

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: P477216

Luminaire Tested: **IFLD-S-SA2B-722-U-T3**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477216
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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

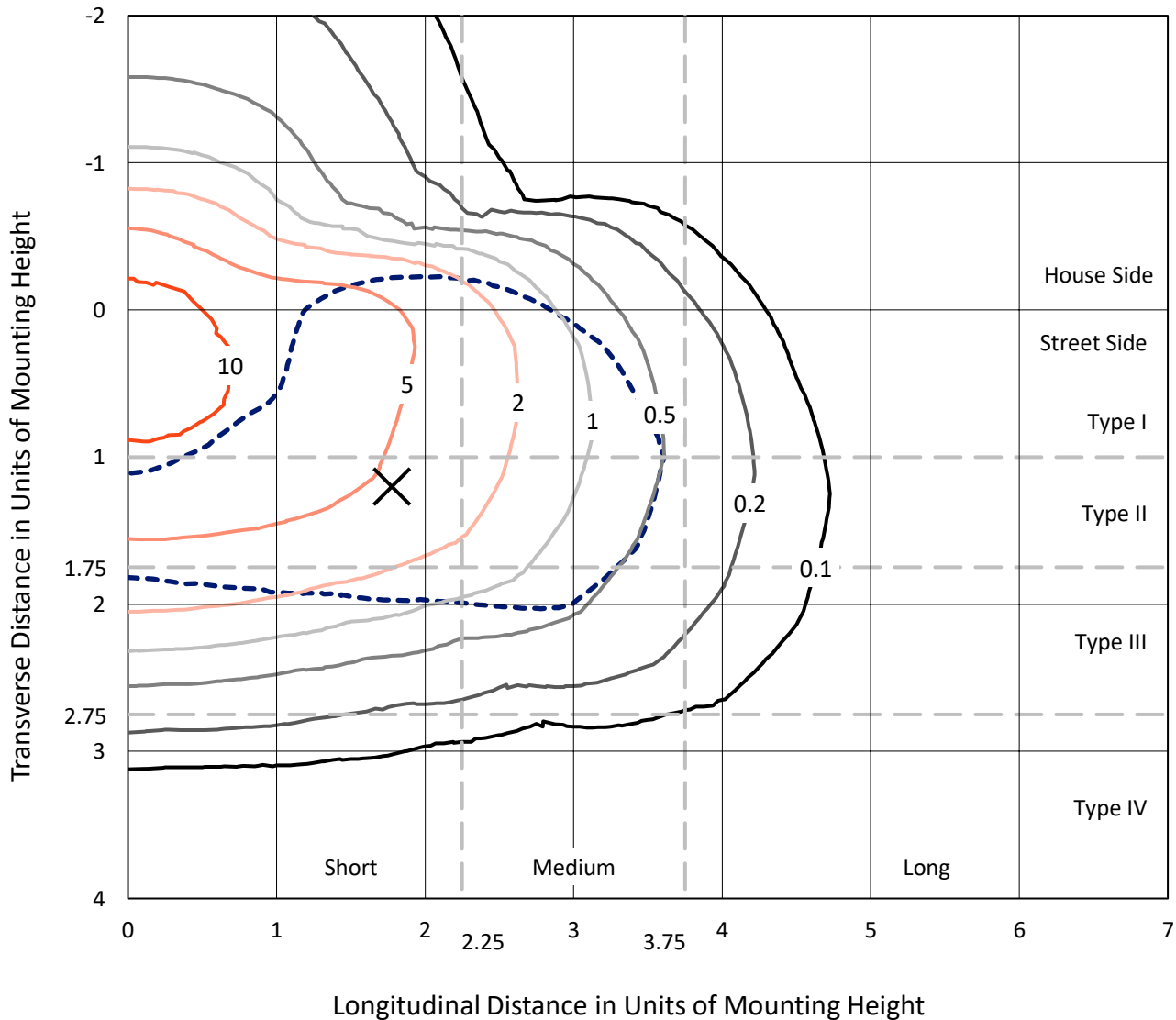
Lumens per Lamp: N/A
Luminaire Lumens: 8566.1 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 82.4
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

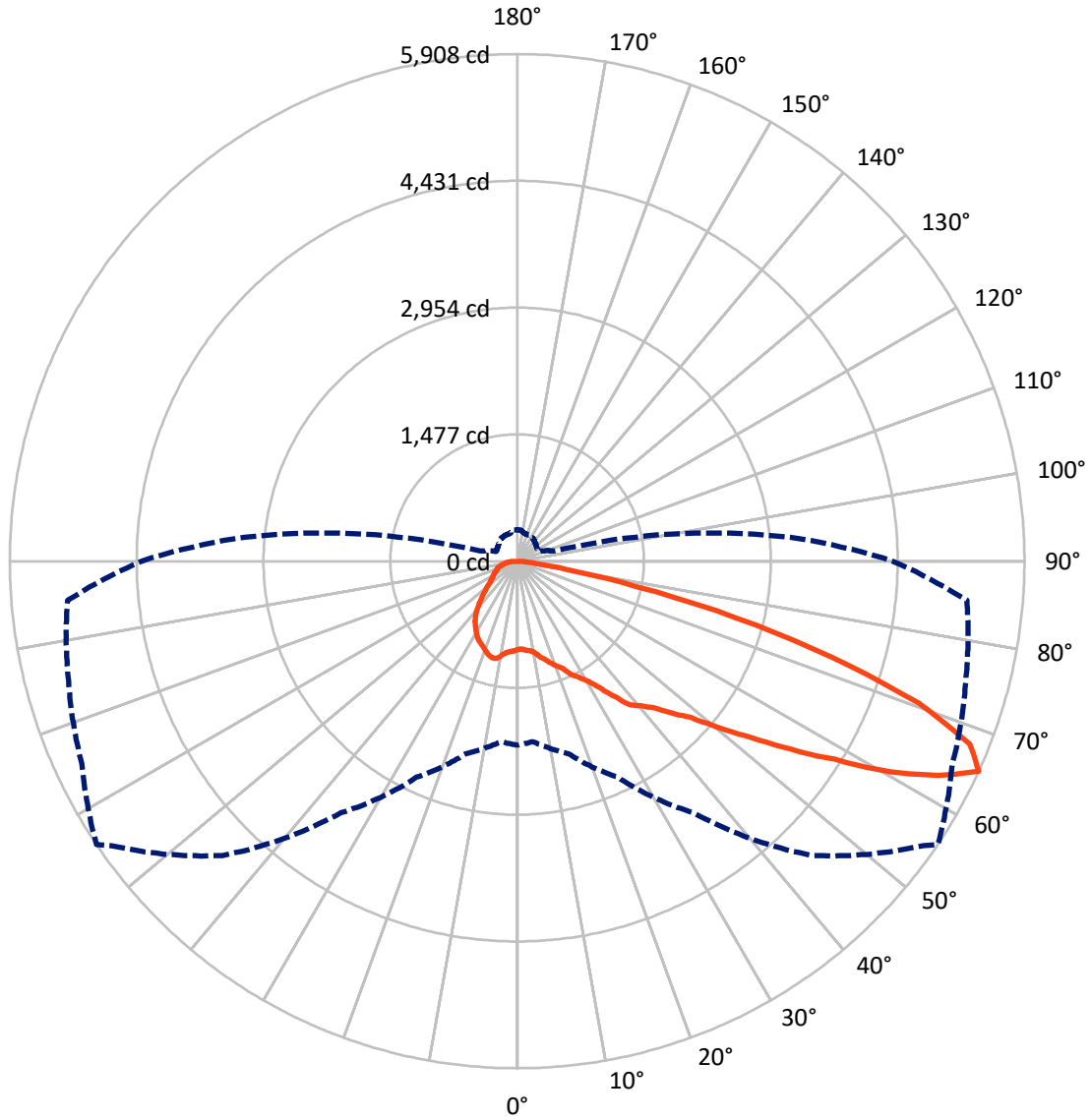
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 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	1921.1	0.0	1921.1
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6645.0	0.0	6645.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	8566.1	0.0	8566.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	1.2
10°-20°	330.8	3.9
20°-30°	589.1	6.9
30°-40°	882.1	10.3
40°-50°	1307.0	15.3
50°-60°	2013.9	23.5
60°-70°	2280.0	26.6
70°-80°	946.2	11.0
80°-90°	115.0	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°	8566.1	100.0
0°-180°	8566.1	100.0

Coefficient of Utilization

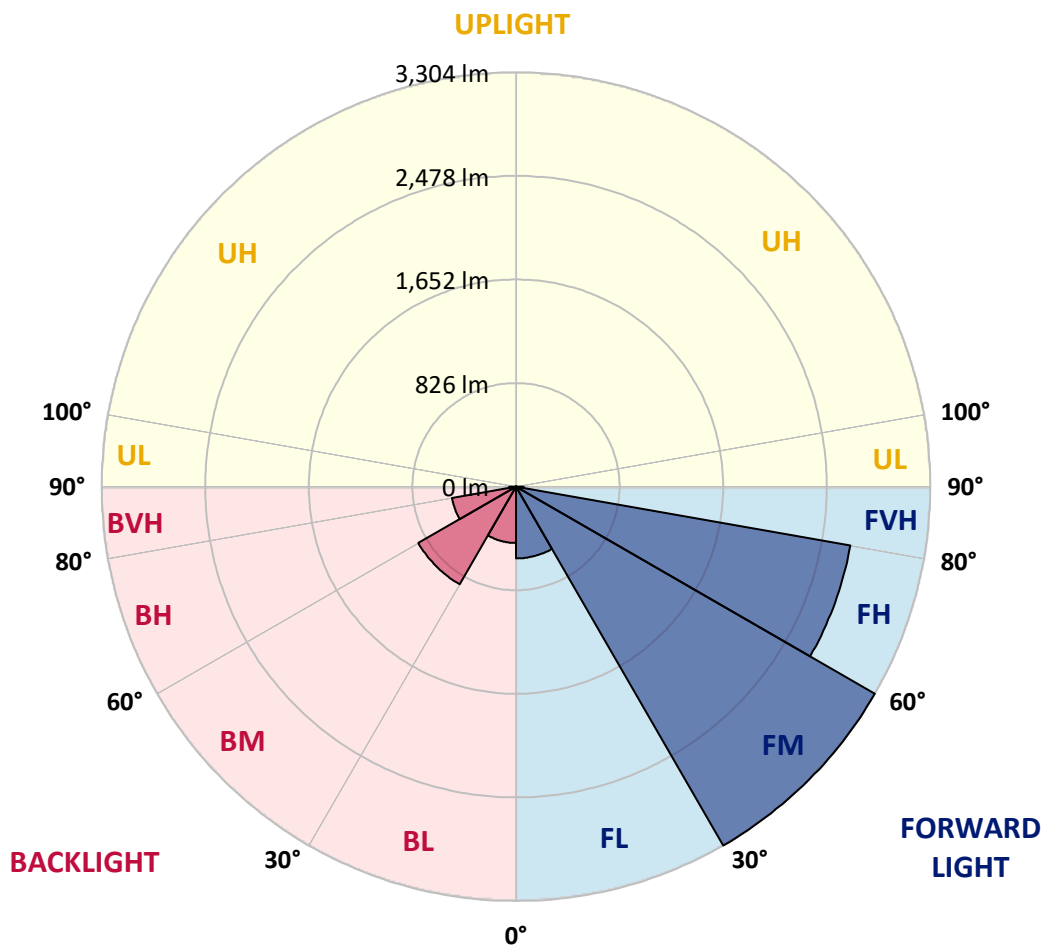


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.5	6.7			
FM (30°-60°)	3304.4	38.6			
FH (60°-80°)	2707.5	31.6			G2/5000
FVH (80°-90°)	60.6	0.7			G1/100
