

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: P477215

Luminaire Tested: **IFLD-S-SA2A-722-U-T3**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477215
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-722-U-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

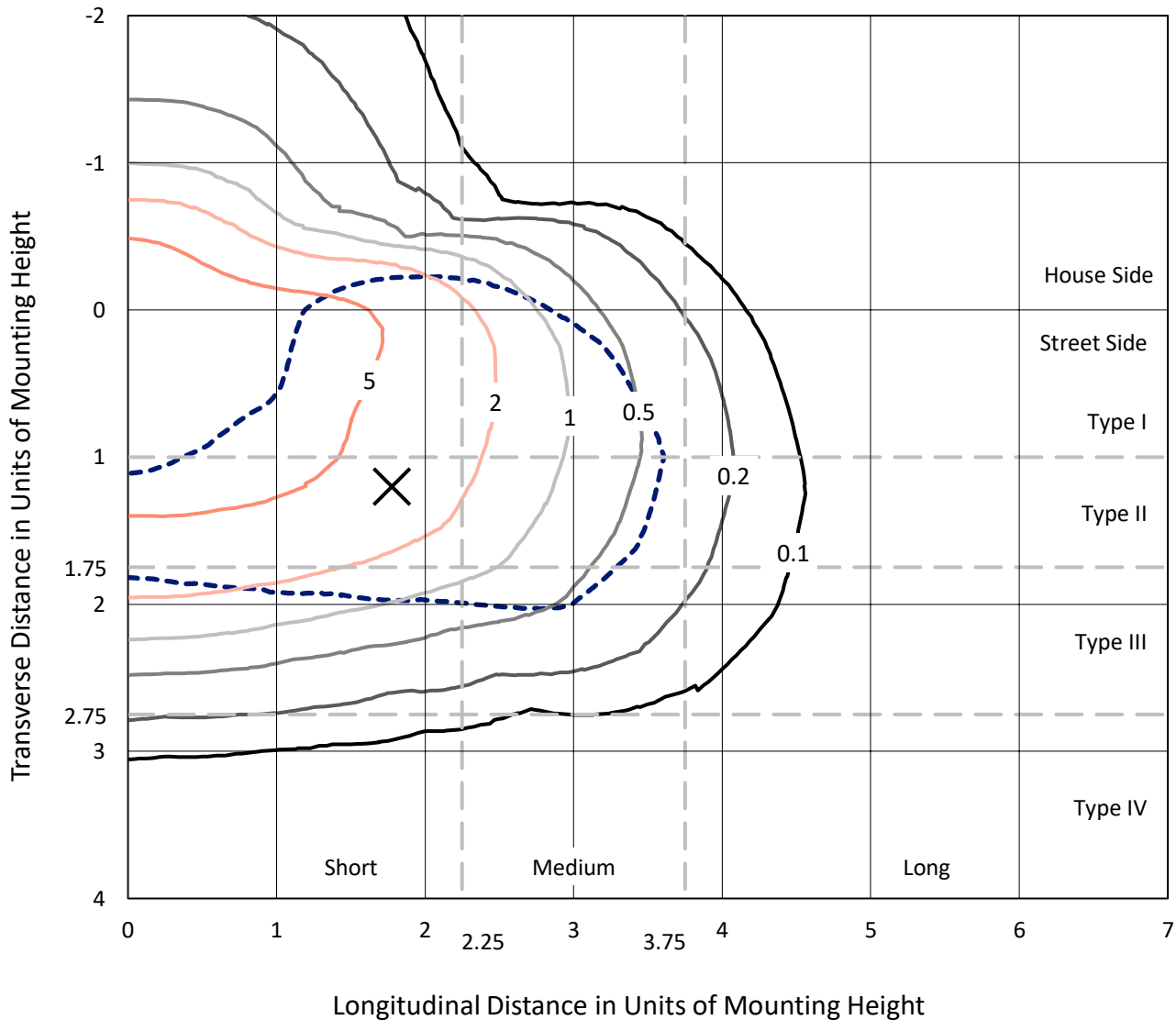
Lumens per Lamp: N/A
Luminaire Lumens: 6926.4 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (A_{in}): 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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

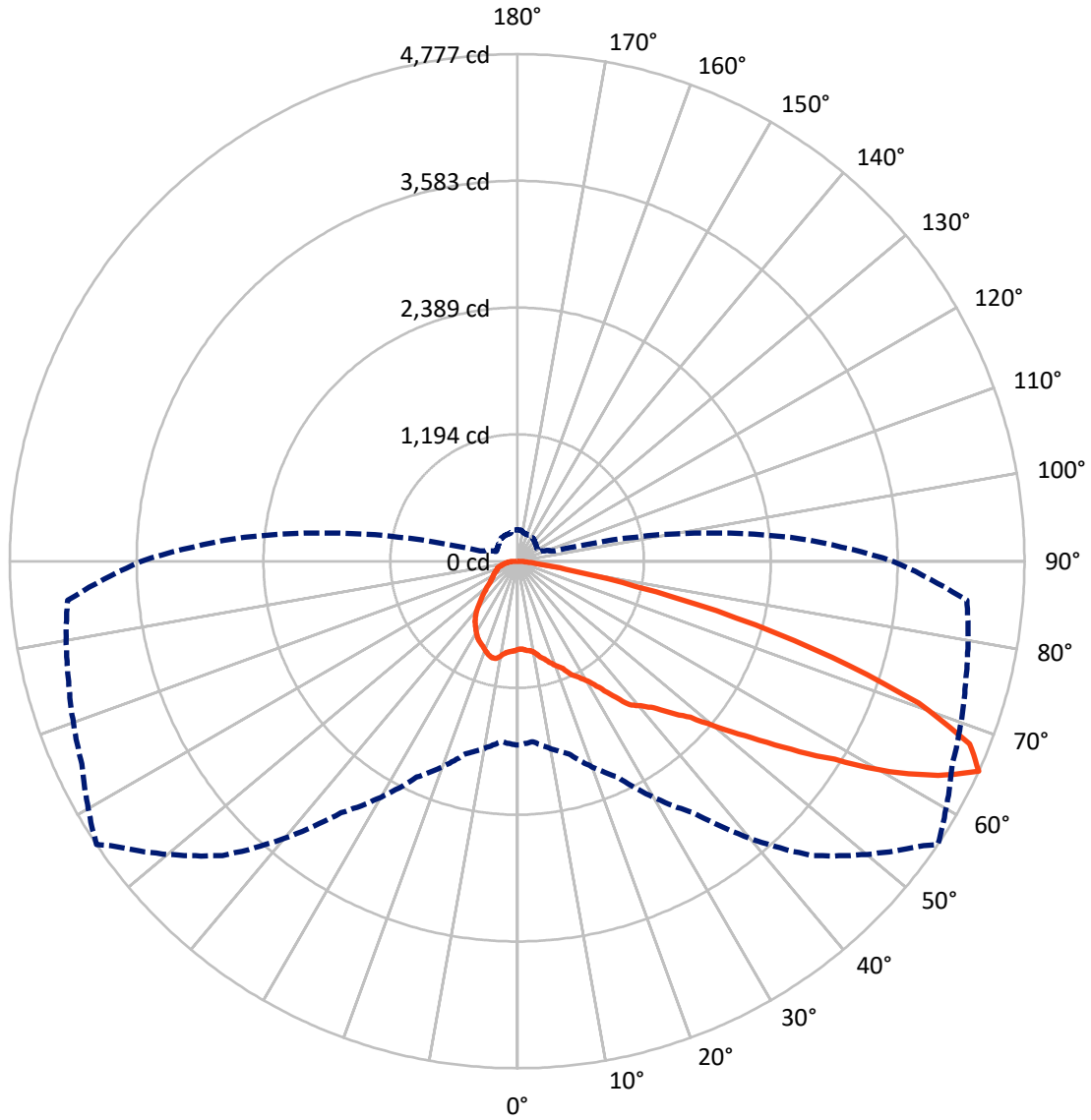
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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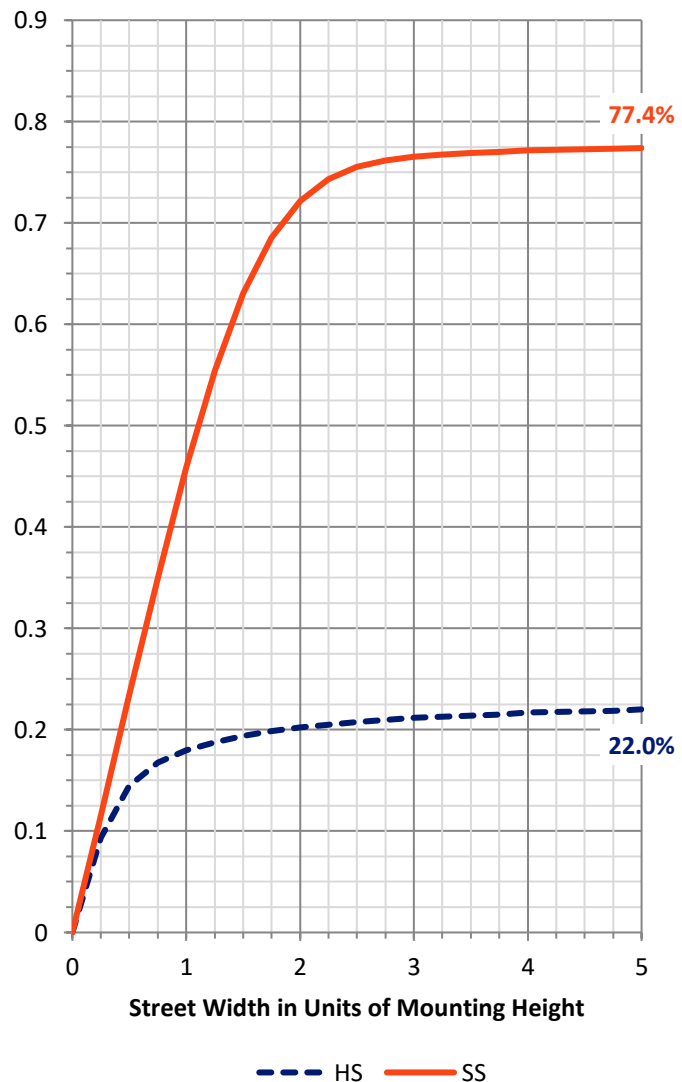
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1553.4	0.0	1553.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	5373.0	0.0	5373.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	6926.4	0.0	6926.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.2
10°-20°	267.5	3.9
20°-30°	476.3	6.9
30°-40°	713.3	10.3
40°-50°	1056.8	15.3
50°-60°	1628.4	23.5
60°-70°	1843.6	26.6
70°-80°	765.1	11.0
80°-90°	92.9	1.3
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°	6926.4	100.0
