

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: P635857

Luminaire Tested: **IFLD-M-SA4E-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635857
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16831.5 lumens
Efficiency: N/A
Efficacy: 53.5 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): 314.8
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



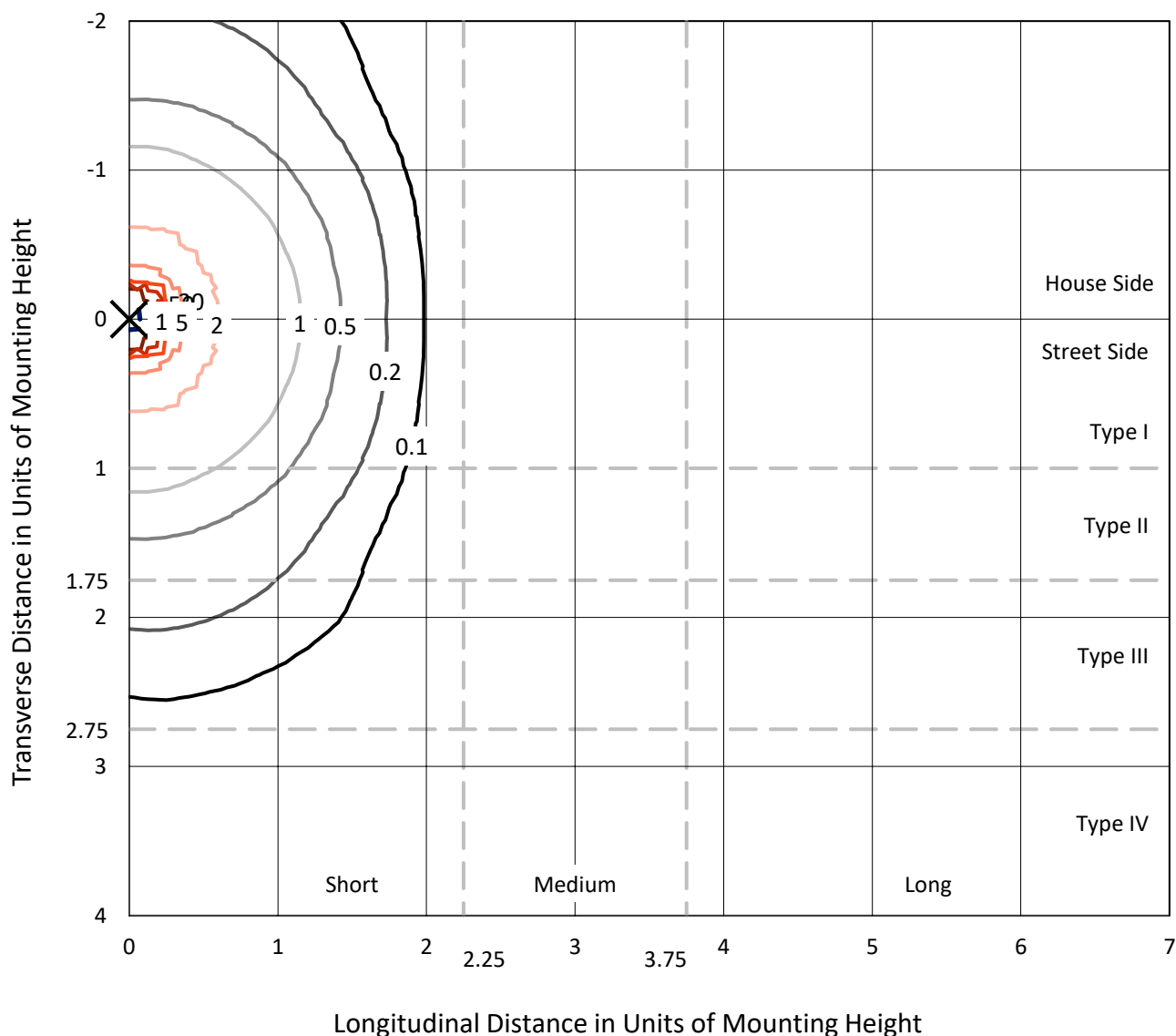
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

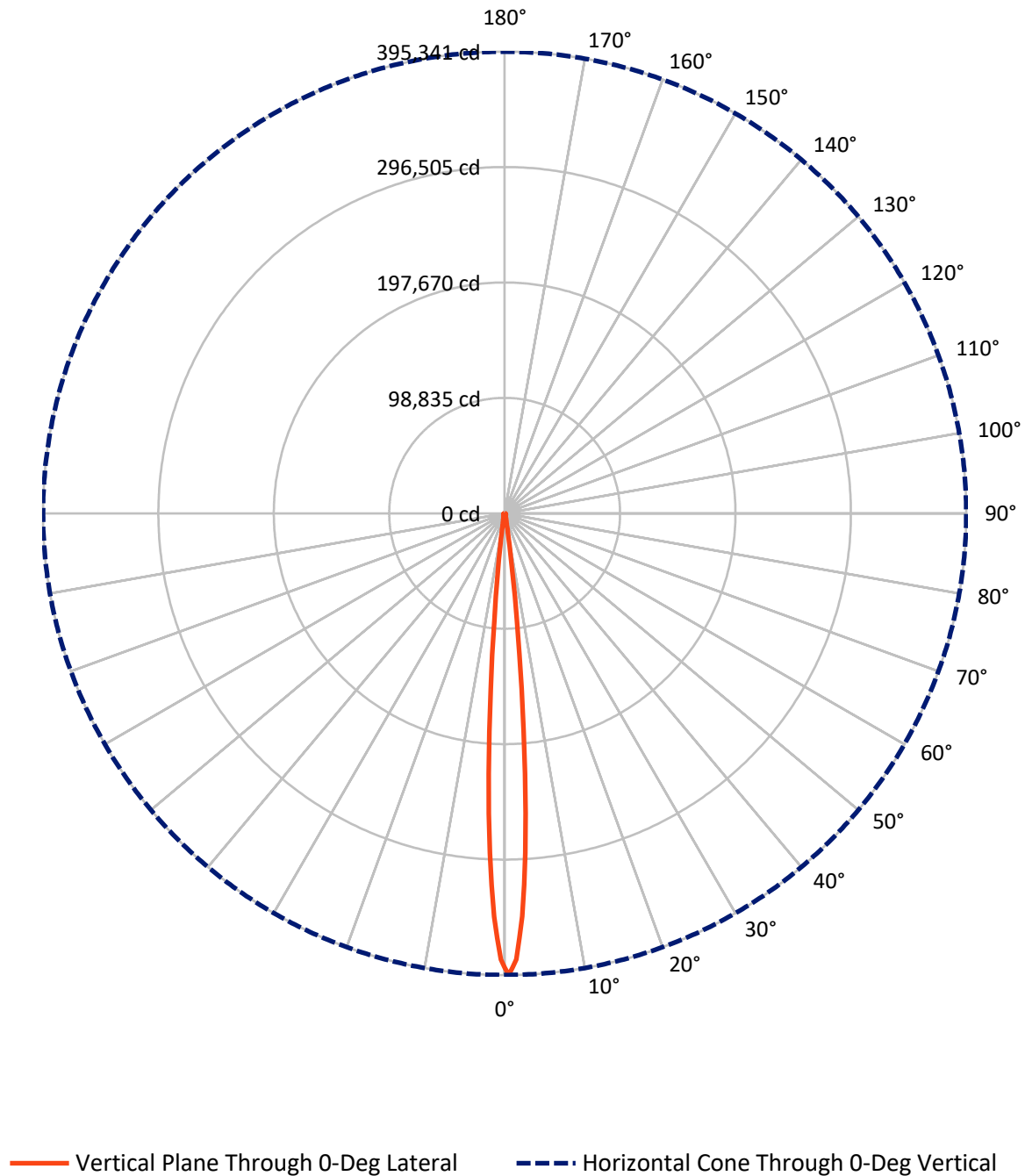


Based on 20 foot mounting height. Maximum calculated value = 988.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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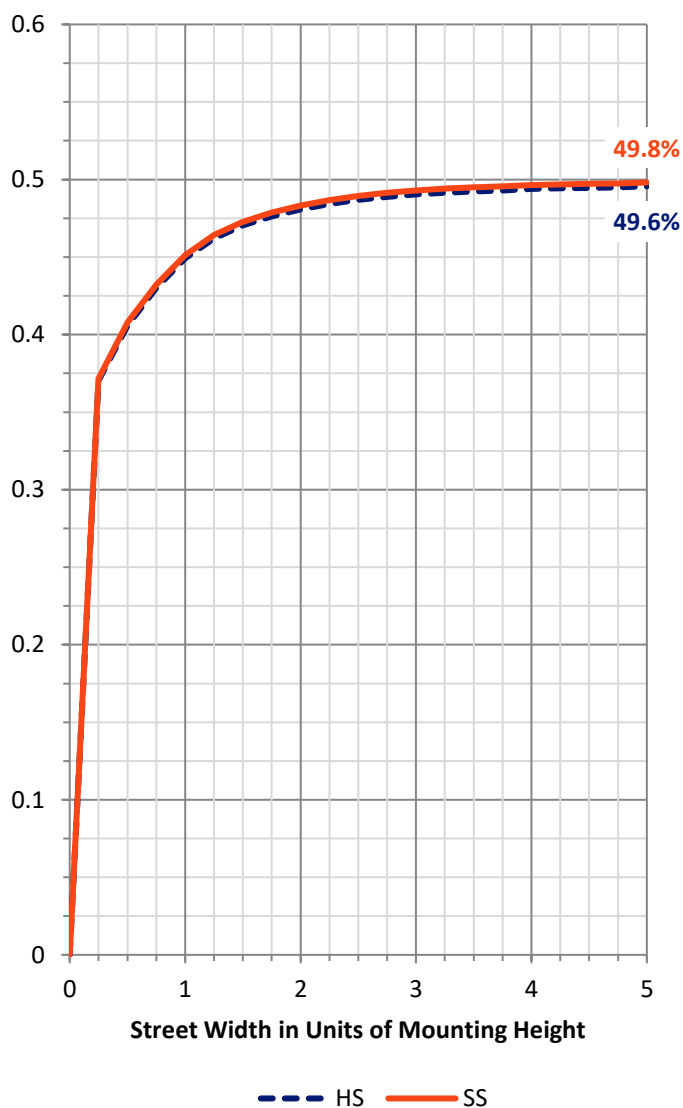
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8415.7	0.0	8415.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8415.7	0.0	8415.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16831.5	0.0	16831.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10623.6	63.1
10°-20°	1312.9	7.8
20°-30°	786.6	4.7
30°-40°	845.8	5.0
