

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: P635852

Luminaire Tested: **IFLD-S-SA6E-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635852
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24599.2 lumens
Efficiency: N/A
Efficacy: 53.0 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): 464.2
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



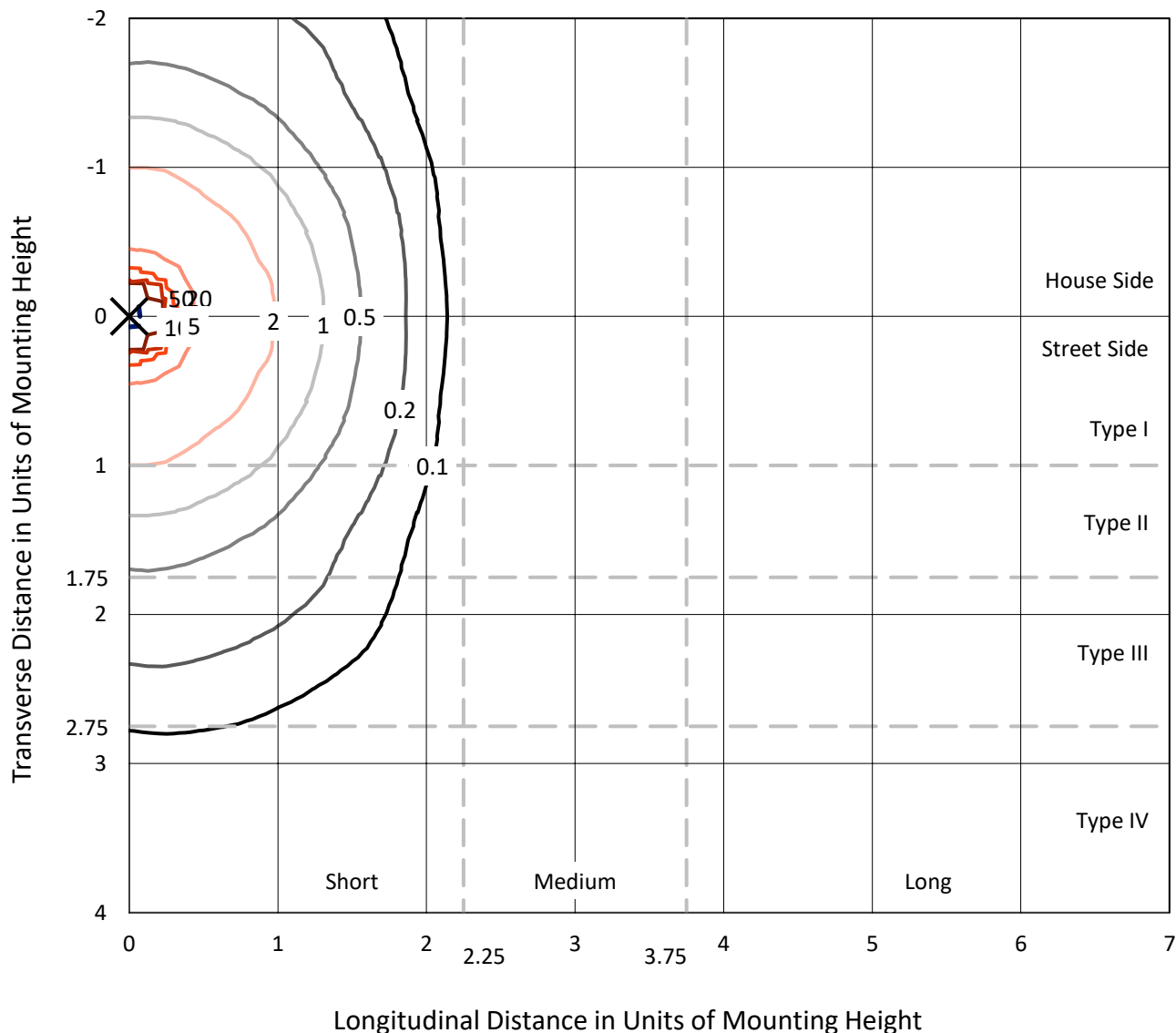
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