0°-180°	6926.4	100.0

Coefficient of Utilization

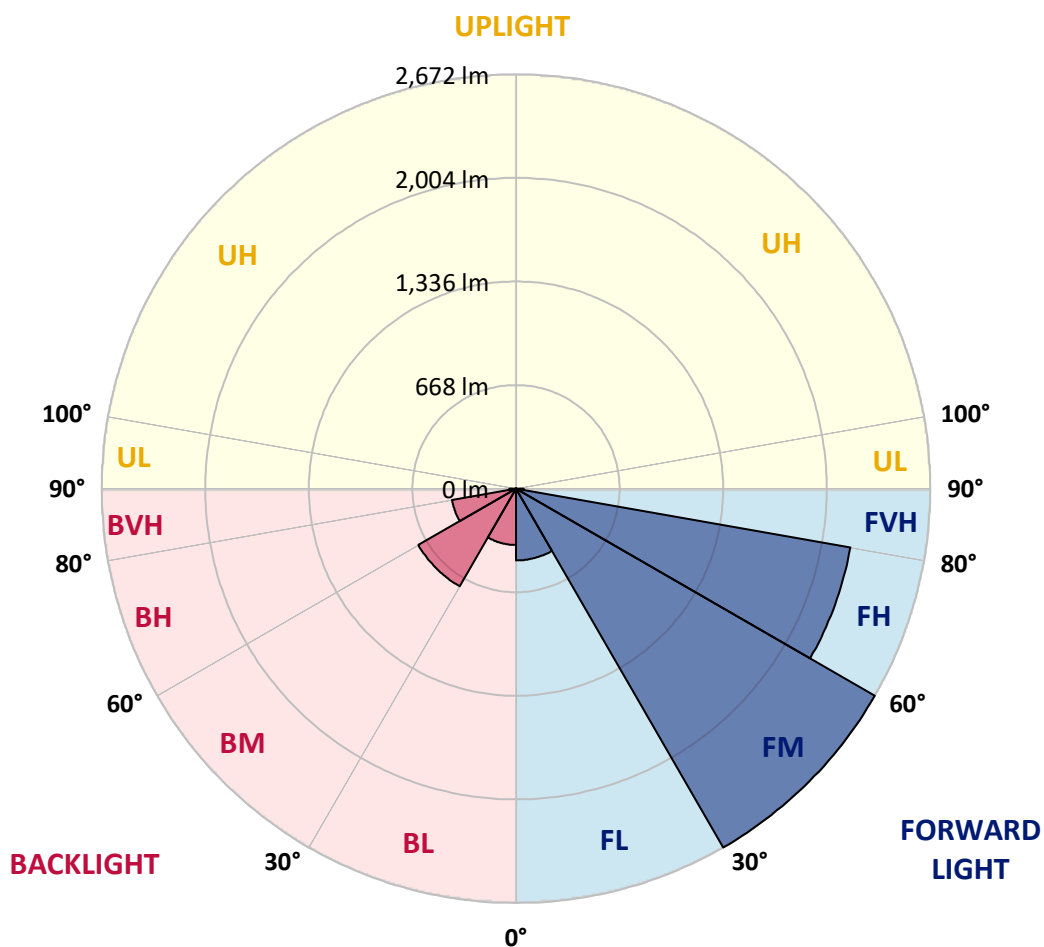


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.9	6.7			
FM (30°-60°)	2671.9	38.6			
FH (60°-80°)	2189.2	31.6			G2/5000
FVH (80°-90°)	49.0	0.7			G1/100
BL (0°-30°)	363.3	5.2	B1/500		
BM (30°-60°)	726.6	10.5	B1/1000		
BH (60°-80°)	419.5	6.1	B1/500		G1/500
BVH (80°-90°)	43.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4
2.5°	809.6	814.0	811.1	819.8	827.0	827.0	832.8	828.5	834.3	842.2
5°	836.4	819.0	828.5	832.8	830.6	834.3	828.5	843.0	833.5	848.8
7.5°	843.0	849.5	857.5	850.2	856.7	853.1	853.8	851.7	846.6	858.9
10°	890.8	881.4	899.5	888.6	887.2	885.7	882.8	872.0	884.3	885.0
12.5°	945.9	937.2	936.5	927.8	939.4	918.3	922.7	916.9	919.1	922.0
15°	985.8	982.1	998.8	988.7	973.4	964.0	974.2	958.2	966.2	964.7
17.5°	1064.8	1064.0	1051.7	1035.0	1026.3	1012.6	1010.4	1003.9	1009.7	1006.8
20°	1119.8	1127.8	1130.0	1110.4	1077.1	1061.9	1058.2	1053.2	1059.7	1057.5
22.5°	1203.9	1191.6	1201.0	1167.0	1154.6	1118.4	1105.3	1098.1	1129.3	1121.3
25°	1257.6	1270.6	1261.2	1249.6	1222.0	1177.1	1167.7	1183.6	1195.9	1187.3
27.5°	1378.6	1365.6	1356.9	1322.1	1303.9	1256.8	1246.0	1240.2	1243.1	1248.1
