515.6	78777.0	89441.4	100858.4	103670.6	104307.6	102861.9	96164.9	92458.2
7°	43255.2	40911.7	47031.2	53394.9	62296.7	66412.7	63564.2	58943.3	56893.6	52480.6
8°	23853.9	22698.7	24444.7	29943.6	36851.9	39555.2	36805.7	32006.5	28550.8	27329.5
9°	14381.0	13740.7	14453.6	16546.2	19530.0	21404.8	19830.4	17467.1	16008.2	15602.2
10°	9552.1	9301.3	9604.9	10311.3	11384.0	11931.9	11539.1	10601.7	10159.4	10133.0
12.5°	5013.7	4967.5	5043.4	5122.6	5307.5	5337.2	5267.9	5201.8	5099.5	5139.1
15°	3228.1	3185.1	3264.4	3366.7	3412.9	3442.6	3445.9	3409.6	3340.3	3307.3
17.5°	2353.4	2363.3	2369.9	2429.3	2518.4	2587.7	2558.0	2518.4	2439.2	2399.6
20°	1937.5	1940.8	1954.0	1987.0	2016.7	2112.4	2082.7	2023.3	1947.4	1917.7
22.5°	1656.9	1663.5	1670.1	1689.9	1696.5	1722.9	1726.2	1673.4	1630.5	1614.0
25°	1458.9	1458.9	1468.8	1485.3	1491.9	1472.1	1475.4	1452.3	1412.7	1392.9
27.5°	1237.7	1244.4	1254.3	1260.9	1247.7	1224.5	1194.8	1214.6	1194.8	1148.6
30°	1102.4	1109.0	1138.7	1118.9	1089.2	1059.5	1043.0	1069.4	1072.7	1033.1
32.5°	1092.5	1095.8	1105.7	1095.8	1059.5	1023.2	1000.1	1029.8	1036.4	1019.9
35°	1142.0	1132.1	1145.3	1151.9	1115.6	1076.0	1046.3	1072.7	1092.5	1099.1
37.5°	1383.0	1326.9	1284.0	1270.8	1247.7	1221.2	1181.6	1188.2	1224.5	1257.6
40°	1317.0	1303.8	1287.3	1244.4	1201.4	1234.4	1188.2	1175.0	1257.6	1264.2
42.5°	1307.1	1317.0	1303.8	1251.0	1208.0	1241.1	1231.1	1191.5	1274.1	1264.2
45°	1313.7	1323.6	1353.3	1264.2	1227.8	1244.4	1264.2	1221.2	1303.8	1270.8
47.5°	1260.9	1274.1	1307.1	1257.6	1234.4	1231.1	1260.9	1221.2	1264.2	1260.9
50°	1191.5	1204.7	1214.6	1171.7	1214.6	1191.5	1194.8	1178.3	1178.3	1184.9
52.5°	1102.4	1115.6	1125.5	1076.0	1102.4	1112.3	1072.7	1069.4	1039.7	1049.6
55°	993.5	1013.3	1023.2	1003.4	990.2	1010.0	953.9	947.3	887.9	891.2
57.5°	868.1	887.9	897.8	920.9	911.0	871.4	838.4	812.0	746.0	719.5
60°	894.5	914.3	894.5	828.5	828.5	739.3	709.6	653.5	587.5	554.5
62.5°	864.8	891.2	887.9	818.6	736.0	623.8	571.0	511.6	445.6	402.7
65°	815.3	841.7	828.5	782.3	703.0	534.7	455.5	396.1	313.6	303.7
67.5°	732.7	772.4	746.0	716.2	653.5	485.2	363.1	297.1	227.7	227.7
70°	607.3	637.0	653.5	620.5	584.2	455.5	310.3	227.7	165.0	125.4
72.5°	488.5	514.9	541.3	524.8	491.8	412.6	277.3	181.5	118.8	72.6
75°	270.7	280.6	290.5	330.1	376.3	336.7	254.2	158.4	99.0	56.1
77.5°	207.9	217.8	240.9	221.1	204.6	260.8	277.3	184.8	85.8	39.6
80°	161.7	174.9	247.5	204.6	174.9	198.0	237.6	161.7	56.1	19.8
82.5°	122.1	132.0	174.9	194.7	184.8	148.5	128.7	108.9	49.5	13.2
85°	89.1	102.3	122.1	108.9	105.6	105.6	141.9	95.7	36.3	9.9
87.5°	52.8	52.8	56.1	52.8	49.5	49.5	56.1	46.2	23.1	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
336384.0
328947.6
308767.3
267819.3
209767.2
148909.5
92781.7
50407.8
26220.5
15051.0
9819.5
4990.6
3254.5
2356.7
1884.7
1594.2
1376.4
1151.9
1019.9
1010.0
1099.1
1287.3
1274.1
1257.6
1260.9
1254.3
1161.8
1033.1
868.1
703.0
528.1
396.1
303.7
201.3
112.2
69.3
49.5
19.8
13.2
9.9
6.6
6.6
0.0

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