Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P635977

Luminaire Tested: **IFLD-L-SA7D-950-U-11-VI**

Issue Date: 01/17/2023

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P635977
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	01/17/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	IFLD-L-SA7D-950-U-11-VI
Description:	Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source:	(112) 5000K CCT, 90 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25883.2 lumens
Efficiency:	N/A
Efficacy:	61.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G1
Input Watts (W):	422.6
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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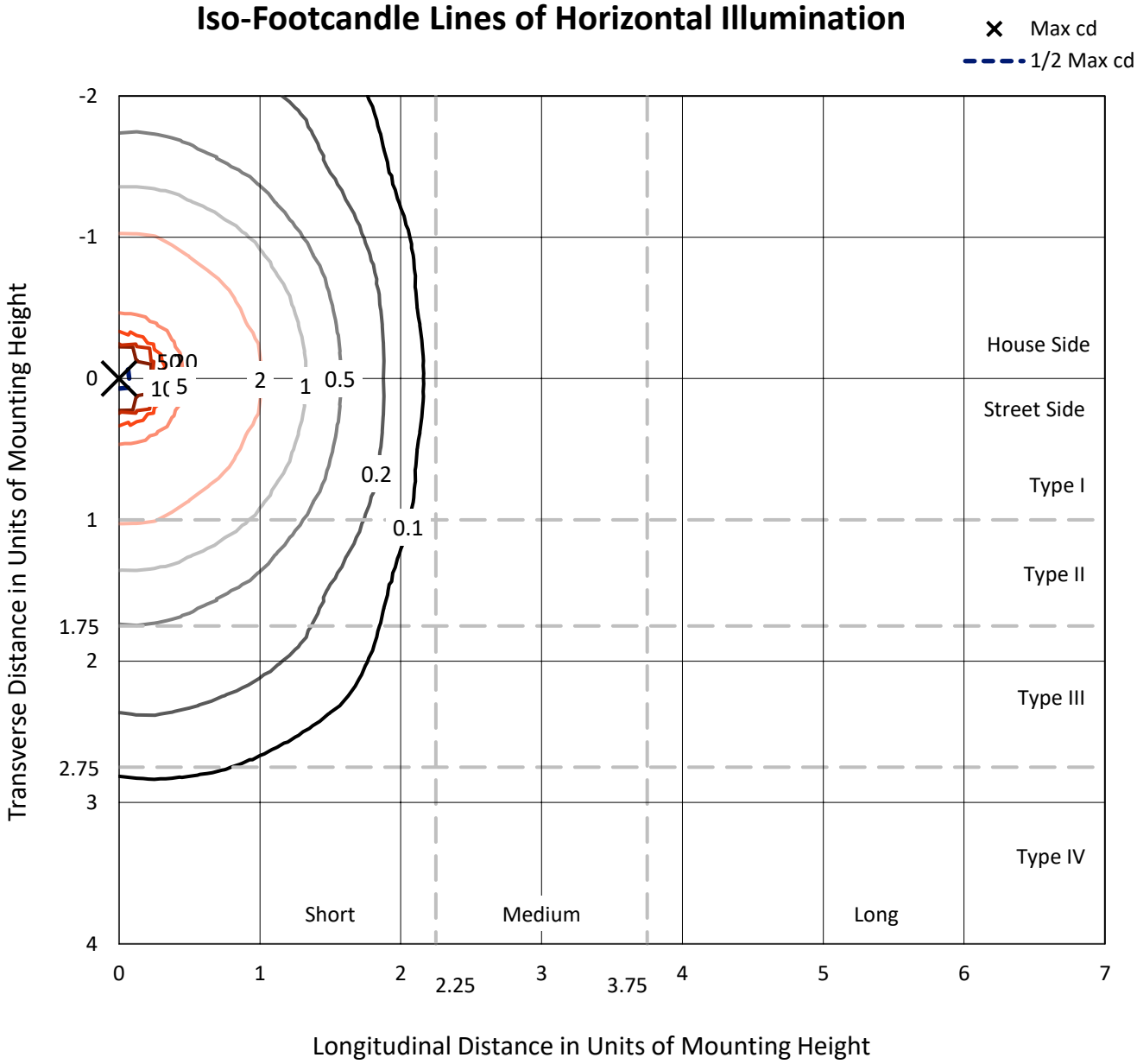
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 1519.9 fc
Type V - Short - N/A

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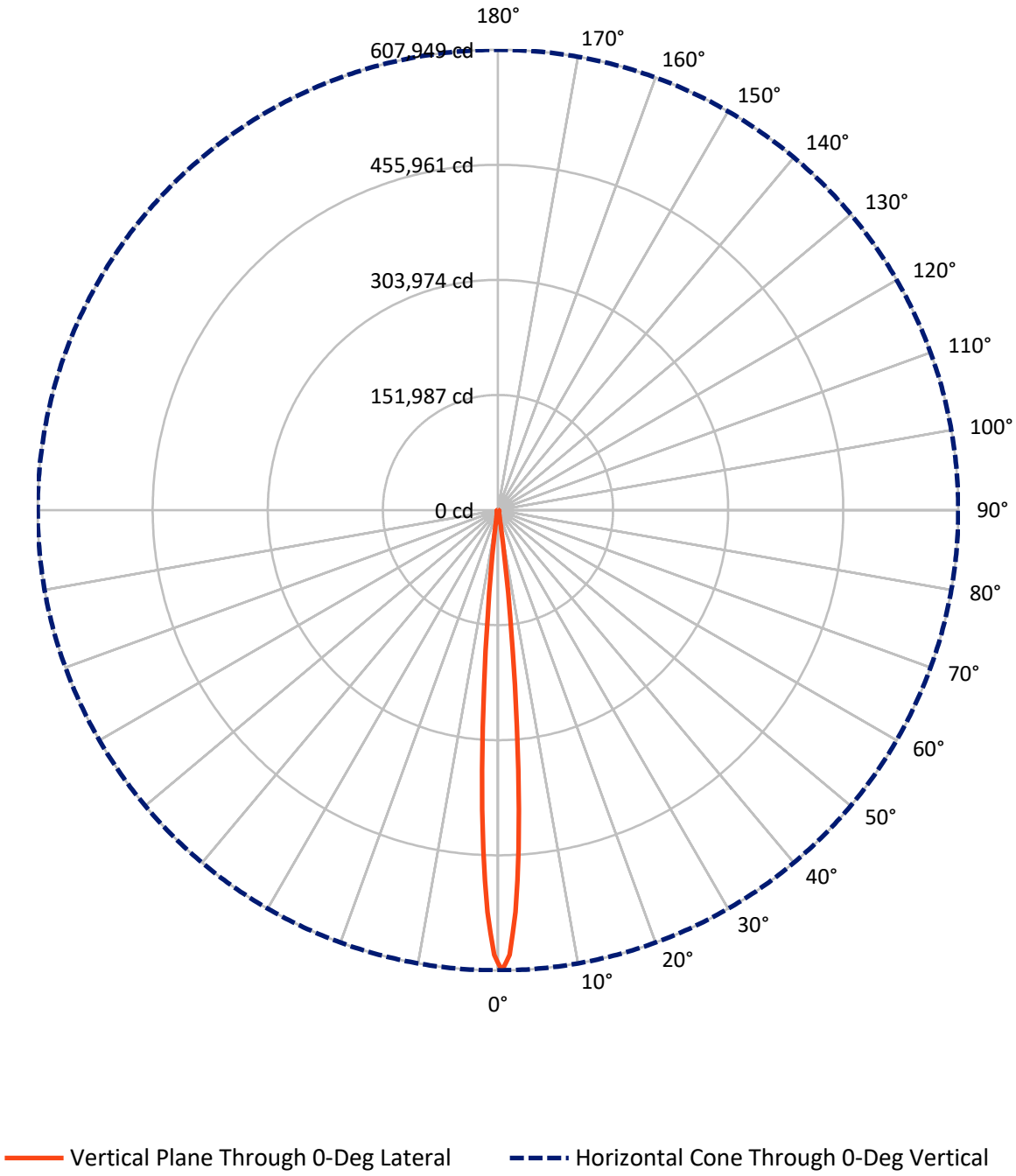
Luminous Intensity Polar Plot



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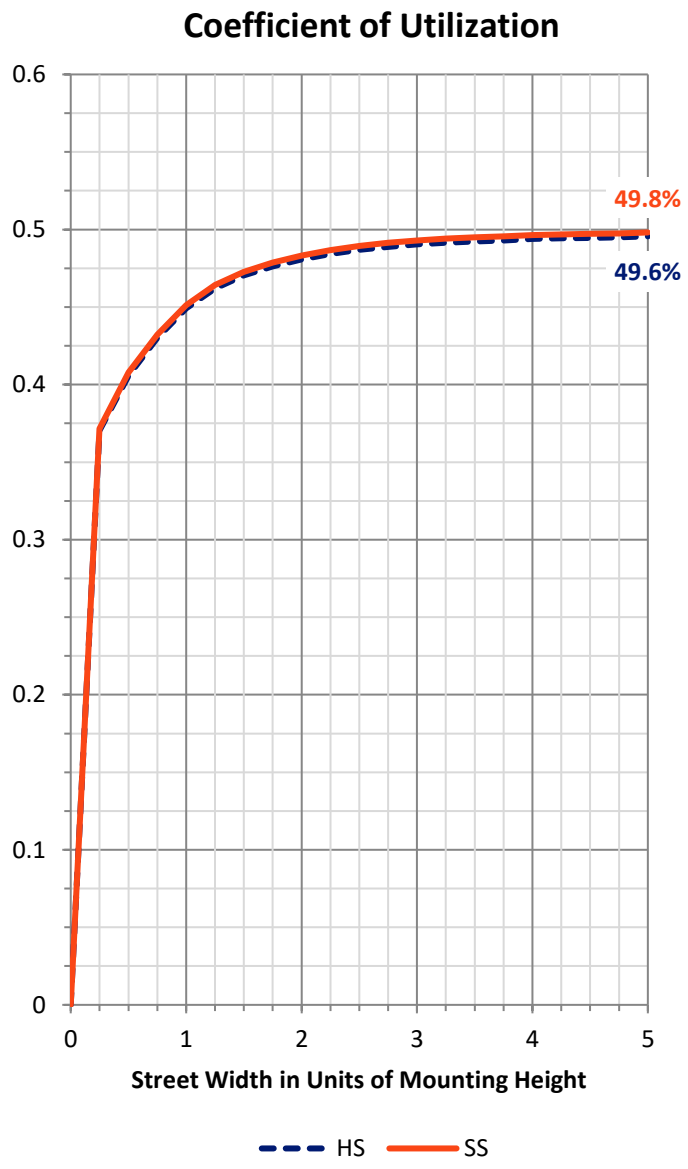