BL (0°-30°)	449.4	5.2	B1/500		
BM (30°-60°)	898.6	10.5	B1/1000		
BH (60°-80°)	518.8	6.1	B2/1000		G2/1000
BVH (80°-90°)	54.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2
2.5°	1001.3	1006.7	1003.1	1013.8	1022.8	1022.8	1030.0	1024.6	1031.8	1041.6
5°	1034.5	1012.9	1024.6	1030.0	1027.3	1031.8	1024.6	1042.5	1030.9	1049.7
7.5°	1042.5	1050.6	1060.4	1051.5	1059.5	1055.1	1056.0	1053.3	1047.0	1062.2
10°	1101.7	1090.0	1112.4	1099.0	1097.2	1095.4	1091.8	1078.4	1093.6	1094.5
12.5°	1169.8	1159.1	1158.2	1147.4	1161.7	1135.7	1141.1	1134.0	1136.6	1140.2
15°	1219.1	1214.6	1235.2	1222.7	1203.9	1192.2	1204.8	1185.0	1194.9	1193.1
17.5°	1316.8	1315.9	1300.7	1280.1	1269.3	1252.3	1249.6	1241.5	1248.7	1245.1
20°	1384.9	1394.8	1397.5	1373.3	1332.1	1313.2	1308.7	1302.5	1310.5	1307.9
22.5°	1488.9	1473.7	1485.3	1443.2	1428.0	1383.2	1367.0	1358.1	1396.6	1386.7
25°	1555.3	1571.4	1559.7	1545.4	1511.3	1455.8	1444.1	1463.8	1479.1	1468.3
27.5°	1705.0	1688.8	1678.1	1635.0	1612.6	1554.4	1540.9	1533.7	1537.3	1543.6
30°	1818.8	1827.8	1803.6	1773.1	1716.6	1657.5	1626.1	1619.8	1607.3	1596.5
32.5°	1981.1	1967.6	1953.3	1933.5	1885.1	1807.2	1776.7	1753.4	1715.7	1665.5
35°	2059.0	2097.6	2086.8	2033.9	1997.2	1967.6	1958.6	1922.8	1891.4	1812.5
37.5°	2189.0	2205.2	2189.9	2172.9	2155.9	2124.5	2113.7	2123.6	2061.7	1931.8