40°-50°	1137.3	6.8
50°-60°	1013.8	6.0
60°-70°	669.7	4.0
70°-80°	332.0	2.0
80°-90°	109.6	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°	16831.5	100.0
0°-180°	16831.5	100.0

Coefficient of Utilization



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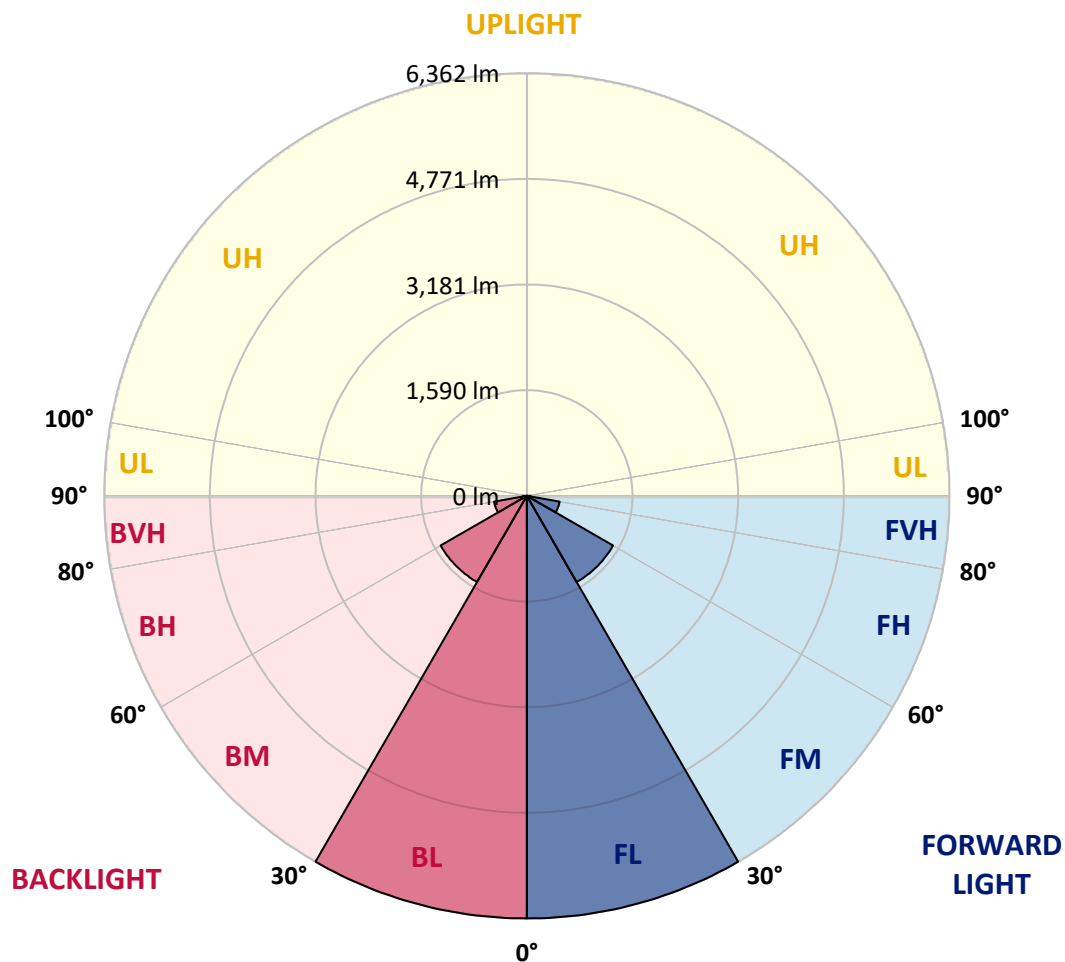
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6361.6	37.8			
FM	(30°-60°)	1498.5	8.9			
FH	(60°-80°)	500.8	3.0			G0/660
FVH	(80°-90°)	54.8	0.3			G1/100
BL	(0°-30°)	6361.6	37.8	B5		
BM	(30°-60°)	1498.5	8.9	B2/2500		
BH	(60°-80°)	500.8	3.0	B2/1000		G0/660
BVH	(80°-90°)	54.8	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°	395340.5	395340.5	395340.5	395340.5	395340.5	395340.5	395340.5	395340.5	395340.5	395340.5
1°	382089.3	378167.5	380184.7	382112.6	384816.4	386007.3	387221.5	388129.2	388113.7	389611.0
2°	345598.1	339278.9	342207.7	345799.8	352747.4	354741.3	358073.5	362197.0	362449.1	366180.9
3°	291297.6	282426.0	286739.6	293136.3	304653.6	307632.8	312974.4	316744.9	315061.4	319429.3
