

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: P635885

Luminaire Tested: **IFLD-M-SA4D-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635885
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14702.4 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
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



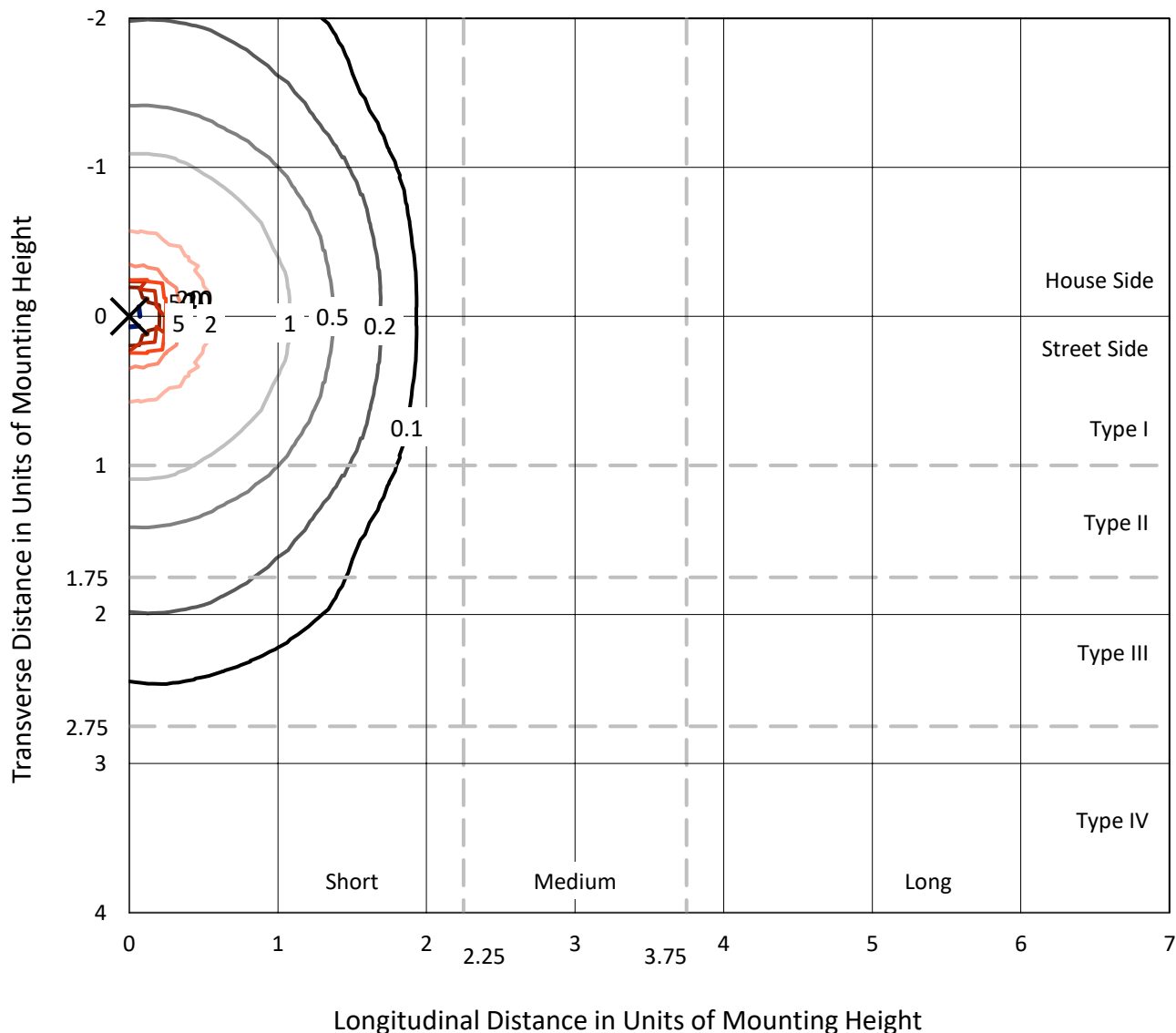
REPORT NUMBER: P635885

CATALOG NUMBER: IFLD-M-SA4D-930-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