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12941.6	0.0	12941.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12941.6	0.0	12941.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25883.2	0.0	25883.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16336.9	63.1
10°-20°	2019.0	7.8
20°-30°	1209.7	4.7
30°-40°	1300.7	5.0
40°-50°	1748.9	6.8
50°-60°	1559.0	6.0
60°-70°	1029.8	4.0
70°-80°	510.6	2.0
80°-90°	168.6	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°	25883.2	100.0
0°-180°	25883.2	100.0



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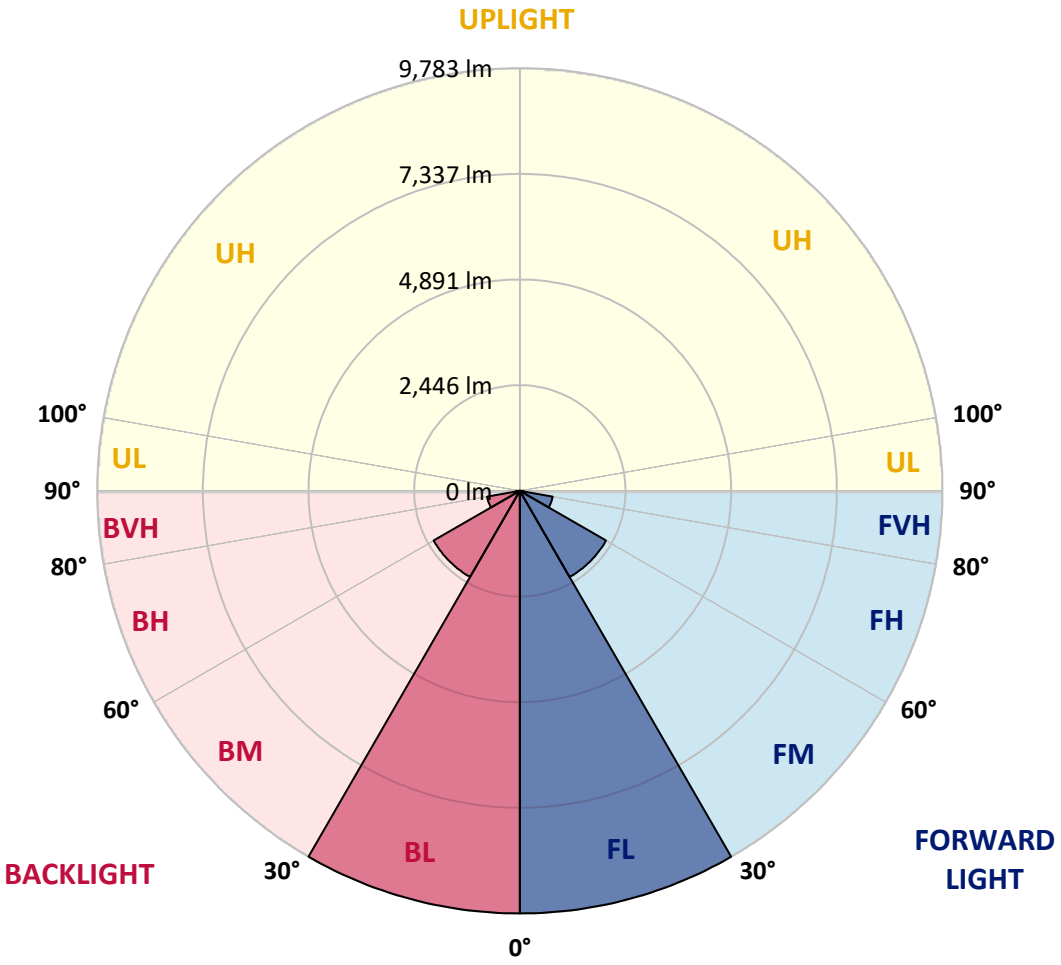
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	9782.8	37.8			
FM	(30°-60°)	2304.3	8.9			
FH	(60°-80°)	770.2	3.0			G1/1800
FVH	(80°-90°)	84.3	0.3			G1/100
BL	(0°-30°)	9782.8	37.8	B5		
BM	(30°-60°)	2304.3	8.9	B2/2500		
BH	(60°-80°)	770.2	3.0	B2/1000		G1/1800
BVH	(80°-90°)	84.3	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°	607948.6	607948.6	607948.6	607948.6	607948.6	607948.6	607948.6	607948.6	607948.6	607948.6
1°	587571.1	581540.2	584642.2	587606.9	591764.7	593596.1	595463.2	596859.1	596835.3	599137.9
2°	531455.5	521738.0	526241.8	531765.7	542449.5	545515.7	550639.9	556981.0	557368.8	563107.4