40°	2273.3	2307.3	2338.7	2291.2	2287.6	2293.9	2227.6	2215.9	2088.6	2020.5
42.5°	2445.4	2459.7	2466.0	2464.2	2484.8	2484.8	2358.4	2333.3	2242.8	2187.2
45°	2673.1	2684.7	2707.1	2723.3	2700.0	2711.6	2531.4	2521.6	2440.9	2430.2
47.5°	2870.3	2898.1	2948.3	2995.8	3026.3	2986.8	2789.6	2719.7	2699.1	2763.6
50°	3042.4	3009.2	3126.7	3175.1	3308.6	3374.1	3074.7	3046.9	3013.7	3137.4
52.5°	3059.4	3104.2	3270.1	3366.9	3642.1	3763.1	3424.3	3412.6	3372.3	3514.8
55°	3181.3	3176.0	3342.7	3552.4	3879.6	4083.1	3879.6	3872.5	3784.6	3920.0
57.5°	3160.7	3215.4	3347.2	3640.3	4093.9	4426.4	4407.6	4358.3	4235.5	4345.8
60°	3090.8	3105.1	3265.6	3637.6	4218.5	4778.7	4977.7	4987.6	4736.6	4824.4
62.5°	2694.6	2727.8	2931.2	3351.7	4129.7	5021.7	5534.4	5499.4	5298.6	5198.2
65°	2143.3	2110.1	2321.7	2776.2	3577.5	4849.5	5778.2	5908.2	5592.7	5408.9
67.5°	1314.1	1306.1	1509.5	1910.2	2676.7	4127.0	5583.7	5685.0	5511.1	5364.1
70°	676.8	656.2	783.5	1065.8	1682.6	3028.1	4859.4	4958.9	5124.7	4811.0
72.5°	315.5	311.1	379.2	524.4	857.0	1780.3	3763.1	3834.8	4184.4	4056.2
75°	185.6	188.2	226.8	274.3	417.7	839.0	2497.4	2636.3	3015.5	2923.2
77.5°	138.9	138.9	161.4	190.9	243.8	324.5	1232.6	1416.3	1763.2	1585.7
80°	102.2	104.0	123.7	143.4	169.4	167.6	489.4	573.7	808.6	691.1