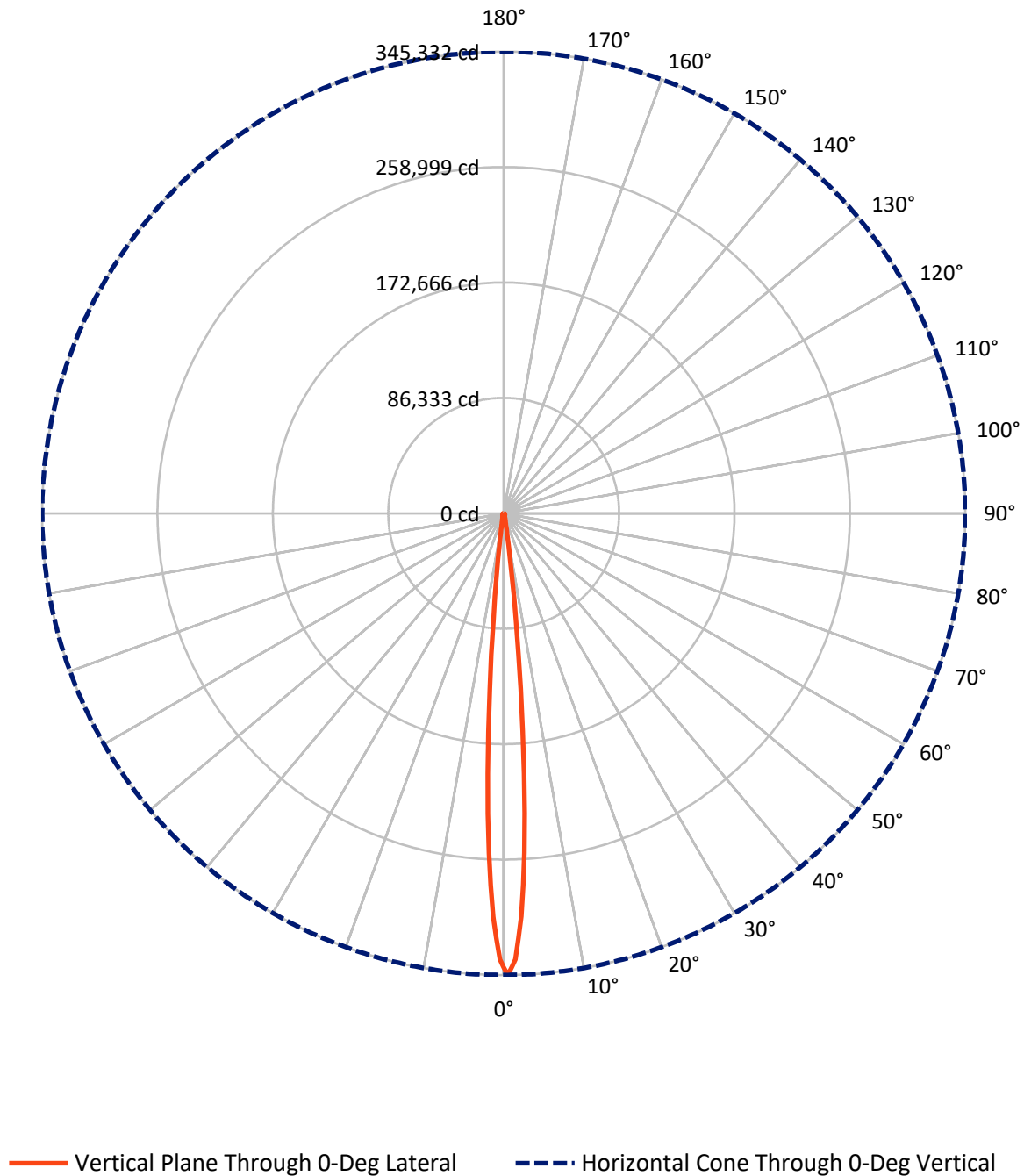


Based on 20 foot mounting height. Maximum calculated value = 863.3 fc

Type V - Short - N/A

REPORT NUMBER: P635885
CATALOG NUMBER: IFLD-M-SA4D-930-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635885