4°	223532.6	211957.2	218547.9	228016.9	239227.7	250601.4	250826.4	253530.1	247979.1	247711.4
5°	150810.0	140604.0	149060.5	160903.6	170589.9	178538.3	183433.8	183771.2	177770.2	177223.2
6°	91978.7	85225.1	92583.9	105117.4	118535.4	121840.5	122589.2	120890.1	113019.3	108663.0
7°	50836.4	48082.2	55274.1	62753.1	73215.2	78052.5	74704.8	69274.0	66865.1	61678.6
8°	28034.7	26677.0	28729.0	35191.7	43310.8	46487.8	43256.5	37616.2	33554.7	32119.4
9°	16901.5	16148.9	16986.8	19446.2	22953.0	25156.3	23306.0	20528.5	18813.9	18336.8
10°	11226.3	10931.5	11288.4	12118.5	13379.2	14023.2	13561.5	12459.9	11940.0	11909.0
12.5°	5892.4	5838.1	5927.4	6020.5	6237.7	6272.6	6191.1	6113.6	5993.3	6039.8
15°	3793.8	3743.4	3836.5	3956.7	4011.0	4046.0	4049.8	4007.2	3925.7	3886.9
17.5°	2765.8	2777.5	2785.2	2855.1	2959.8	3041.3	3006.3	2959.8	2866.7	2820.1
20°	2277.1	2280.9	2296.5	2335.3	2370.2	2482.7	2447.7	2377.9	2288.7	2253.8
22.5°	1947.3	1955.1	1962.9	1986.1	1993.9	2024.9	2028.8	1966.7	1916.3	1896.9
25°	1714.6	1714.6	1726.2	1745.6	1753.4	1730.1	1734.0	1706.8	1660.3	1637.0
