

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: P635880

Luminaire Tested: **IFLD-S-SA6D-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635880
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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: 21487.7 lumens
Efficiency: N/A
Efficacy: 58.4 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): 368.2
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



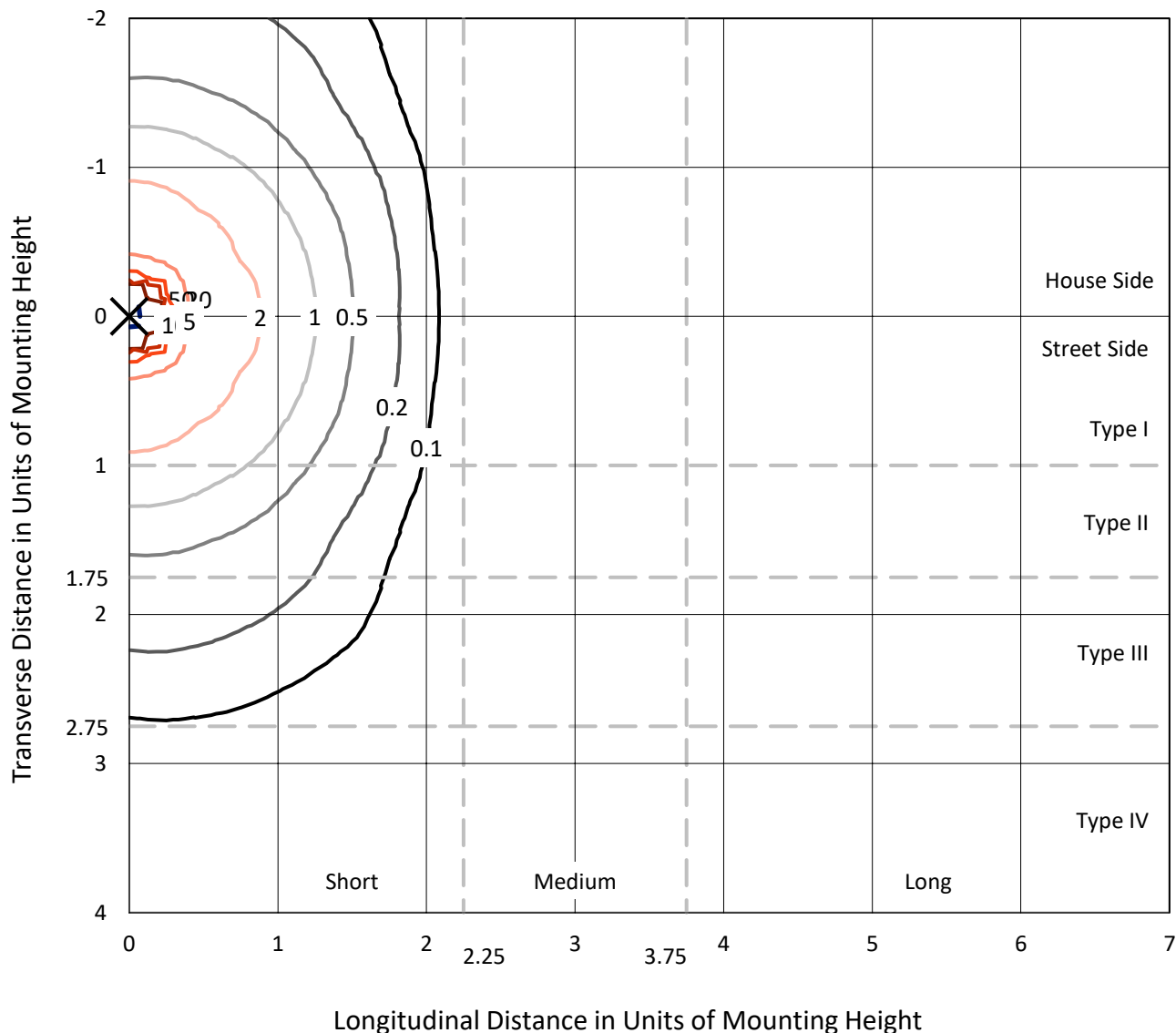
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