CATALOG NUMBER: IFLD-M-SA4D-930-U-11-VI

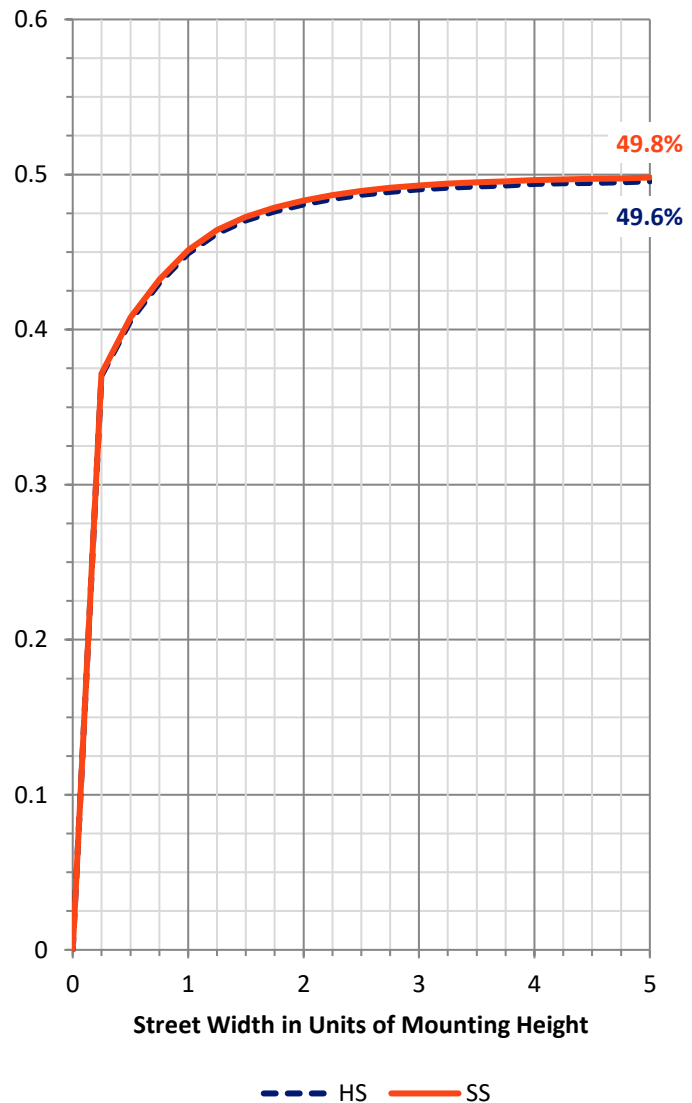
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7351.2	0.0	7351.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7351.2	0.0	7351.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14702.4	0.0	14702.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9279.8	63.1
10°-20°	1146.9	7.8
20°-30°	687.1	4.7
30°-40°	738.8	5.0
40°-50°	993.4	6.8
50°-60°	885.6	6.0
60°-70°	584.9	4.0
70°-80°	290.0	2.0
80°-90°	95.8	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°	14702.4	100.0
0°-180°	14702.4	100.0