3°	447953.0	434310.4	440943.8	450780.6	468491.6	473073.0	481287.2	487085.5	484496.5	491213.5
4°	343745.0	325944.6	336079.6	350640.9	367880.7	385371.0	385717.0	389874.8	381338.4	380926.8
5°	231913.4	216218.6	229223.0	247435.1	262330.5	274553.4	282081.6	282600.6	273372.3	272531.2
6°	141443.5	131057.9	142374.1	161648.0	182282.0	187364.4	188515.7	185902.9	173799.3	167100.3
7°	78175.4	73940.0	84999.7	96500.8	112589.3	120028.0	114879.9	106528.5	102824.1	94848.4
8°	43111.3	41023.4	44179.1	54117.3	66602.7	71488.3	66519.2	57845.6	51599.9	49392.8
9°	25990.9	24833.6	26122.1	29904.1	35296.7	38685.0	35839.6	31568.4	28931.8	28198.0
10°	17263.6	16810.2	17359.1	18635.6	20574.4	21564.6	20854.7	19160.6	18361.2	18313.5
12.5°	9061.3	8977.8	9115.0	9258.2	9592.2	9645.9	9520.6	9401.3	9216.4	9288.0
15°	5834.1	5756.5	5899.7	6084.6	6168.1	6221.8	6227.8	6162.2	6036.9	5977.2
17.5°	4253.3	4271.2	4283.1	4390.5	4551.5	4676.8	4623.1	4551.5	4408.4	4336.8
20°	3501.6	3507.6	3531.5	3591.1	3644.8	3817.8	3764.1	3656.7	3519.5	3465.8
22.5°	2994.6	3006.5	3018.4	3054.2	3066.2	3113.9	3119.9	3024.4	2946.9	2917.0