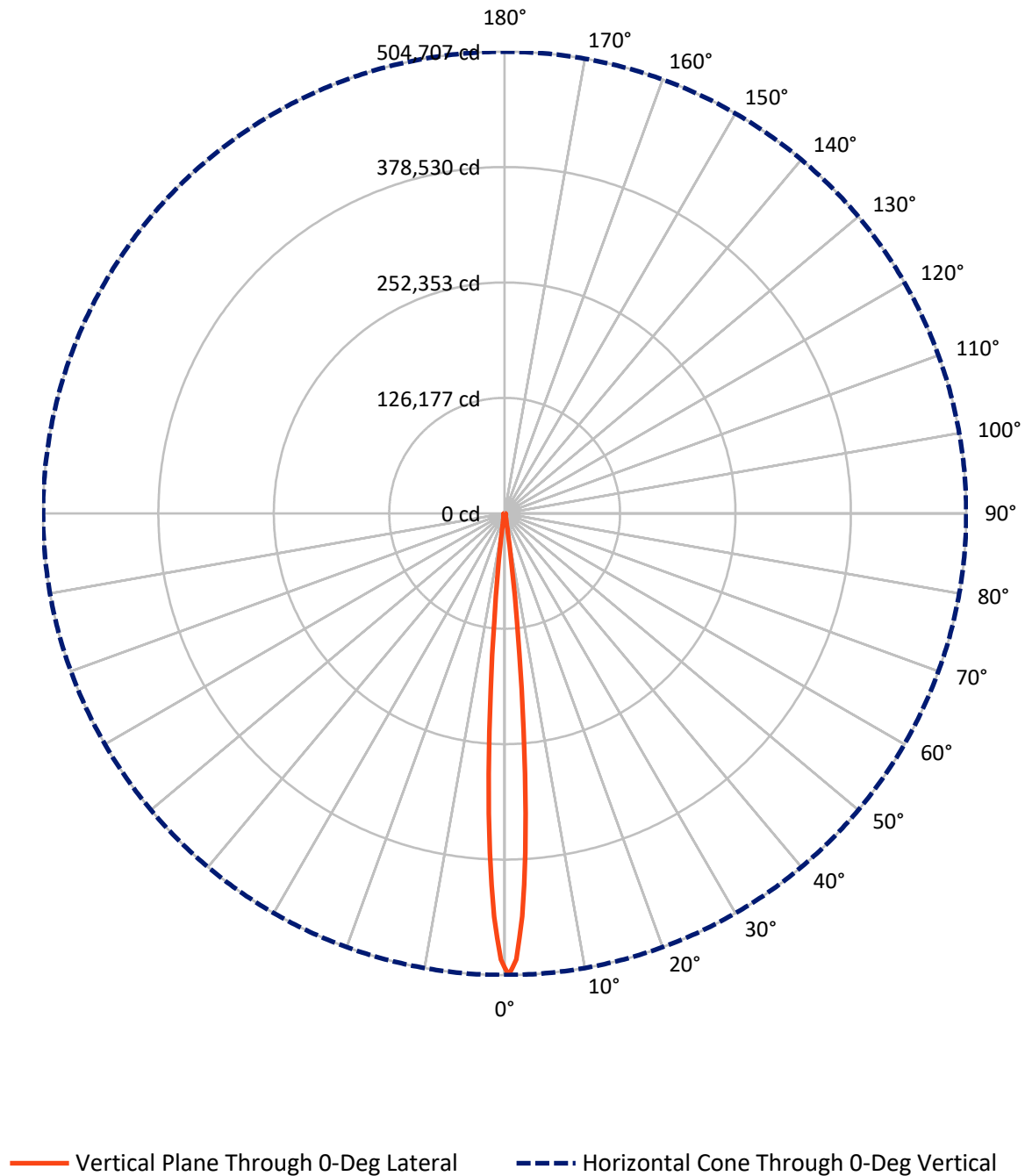


Based on 20 foot mounting height. Maximum calculated value = 1261.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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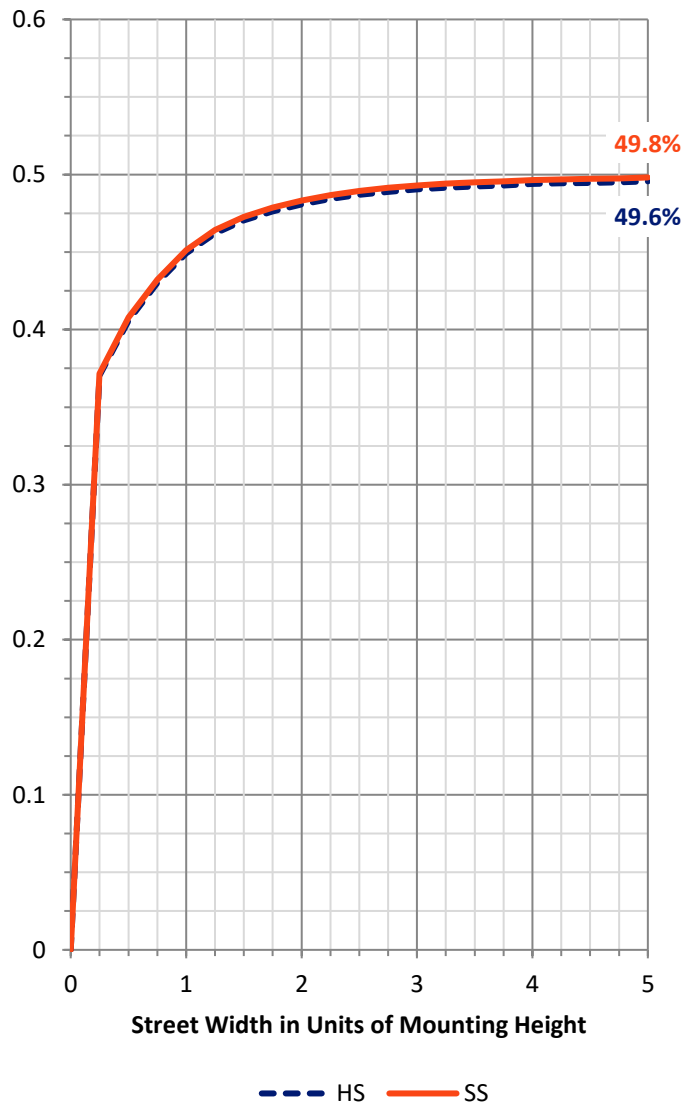
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10743.8	0.0	10743.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10743.8	0.0	10743.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21487.7	0.0	21487.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13562.5	63.1
10°-20°	1676.2	7.8
20°-30°	1004.3	4.7
30°-40°	1079.8	5.0
40°-50°	1451.9	6.8
50°-60°	1294.3	6.0
60°-70°	854.9	4.0
70°-80°	423.9	2.0
80°-90°	139.9	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°	21487.7	100.0
0°-180°	21487.7	100.0