82.5°	79.8	82.5	95.9	106.7	119.2	101.3	200.8	216.0	332.6	264.4
85°	55.6	57.4	75.3	72.6	72.6	56.5	83.4	87.8	131.8	125.5
87.5°	13.4	15.2	36.8	40.3	30.5	17.0	26.0	29.6	47.5	54.7
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°
1028.2	0°	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2	1028.2
1046.1	2.5°	1032.7	1036.2	1051.5	1043.4	1047.9	1029.1	1044.3	1031.8	1042.5	1037.1
1054.2	5°	1061.3	1053.3	1062.2	1056.0	1056.0	1063.1	1073.9	1065.8	1082.0	1074.8
1060.4	7.5°	1073.0	1073.9	1079.3	1080.2	1075.7	1098.1	1099.0	1096.3	1111.5	1108.0
1103.5	10°	1101.7	1102.6	1112.4	1117.8	1113.3	1121.4	1112.4	1105.3	1104.4	1100.8
1137.5	12.5°	1147.4	1156.4	1154.6	1159.1	1159.9	1125.9	1105.3	1070.3	1065.8	1070.3
1187.7	15°	1189.5	1185.9	1187.7	1196.7	1159.1	1104.4	1067.6	1038.0	1039.8	1040.7
1253.2	17.5°	1239.7	1242.4	1245.1	1203.9	1134.8	1070.3	1038.0	1038.0	1029.1	1032.7
1298.9	20°	1297.1	1286.3	1263.0	1204.8	1092.7	1030.9	1021.0	1021.0	1010.2	1003.1
1348.2	22.5°	1341.9	1320.4	1285.4	1177.0	1055.1	1015.6	991.4	974.4	961.8	947.5
1402.9	25°	1370.6	1358.9	1290.8	1148.3	1027.3	975.3	939.4	913.4	897.3	878.5
1445.9	27.5°	1414.5	1392.1	1306.1	1115.1	996.8	934.9	879.4	839.0	808.6	788.8
1511.3	30°	1473.7	1441.4	1295.3	1067.6	950.2	865.0	799.6	747.6	712.6	696.5
1573.2	32.5°	1522.1	1480.0	1286.3	1024.6	898.2	794.2	707.3	654.4	634.7	614.0