REPORT NUMBER: P635885

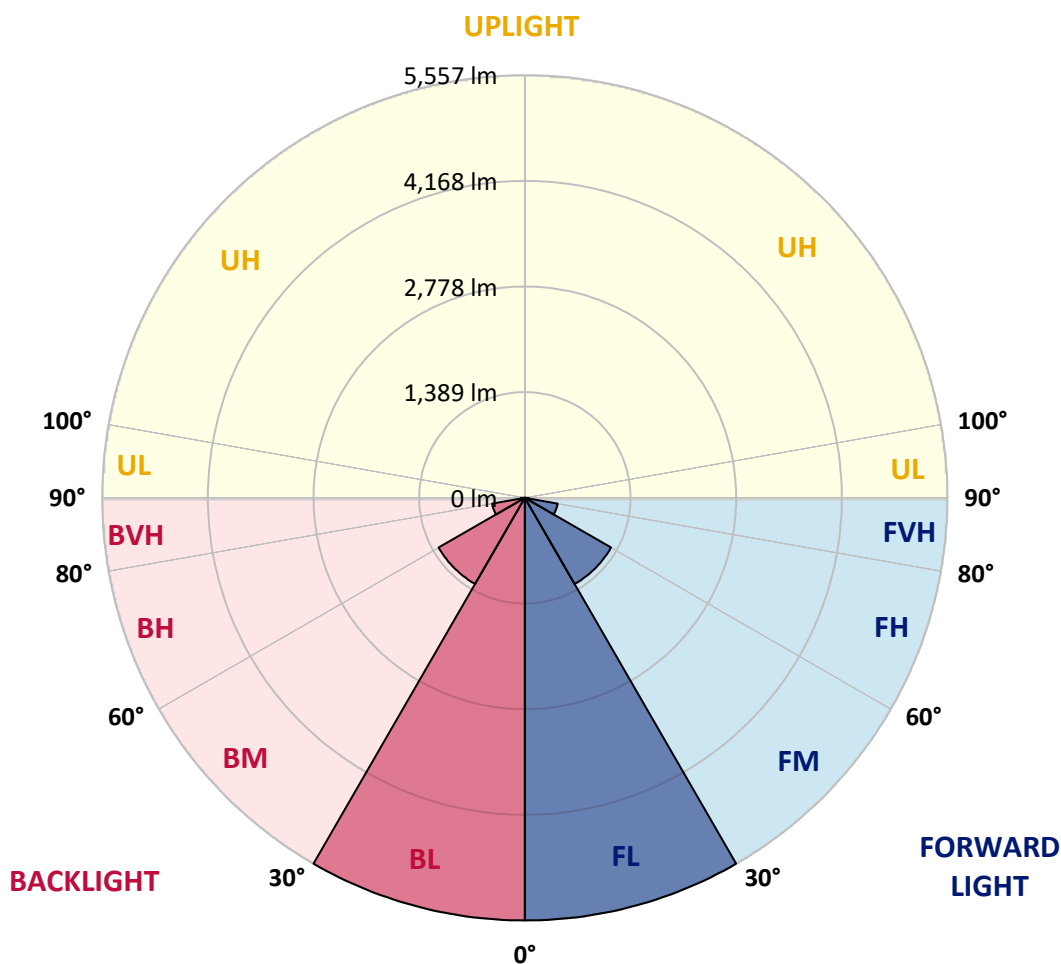
CATALOG NUMBER: IFLD-M-SA4D-930-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5556.9	37.8			
FM	(30°-60°)	1308.9	8.9			
FH	(60°-80°)	437.5	3.0			G0/660
FVH	(80°-90°)	47.9	0.3			G1/100
BL	(0°-30°)	5556.9	37.8	B5		
BM	(30°-60°)	1308.9	8.9	B2/2500		
BH	(60°-80°)	437.5	3.0	B1/500		G0/660
BVH	(80°-90°)	47.9	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°	345331.9	345331.9	345331.9	345331.9	345331.9	345331.9	345331.9	345331.9	345331.9	345331.9
1°	333756.9	330331.1	332093.1	333777.2	336139.0	337179.2	338239.8	339032.7	339019.2	340327.1
2°	301881.6	296361.8	298920.1	302057.8	308126.5	309868.2	312778.9	316380.8	316601.1	319860.8
3°	254449.9	246700.5	250468.4	256056.0	266116.4	268718.7	273384.6	276678.2	275207.6	279023.0
4°	195256.8	185145.6	190902.6	199173.9	208966.5	218901.5	219098.0	221459.8	216610.9	216377.1
5°	131733.3	122818.2	130205.1	140550.1	149011.1	155954.0	160230.3	160525.1	155283.1	154805.3
6°	80343.9	74444.5	80872.5	91820.6	103541.3	106428.2	107082.2	105598.1	98722.9	94917.6
7°	44405.8	42000.0	48282.2	54815.2	63953.9	68179.3	65255.0	60511.2	58406.9	53876.6
8°	24488.4	23302.5	25095.0	30740.1	37832.2	40607.3	37784.8	32857.9	29310.2	28056.5
9°	14763.5	14106.2	14838.1	16986.4	20049.5	21974.2	20357.9	17931.7	16434.0	16017.3
10°	9806.2	9548.7	9860.4	10585.6	11686.8	12249.3	11846.1	10883.7	10429.7	10402.6
12.5°	5147.1	5099.6	5177.6	5258.9	5448.6	5479.1	5408.0	5340.2	5235.2	5275.8
15°	3313.9	3269.9	3351.2	3456.2	3503.7	3534.2	3537.6	3500.3	3429.1	3395.2
17.5°	2416.0	2426.1	2432.9	2493.9	2585.4	2656.6	2626.1	2585.4	2504.1	2463.4
20°	1989.0	1992.4	2006.0	2039.9	2070.4	2168.6	2138.1	2077.1	1999.2	1968.7
22.5°	1701.0	1707.8	1714.6	1734.9	1741.7	1768.8	1772.2	1718.0	1673.9	1657.0
25°	1497.7	1497.7	1507.9	1524.8	1531.6	1511.3	1514.6	1490.9	1450.3	1429.9
27.5°	1270.7	1277.5	1287.6	1294.4	1280.8	1257.1	1226.6	1247.0	1226.6	1179.2
30°	1131.7	1138.5	1169.0	1148.7	1118.2	1087.7	1070.8	1097.9	1101.3	1060.6