30°	1470.7	1477.9	1458.3	1433.7	1388.0	1340.2	1314.8	1309.7	1299.6	1290.9
32.5°	1601.8	1591.0	1579.4	1563.4	1524.3	1461.2	1436.6	1417.7	1387.3	1346.7
35°	1664.9	1696.1	1687.4	1644.6	1614.9	1591.0	1583.7	1554.7	1529.4	1465.6
37.5°	1770.0	1783.1	1770.7	1757.0	1743.2	1717.8	1709.1	1717.1	1667.1	1562.0
40°	1838.1	1865.7	1891.0	1852.6	1849.7	1854.8	1801.2	1791.7	1688.8	1633.7
42.5°	1977.3	1988.9	1994.0	1992.5	2009.2	2009.2	1907.0	1886.7	1813.5	1768.6
45°	2161.4	2170.8	2188.9	2202.0	2183.2	2192.6	2046.9	2038.9	1973.7	1965.0
47.5°	2320.9	2343.3	2383.9	2422.3	2447.0	2415.1	2255.6	2199.1	2182.4	2234.6
50°	2460.0	2433.2	2528.2	2567.3	2675.3	2728.2	2486.1	2463.7	2436.8	2536.9
52.5°	2473.8	2510.0	2644.1	2722.4	2944.9	3042.8	2768.8	2759.4	2726.8	2842.0
55°	2572.4	2568.0	2702.8	2872.5	3137.0	3301.5	3137.0	3131.2	3060.2	3169.6
57.5°	2555.7	2599.9	2706.5	2943.5	3310.2	3579.1	3563.9	3524.1	3424.8	3513.9
60°	2499.2	2510.8	2640.5	2941.3	3411.0	3864.0	4024.9	4032.9	3829.9	3901.0
62.5°	2178.8	2205.6	2370.2	2710.1	3339.2	4060.4	4475.0	4446.8	4284.4	4203.2
65°	1733.0	1706.2	1877.3	2244.8	2892.7	3921.3	4672.2	4777.3	4522.1	4373.5