27.5°	1454.7	1462.4	1474.1	1481.8	1466.3	1439.2	1404.3	1427.5	1404.3	1349.9
30°	1295.6	1303.4	1338.3	1315.0	1280.1	1245.2	1225.8	1256.8	1260.7	1214.2
32.5°	1284.0	1287.9	1299.5	1287.9	1245.2	1202.5	1175.4	1210.3	1218.1	1198.7
35°	1342.2	1330.6	1346.1	1353.8	1311.2	1264.6	1229.7	1260.7	1284.0	1291.8
37.5°	1625.4	1559.4	1509.0	1493.5	1466.3	1435.3	1388.7	1396.5	1439.2	1478.0
40°	1547.8	1532.3	1512.9	1462.4	1412.0	1450.8	1396.5	1381.0	1478.0	1485.7
42.5°	1536.1	1547.8	1532.3	1470.2	1419.8	1458.6	1446.9	1400.4	1497.4	1485.7
45°	1543.9	1555.5	1590.5	1485.7	1443.0	1462.4	1485.7	1435.3	1532.3	1493.5
47.5°	1481.8	1497.4	1536.1	1478.0	1450.8	1446.9	1481.8	1435.3	1485.7	1481.8
50°	1400.4	1415.9	1427.5	1377.1	1427.5	1400.4	1404.3	1384.9	1384.9	1392.6
52.5°	1295.6	1311.2	1322.8	1264.6	1295.6	1307.3	1260.7	1256.8	1221.9	1233.6
55°	1167.6	1190.9	1202.5	1179.3	1163.7	1187.0	1121.1	1113.3	1043.5	1047.4
57.5°	1020.2	1043.5	1055.1	1082.3	1070.6	1024.1	985.3	954.3	876.7	845.7
60°	1051.3	1074.5	1051.3	973.7	973.7	868.9	834.0	768.1	690.5	651.7
62.5°	1016.3	1047.4	1043.5	962.0	865.1	733.2	671.1	601.3	523.7	473.3