32.5°	1121.6	1125.0	1135.1	1125.0	1087.7	1050.4	1026.7	1057.2	1064.0	1047.0
35°	1172.4	1162.2	1175.8	1182.6	1145.3	1104.6	1074.1	1101.3	1121.6	1128.4
37.5°	1419.8	1362.2	1318.1	1304.6	1280.8	1253.7	1213.1	1219.8	1257.1	1291.0
40°	1352.0	1338.4	1321.5	1277.5	1233.4	1267.3	1219.8	1206.3	1291.0	1297.8
42.5°	1341.8	1352.0	1338.4	1284.2	1240.2	1274.1	1263.9	1223.2	1307.9	1297.8
45°	1348.6	1358.8	1389.3	1297.8	1260.5	1277.5	1297.8	1253.7	1338.4	1304.6
47.5°	1294.4	1307.9	1341.8	1291.0	1267.3	1263.9	1294.4	1253.7	1297.8	1294.4
50°	1223.2	1236.8	1247.0	1202.9	1247.0	1223.2	1226.6	1209.7	1209.7	1216.5
52.5°	1131.7	1145.3	1155.5	1104.6	1131.7	1141.9	1101.3	1097.9	1067.4	1077.5
55°	1019.9	1040.3	1050.4	1030.1	1016.5	1036.9	979.3	972.5	911.5	914.9
57.5°	891.2	911.5	921.7	945.4	935.2	894.6	860.7	833.6	765.8	738.7
60°	918.3	938.6	918.3	850.5	850.5	759.0	728.5	670.9	603.1	569.3
62.5°	887.8	914.9	911.5	840.3	755.6	640.4	586.2	525.2	457.4	413.4
65°	837.0	864.1	850.5	803.1	721.7	548.9	467.6	406.6	321.9	311.7
67.5°	752.2	792.9	765.8	735.3	670.9	498.1	372.7	305.0	233.8	233.8
70°	623.5	654.0	670.9	637.0	599.8	467.6	318.5	233.8	169.4	128.8
72.5°	501.5	528.6	555.7	538.8	504.9	423.6	284.6	186.4	122.0	74.5
75°	277.9	288.0	298.2	338.8	386.3	345.6	260.9	162.6	101.7	57.6
77.5°	213.5	223.6	247.4	227.0	210.1	267.7	284.6	189.8	88.1	40.7
80°	166.0	179.6	254.1	210.1	179.6	203.3	244.0	166.0	57.6	20.3
82.5°	125.4	135.5	179.6	199.9	189.8	152.5	132.2	111.8	50.8	13.6
85°	91.5	105.0	125.4	111.8	108.4	108.4	145.7	98.3	37.3	10.2
87.5°	54.2	54.2	57.6	54.2	50.8	50.8	57.6	47.4	23.7	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

345331.9
337697.7
316980.6
274943.3
215347.0
152870.5
95249.7
51748.6
26918.0
15451.4
10080.7
5123.4
3341.0
2419.4
1934.8
1636.6
1413.0
1182.6
1047.0
1036.9
1128.4
1321.5
1307.9
1291.0
1294.4
1287.6
1192.7
1060.6
891.2
721.7
542.2
406.6
311.7
206.7
115.2
71.2
50.8
20.3
13.6
10.2
6.8
6.8
0.0

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