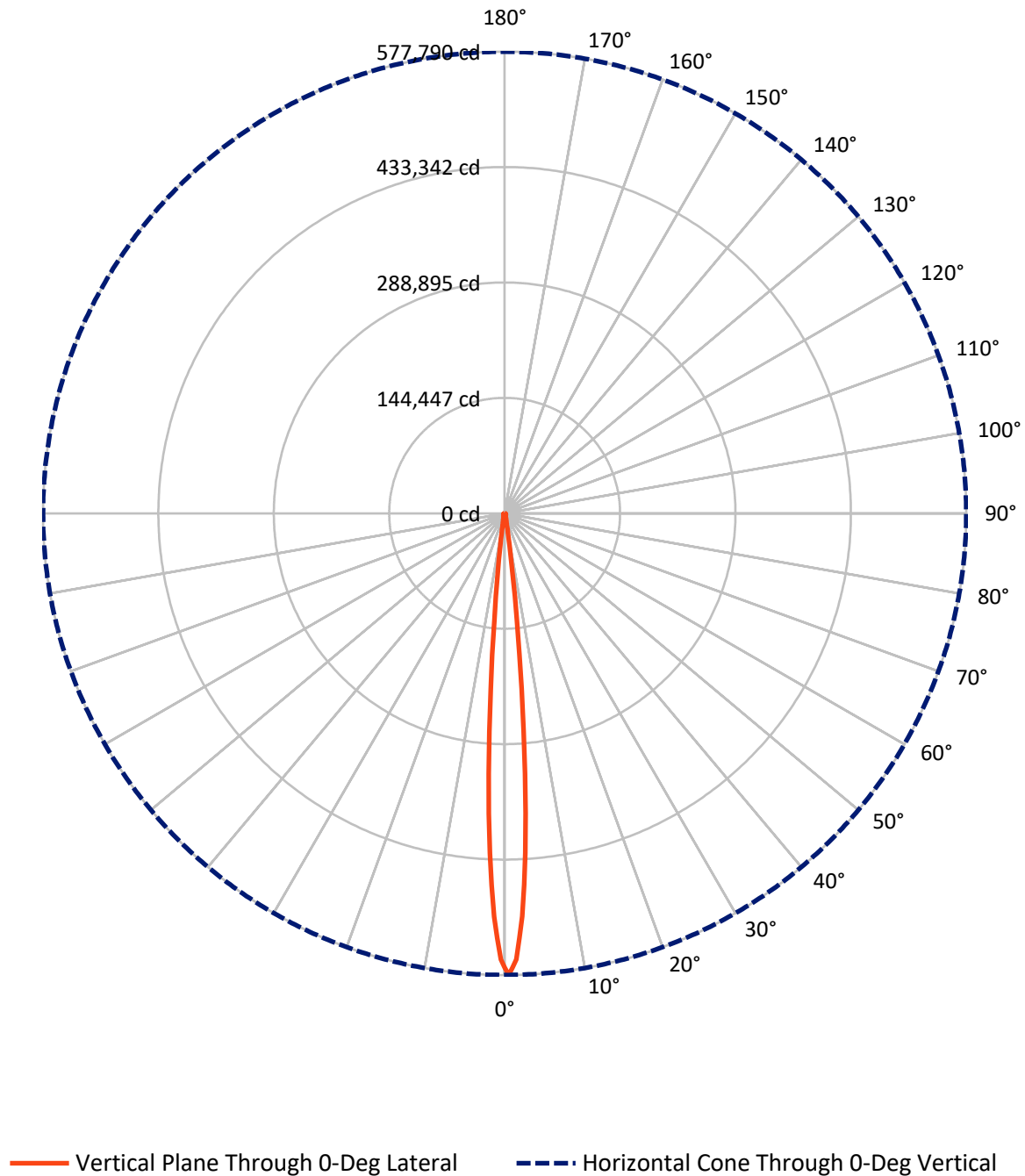


Based on 20 foot mounting height. Maximum calculated value = 1444.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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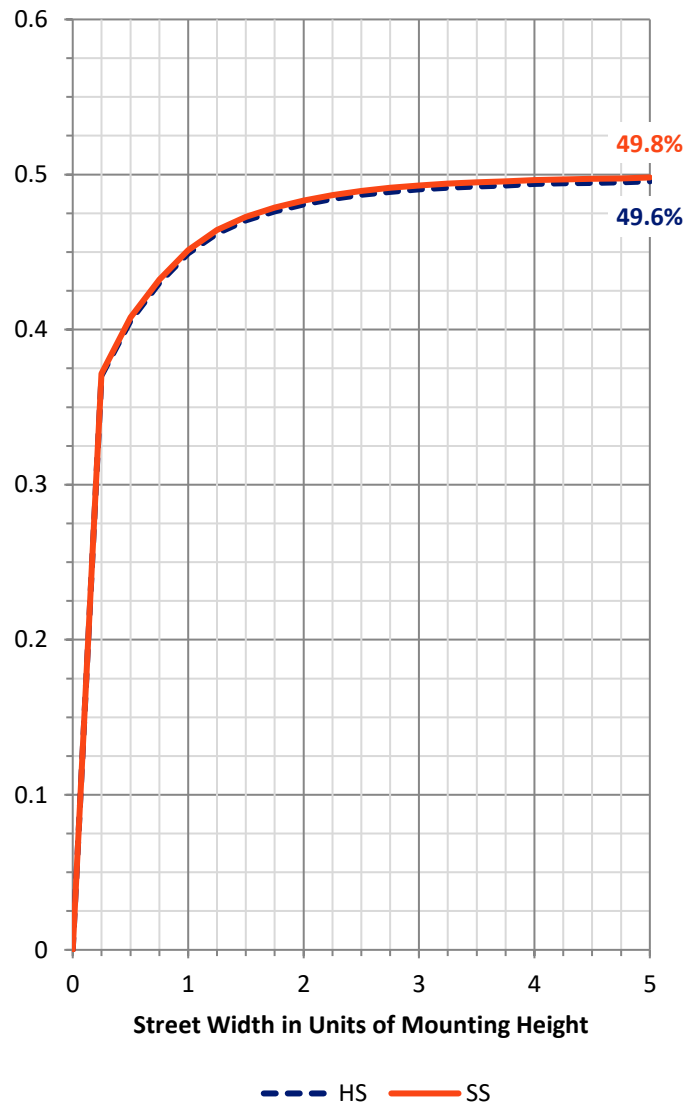
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12299.6	0.0	12299.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12299.6	0.0	12299.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	24599.2	0.0	24599.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15526.4	63.1
10°-20°	1918.9	7.8
20°-30°	1149.7	4.7
30°-40°	1236.2	5.0
40°-50°	1662.2	6.8
50°-60°	1481.7	6.0
60°-70°	978.7	4.0
70°-80°	485.3	2.0
80°-90°	160.2	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°	24599.2	100.0
0°-180°	24599.2	100.0