67.5°	1062.6	1056.1	1220.6	1544.6	2164.3	3337.1	4514.9	4596.8	4456.2	4337.3
70°	547.2	530.6	633.5	861.8	1360.5	2448.4	3929.2	4009.7	4143.8	3890.1
72.5°	255.1	251.5	306.6	424.0	692.9	1439.5	3042.8	3100.8	3383.4	3279.8
75°	150.0	152.2	183.4	221.8	337.8	678.4	2019.3	2131.7	2438.3	2363.6
77.5°	112.3	112.3	130.5	154.4	197.2	262.4	996.6	1145.2	1425.7	1282.2
80°	82.6	84.1	100.0	116.0	137.0	135.5	395.8	463.9	653.8	558.8
82.5°	64.5	66.7	77.6	86.3	96.4	81.9	162.4	174.7	268.9	213.8
85°	44.9	46.4	60.9	58.7	58.7	45.7	67.4	71.0	106.5	101.5
87.5°	10.9	12.3	29.7	32.6	24.6	13.8	21.0	23.9	38.4	44.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
831.4	0°	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4	831.4
845.9	2.5°	835.0	837.9	850.2	843.7	847.3	832.1	844.4	834.3	843.0	838.6
852.4	5°	858.2	851.7	858.9	853.8	853.8	859.6	868.3	861.8	874.9	869.1
857.5	7.5°	867.6	868.3	872.7	873.4	869.8	887.9	888.6	886.5	898.8	895.9
892.3	10°	890.8	891.5	899.5	903.8	900.2	906.7	899.5	893.7	893.0	890.1
919.8	12.5°	927.8	935.0	933.6	937.2	937.9	910.4	893.7	865.4	861.8	865.4
960.4	15°	961.8	958.9	960.4	967.6	937.2	893.0	863.3	839.3	840.8	841.5
1013.3	17.5°	1002.4	1004.6	1006.8	973.4	917.6	865.4	839.3	839.3	832.1	835.0