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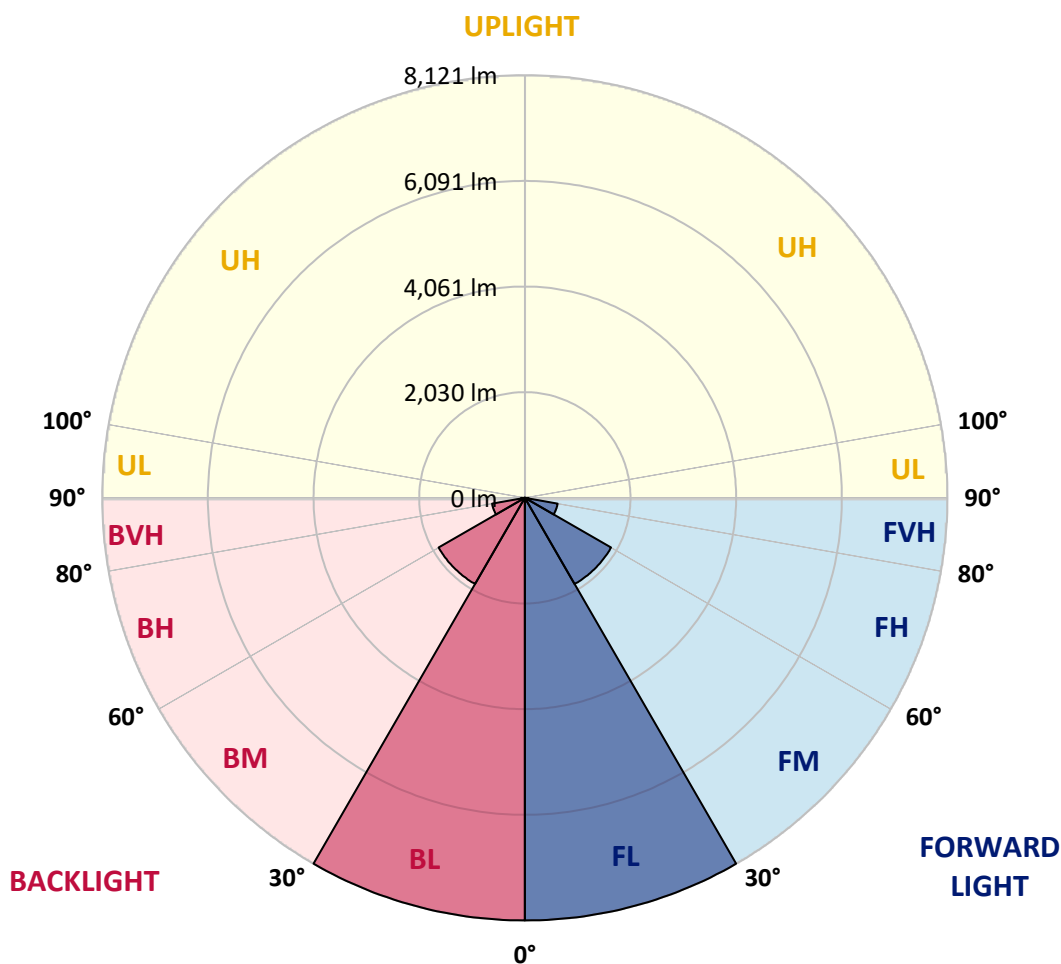
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8121.5	37.8			
FM	(30°-60°)	1913.0	8.9			
FH	(60°-80°)	639.4	3.0			G0/660
FVH	(80°-90°)	70.0	0.3			G1/100
BL	(0°-30°)	8121.5	37.8	B5		
BM	(30°-60°)	1913.0	8.9	B2/2500		
BH	(60°-80°)	639.4	3.0	B2/1000		G0/660
BVH	(80°-90°)	70.0	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°	504706.7	504706.7	504706.7	504706.7	504706.7	504706.7	504706.7	504706.7	504706.7	504706.7
1°	487789.7	482782.9	485358.1	487819.4	491271.1	492791.5	494341.6	495500.4	495480.6	497392.2
2°	441203.6	433136.3	436875.3	441461.1	450330.6	452876.1	457130.1	462394.4	462716.3	467480.4
3°	371881.6	360555.7	366062.6	374229.0	388932.3	392735.6	399554.9	404368.5	402219.2	407795.5
4°	285370.2	270592.6	279006.5	291095.0	305407.1	319927.2	320214.4	323666.2	316579.5	316237.8
5°	192529.8	179500.3	190296.3	205415.6	217781.5	227928.7	234178.5	234609.3	226948.1	226249.9
6°	117423.5	108801.6	118196.1	134196.9	151326.8	155546.2	156502.0	154332.9	144284.7	138723.3
7°	64899.6	61383.5	70565.0	80113.0	93469.3	99644.8	95371.0	88437.8	85362.5	78741.3
8°	35790.1	34056.8	36676.6	44927.1	55292.2	59348.1	55222.9	48022.3	42837.2	41004.9
9°	21577.1	20616.3	21686.0	24825.8	29302.6	32115.5	29753.3	26207.5	24018.6	23409.4
10°	14331.9	13955.5	14411.1	15470.9	17080.4	17902.5	17313.2	15906.7	15243.1	15203.5
12.5°	7522.5	7453.2	7567.1	7685.9	7963.3	8007.8	7903.8	7804.8	7651.3	7710.7
15°	4843.3	4779.0	4897.8	5051.3	5120.7	5165.2	5170.2	5115.7	5011.7	4962.2
17.5°	3531.0	3545.8	3555.7	3644.9	3778.6	3882.6	3838.0	3778.6	3659.7	3600.3
20°	2907.0	2911.9	2931.7	2981.3	3025.8	3169.5	3124.9	3035.7	2921.8	2877.3
22.5°	2486.0	2495.9	2505.9	2535.6	2545.5	2585.1	2590.0	2510.8	2446.4	2421.7
25°	2188.9	2188.9	2203.8	2228.5	2238.4	2208.7	2213.7	2179.0	2119.6	2089.9
27.5°	1857.1	1867.0	1881.9	1891.8	1872.0	1837.3	1792.7	1822.4	1792.7	1723.4
30°	1654.1	1664.0	1708.5	1678.8	1634.3	1589.7	1564.9	1604.5	1609.5	1550.1