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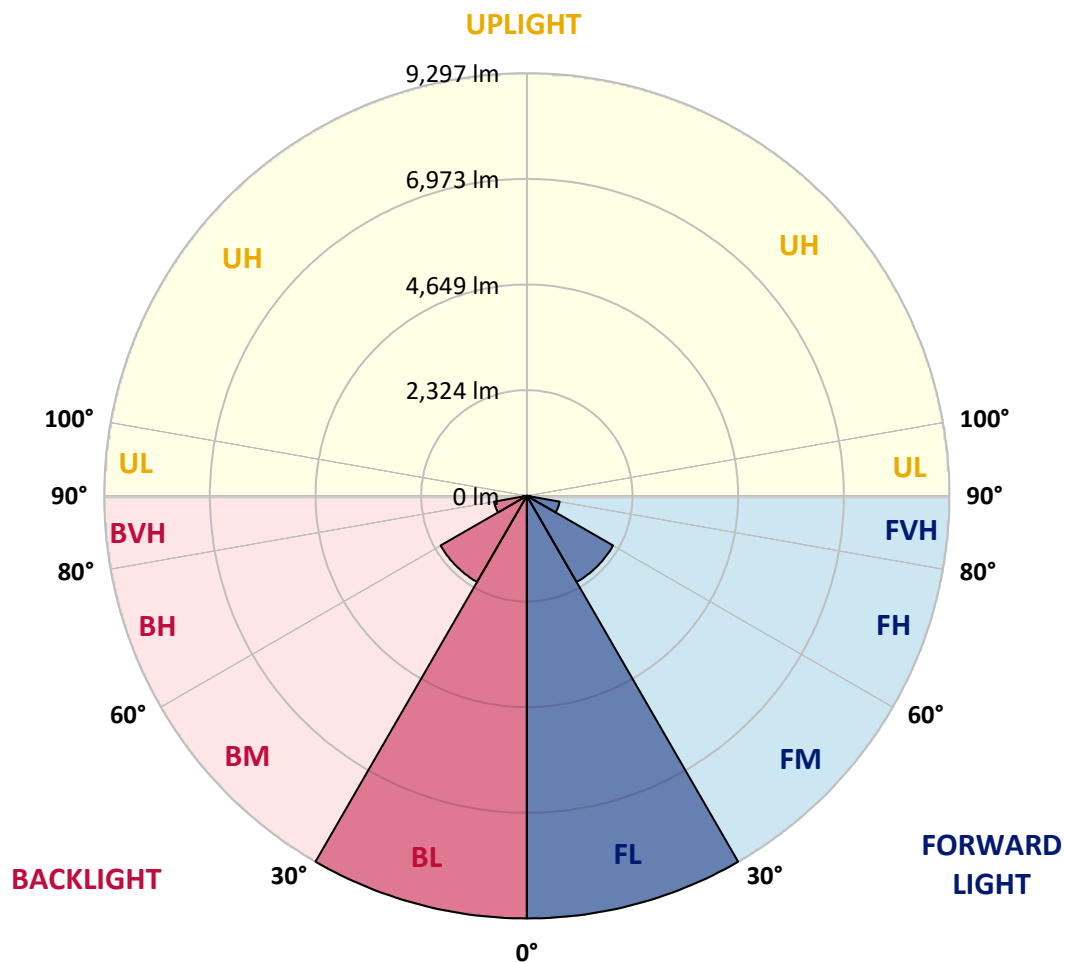
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9297.5	37.8			
FM	(30°-60°)	2190.0	8.9			
FH	(60°-80°)	732.0	3.0			G1/1800
FVH	(80°-90°)	80.1	0.3			G1/100
BL	(0°-30°)	9297.5	37.8	B5		
BM	(30°-60°)	2190.0	8.9	B2/2500		
BH	(60°-80°)	732.0	3.0	B2/1000		G1/1800
BVH	(80°-90°)	80.1	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°	577789.8	577789.8	577789.8	577789.8	577789.8	577789.8	577789.8	577789.8	577789.8	577789.8
1°	558423.2	552691.4	555639.5	558457.2	562408.8	564149.3	565923.8	567250.4	567227.7	569416.1
2°	505091.3	495855.8	500136.2	505386.1	515540.0	518454.0	523324.0	529350.6	529719.1	535173.0
3°	425731.2	412765.3	419069.7	428418.5	445250.9	449605.0	457411.7	462922.4	460461.9	466845.6
4°	326692.7	309775.3	319407.5	333246.5	349631.0	366253.7	366582.5	370534.1	362421.2	362030.0
5°	220408.7	205492.6	217851.8	235160.5	249316.9	260933.5	268088.3	268581.5	259811.0	259011.6
6°	134426.8	124556.4	135311.2	153629.0	173239.4	178069.7	179163.9	176680.7	165177.6	158810.8
7°	74297.3	70272.0	80783.1	91713.7	107004.0	114073.7	109181.0	101243.9	97723.2	90143.2
8°	40972.7	38988.4	41987.5	51432.7	63298.7	67941.9	63219.3	54976.0	49040.2	46942.5
9°	24701.5	23601.7	24826.2	28420.6	33545.8	36766.0	34061.7	30002.4	27496.5	26799.2
10°	16407.2	15976.3	16497.9	17711.2	19553.7	20494.8	19820.2	18210.1	17450.4	17405.0
12.5°	8611.8	8532.4	8662.8	8798.9	9116.4	9167.4	9048.3	8935.0	8759.2	8827.2
15°	5544.7	5471.0	5607.0	5782.8	5862.1	5913.2	5918.8	5856.5	5737.4	5680.7
17.5°	4042.3	4059.3	4070.6	4172.7	4325.7	4444.8	4393.8	4325.7	4189.7	4121.6
20°	3327.9	3333.6	3356.3	3413.0	3464.0	3628.4	3577.4	3475.3	3344.9	3293.9
22.5°	2846.0	2857.4	2868.7	2902.7	2914.1	2959.4	2965.1	2874.4	2800.7	2772.3
25°	2505.9	2505.9	2522.9	2551.2	2562.6	2528.5	2534.2	2494.5	2426.5	2392.5
27.5°	2126.0	2137.4	2154.4	2165.7	2143.0	2103.3	2052.3	2086.3	2052.3	1972.9
30°	1893.6	1904.9	1955.9	1921.9	1870.9	1819.9	1791.5	1836.9	1842.6	1774.5