1050.3	20°	1048.8	1040.1	1021.3	974.2	883.6	833.5	825.6	825.6	816.9	811.1
1090.1	22.5°	1085.1	1067.7	1039.4	951.7	853.1	821.2	801.6	787.9	777.7	766.1
1134.3	25°	1108.2	1098.8	1043.7	928.5	830.6	788.6	759.6	738.6	725.5	710.3
1169.1	27.5°	1143.8	1125.6	1056.1	901.7	806.0	756.0	711.0	678.4	653.8	637.8
1222.0	30°	1191.6	1165.5	1047.4	863.3	768.3	699.4	646.5	604.5	576.2	563.2
1272.1	32.5°	1230.7	1196.7	1040.1	828.5	726.3	642.2	571.9	529.1	513.2	496.5
1356.1	35°	1305.4	1238.0	1035.0	808.9	688.6	584.9	511.0	474.0	453.7	429.1
1406.1	37.5°	1362.7	1309.7	1022.7	768.3	640.0	529.1	464.6	431.3	400.8	374.7
1522.1	40°	1452.5	1409.8	1023.4	711.0	582.8	481.3	428.4	393.6	355.2	332.7
1693.9	42.5°	1621.4	1508.3	1027.8	665.4	518.2	442.1	395.8	354.4	316.0	297.2
1889.6	45°	1828.7	1643.9	1001.0	624.1	452.3	405.2	356.6	315.3	290.7	276.9
2155.6	47.5°	2067.2	1776.5	964.7	546.5	397.2	366.0	320.4	296.5	278.3	270.4
2498.4	50°	2333.9	1966.4	954.6	475.5	354.4	332.7	303.0	284.9	272.5	263.1
2884.8	52.5°	2677.5	2187.5	934.3	402.3	317.5	305.9	296.5	284.1	273.3	265.3
3245.0	55°	3005.8	2432.5	912.5	342.1	291.4	292.8	297.9	287.0	277.6	265.3
3648.7	57.5°	3375.5	2682.5	832.1	297.9	271.8	286.3	296.5	284.1	274.7	265.3