32.5°	1639.2	1644.2	1659.0	1644.2	1589.7	1535.2	1500.5	1545.1	1555.0	1530.3
35°	1713.5	1698.6	1718.4	1728.3	1673.9	1614.4	1569.9	1609.5	1639.2	1649.1
37.5°	2075.0	1990.8	1926.4	1906.6	1872.0	1832.3	1772.9	1782.8	1837.3	1886.8
40°	1976.0	1956.2	1931.4	1867.0	1802.6	1852.2	1782.8	1763.0	1886.8	1896.7
42.5°	1961.1	1976.0	1956.2	1876.9	1812.5	1862.1	1847.2	1787.8	1911.6	1896.7
45°	1971.0	1985.9	2030.4	1896.7	1842.2	1867.0	1896.7	1832.3	1956.2	1906.6
47.5°	1891.8	1911.6	1961.1	1886.8	1852.2	1847.2	1891.8	1832.3	1896.7	1891.8
50°	1787.8	1807.6	1822.4	1758.1	1822.4	1787.8	1792.7	1768.0	1768.0	1777.9
52.5°	1654.1	1673.9	1688.7	1614.4	1654.1	1668.9	1609.5	1604.5	1560.0	1574.8
55°	1490.6	1520.4	1535.2	1505.5	1485.7	1515.4	1431.2	1421.3	1332.2	1337.1
57.5°	1302.4	1332.2	1347.0	1381.7	1366.8	1307.4	1257.9	1218.3	1119.2	1079.6
60°	1342.1	1371.8	1342.1	1243.0	1243.0	1109.3	1064.7	980.6	881.5	832.0
62.5°	1297.5	1337.1	1332.2	1228.2	1104.4	936.0	856.7	767.6	668.6	604.2
65°	1223.2	1262.8	1243.0	1173.7	1054.8	802.3	683.4	594.3	470.5	455.6
67.5°	1099.4	1158.8	1119.2	1074.6	980.6	728.0	544.8	445.7	341.7	341.7
70°	911.2	955.8	980.6	931.0	876.6	683.4	465.5	341.7	247.6	188.2
72.5°	732.9	772.6	812.2	787.4	737.9	619.0	416.0	272.4	178.3	109.0
75°	406.1	420.9	435.8	495.2	564.6	505.1	381.3	237.7	148.6	84.2
77.5°	312.0	326.9	361.5	331.8	307.0	391.2	416.0	277.3	128.8	59.4
80°	242.7	262.5	371.4	307.0	262.5	297.1	356.6	242.7	84.2	29.7
82.5°	183.2	198.1	262.5	292.2	277.3	222.9	193.1	163.4	74.3	19.8
85°	133.7	153.5	183.2	163.4	158.5	158.5	212.9	143.6	54.5	14.9
87.5°	79.2	79.2	84.2	79.2	74.3	74.3	84.2	69.3	34.7	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

504706.7

493549.2
463271.0
401833.0
314732.3
223422.1
139208.6
75631.2
39340.9
22582.4
14733.0
7487.8
4882.9
3535.9
2827.8
2392.0
2065.1
1728.3
1530.3
1515.4
1649.1
1931.4
1911.6
1886.8
1891.8
1881.9
1743.2
1550.1
1302.4
1054.8
792.4
594.3
455.6
302.1
168.4
104.0
74.3
29.7
19.8
14.9
9.9
9.9
0.0

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