32.5°	1876.6	1882.2	1899.2	1882.2	1819.9	1757.5	1717.8	1768.8	1780.2	1751.8
35°	1961.6	1944.6	1967.3	1978.6	1916.3	1848.2	1797.2	1842.6	1876.6	1887.9
37.5°	2375.5	2279.1	2205.4	2182.7	2143.0	2097.7	2029.6	2041.0	2103.3	2160.0
40°	2262.1	2239.4	2211.1	2137.4	2063.7	2120.4	2041.0	2018.3	2160.0	2171.4
42.5°	2245.1	2262.1	2239.4	2148.7	2075.0	2131.7	2114.7	2046.6	2188.4	2171.4
45°	2256.4	2273.4	2324.4	2171.4	2109.0	2137.4	2171.4	2097.7	2239.4	2182.7
47.5°	2165.7	2188.4	2245.1	2160.0	2120.4	2114.7	2165.7	2097.7	2171.4	2165.7
50°	2046.6	2069.3	2086.3	2012.6	2086.3	2046.6	2052.3	2024.0	2024.0	2035.3
52.5°	1893.6	1916.3	1933.3	1848.2	1893.6	1910.6	1842.6	1836.9	1785.9	1802.9
55°	1706.5	1740.5	1757.5	1723.5	1700.8	1734.8	1638.5	1627.1	1525.1	1530.7
57.5°	1491.0	1525.1	1542.1	1581.8	1564.8	1496.7	1440.0	1394.7	1281.3	1235.9
60°	1536.4	1570.4	1536.4	1423.0	1423.0	1269.9	1218.9	1122.5	1009.2	952.5
62.5°	1485.4	1530.7	1525.1	1406.0	1264.3	1071.5	980.8	878.8	765.4	691.7
65°	1400.3	1445.7	1423.0	1343.6	1207.6	918.4	782.4	680.3	538.6	521.6
67.5°	1258.6	1326.6	1281.3	1230.3	1122.5	833.4	623.6	510.2	391.2	391.2
70°	1043.2	1094.2	1122.5	1065.8	1003.5	782.4	532.9	391.2	283.5	215.4
72.5°	839.1	884.4	929.8	901.4	844.7	708.7	476.2	311.8	204.1	124.7
75°	464.9	481.9	498.9	566.9	646.3	578.3	436.5	272.1	170.1	96.4
77.5°	357.2	374.2	413.9	379.8	351.5	447.9	476.2	317.5	147.4	68.0
80°	277.8	300.5	425.2	351.5	300.5	340.2	408.2	277.8	96.4	34.0
82.5°	209.8	226.8	300.5	334.5	317.5	255.1	221.1	187.1	85.0	22.7
85°	153.1	175.8	209.8	187.1	181.4	181.4	243.8	164.4	62.4	17.0
87.5°	90.7	90.7	96.4	90.7	85.0	85.0	96.4	79.4	39.7	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

577789.8

565016.7
530354.1
460019.7
360306.5
255774.4
159366.4
86582.9
45037.6
25852.4
16866.4
8572.1
5590.0
4047.9
3237.2
2738.3
2364.1
1978.6
1751.8
1734.8
1887.9
2211.1
2188.4
2160.0
2165.7
2154.4
1995.6
1774.5
1491.0
1207.6
907.1
680.3
521.6
345.8
192.8
119.1
85.0
34.0
22.7
17.0
11.3
11.3
0.0

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