25°	2636.7	2636.7	2654.6	2684.4	2696.3	2660.5	2666.5	2624.7	2553.2	2517.4
27.5°	2237.0	2248.9	2266.8	2278.7	2254.9	2213.1	2159.4	2195.2	2159.4	2075.9
30°	1992.4	2004.3	2058.0	2022.2	1968.6	1914.9	1885.0	1932.8	1938.7	1867.1
32.5°	1974.5	1980.5	1998.4	1980.5	1914.9	1849.2	1807.5	1861.2	1873.1	1843.3
35°	2064.0	2046.1	2070.0	2081.9	2016.3	1944.7	1891.0	1938.7	1974.5	1986.4
37.5°	2499.5	2398.1	2320.5	2296.6	2254.9	2207.2	2135.6	2147.5	2213.1	2272.8
40°	2380.2	2356.3	2326.5	2248.9	2171.4	2231.0	2147.5	2123.7	2272.8	2284.7
42.5°	2362.3	2380.2	2356.3	2260.9	2183.3	2243.0	2225.1	2153.5	2302.6	2284.7
45°	2374.2	2392.1	2445.8	2284.7	2219.1	2248.9	2284.7	2207.2	2356.3	2296.6
47.5°	2278.7	2302.6	2362.3	2272.8	2231.0	2225.1	2278.7	2207.2	2284.7	2278.7
50°	2153.5	2177.3	2195.2	2117.7	2195.2	2153.5	2159.4	2129.6	2129.6	2141.5
52.5°	1992.4	2016.3	2034.2	1944.7	1992.4	2010.3	1938.7	1932.8	1879.1	1897.0
55°	1795.6	1831.4	1849.2	1813.5	1789.6	1825.4	1724.0	1712.0	1604.7	1610.6
57.5°	1568.9	1604.7	1622.6	1664.3	1646.4	1574.8	1515.2	1467.5	1348.2	1300.4
60°	1616.6	1652.4	1616.6	1497.3	1497.3	1336.2	1282.5	1181.1	1061.8	1002.2