65°	958.2	989.2	973.7	919.4	826.3	628.4	535.3	465.5	368.5	356.9
67.5°	861.2	907.7	876.7	841.8	768.1	570.2	426.7	349.1	267.7	267.7
70°	713.8	748.7	768.1	729.3	686.6	535.3	364.6	267.7	194.0	147.4
72.5°	574.1	605.1	636.2	616.8	578.0	484.9	325.8	213.4	139.6	85.3
75°	318.1	329.7	341.4	387.9	442.2	395.7	298.7	186.2	116.4	65.9
77.5°	244.4	256.0	283.2	259.9	240.5	306.5	325.8	217.2	100.9	46.5
80°	190.1	205.6	290.9	240.5	205.6	232.7	279.3	190.1	65.9	23.3
82.5°	143.5	155.2	205.6	228.9	217.2	174.6	151.3	128.0	58.2	15.5
85°	104.7	120.3	143.5	128.0	124.1	124.1	166.8	112.5	42.7	11.6
87.5°	62.1	62.1	65.9	62.1	58.2	58.2	65.9	54.3	27.2	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
395340.5
386600.8
362883.6
314758.8
246532.1
175008.2
109043.1
59242.5
30816.0
17689.0
11540.5
5865.3
3824.9
2769.7
2215.0
1873.6
1617.6
1353.8
1198.7
1187.0
1291.8
1512.9
1497.4
1478.0
1481.8
1474.1
1365.5
1214.2
1020.2
826.3
620.7
465.5
356.9
236.6
131.9
81.5
58.2
23.3
15.5
11.6
7.8
7.8
0.0

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