4061.9	60°	3603.8	2823.2	674.8	259.5	254.4	274.0	287.8	274.7	264.6	268.2
4251.8	62.5°	3696.6	2749.2	508.8	235.6	242.1	257.3	274.0	268.9	261.7	275.4
4249.6	65°	3538.6	2578.9	363.9	215.3	225.4	240.6	261.7	267.5	269.6	296.5
3903.1	67.5°	3148.6	2245.5	267.5	198.6	208.0	230.5	270.4	279.8	278.3	311.7
3275.5	70°	2519.5	1756.2	208.7	184.8	201.5	238.5	282.7	282.7	272.5	311.7
2498.4	72.5°	1833.1	1238.0	179.8	168.9	184.8	218.9	281.2	280.5	267.5	284.9
1591.0	75°	1109.7	720.5	158.7	152.9	158.7	187.7	268.9	264.6	246.4	245.0
765.4	77.5°	553.0	362.4	129.7	135.5	138.4	157.3	236.3	242.8	218.2	212.4
302.2	80°	233.4	158.0	108.0	116.7	116.7	132.6	196.4	200.8	181.2	170.3
119.6	82.5°	106.5	90.6	92.1	101.5	95.0	102.9	155.8	160.9	147.1	129.0
50.7	85°	44.9	51.5	70.3	79.7	70.3	66.7	107.3	113.1	95.7	79.7
21.7	87.5°	20.3	28.3	44.2	58.0	35.5	31.2	57.3	59.4	47.8	35.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
831.4
830.6
861.1
891.5
890.1
866.9
851.7
835.7
802.4
759.6
713.2
645.1
570.4
495.8
426.9
375.5
334.9
298.6
279.8
268.9
264.6
264.6
264.6
264.6
265.3
271.8
296.5
313.8
305.1
274.7
242.1
208.7
166.7
126.1
80.5
33.3
0.0

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