62.5°	1562.9	1610.6	1604.7	1479.4	1330.3	1127.4	1032.0	924.6	805.3	727.8
65°	1473.4	1521.2	1497.3	1413.8	1270.6	966.4	823.2	715.8	566.7	548.8
67.5°	1324.3	1395.9	1348.2	1294.5	1181.1	876.9	656.2	536.9	411.6	411.6
70°	1097.6	1151.3	1181.1	1121.5	1055.9	823.2	560.7	411.6	298.3	226.7
72.5°	882.9	930.6	978.3	948.5	888.8	745.7	501.1	328.1	214.8	131.2
75°	489.2	507.1	524.9	596.5	680.0	608.5	459.3	286.3	179.0	101.4
77.5°	375.8	393.7	435.5	399.7	369.8	471.3	501.1	334.1	155.1	71.6
80°	292.3	316.2	447.4	369.8	316.2	357.9	429.5	292.3	101.4	35.8
82.5°	220.7	238.6	316.2	352.0	334.1	268.4	232.6	196.9	89.5	23.9
85°	161.1	184.9	220.7	196.9	190.9	190.9	256.5	173.0	65.6	17.9
87.5°	95.4	95.4	101.4	95.4	89.5	89.5	101.4	83.5	41.8	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
607948.6
594508.8
558036.9
484031.2
379113.4
269125.0
167684.9
91102.2
47388.4
27201.8
17746.8
9019.5
5881.8
4259.2
3406.2
2881.2
2487.5
2081.9
1843.3
1825.4
1986.4
2326.5
2302.6
2272.8
2278.7
2266.8
2099.8
1867.1
1568.9
1270.6
954.4
715.8
548.8
363.9
202.8
125.3
89.5
35.8
23.9
17.9
11.9
11.9
0.0

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