1677.2	35°	1614.4	1531.1	1280.1	1000.4	851.6	723.4	632.0	586.2	561.1	530.7
1739.0	37.5°	1685.2	1619.8	1264.8	950.2	791.5	654.4	574.6	533.4	495.7	463.4
1882.4	40°	1796.4	1743.5	1265.7	879.4	720.7	595.2	529.8	486.7	439.2	411.4
2094.9	42.5°	2005.3	1865.4	1271.1	822.9	640.9	546.8	489.4	438.3	390.8	367.5
2336.9	45°	2261.6	2033.0	1237.9	771.8	559.4	501.1	441.0	389.9	359.5	342.4
2665.9	47.5°	2556.5	2197.1	1193.1	675.9	491.2	452.7	396.2	366.6	344.2	334.4
3089.9	50°	2886.4	2431.9	1180.6	588.0	438.3	411.4	374.7	352.3	337.0	325.4
3567.7	52.5°	3311.3	2705.3	1155.5	497.5	392.6	378.3	366.6	351.4	337.9	328.1
4013.2	55°	3717.4	3008.3	1128.6	423.1	360.4	362.1	368.4	355.0	343.3	328.1
4512.5	57.5°	4174.6	3317.6	1029.1	368.4	336.2	354.1	366.6	351.4	339.7	328.1
5023.4	60°	4456.9	3491.5	834.6	320.9	314.6	338.8	355.9	339.7	327.2	331.7
5258.3	62.5°	4571.7	3400.1	629.3	291.3	299.4	318.2	338.8	332.6	323.6	340.6
5255.6	65°	4376.2	3189.4	450.0	266.2	278.8	297.6	323.6	330.8	333.5	366.6
4827.1	67.5°	3894.0	2777.1	330.8	245.6	257.3	285.1	334.4	346.0	344.2	385.5
4050.9	70°	3115.9	2172.0	258.2	228.6	249.2	294.9	349.6	349.6	337.0	385.5
3089.9	72.5°	2267.0	1531.1	222.3	208.9	228.6	270.7	347.8	346.9	330.8	352.3
1967.6	75°	1372.4	891.0	196.3	189.1	196.3	232.2	332.6	327.2	304.8	303.0
946.6	77.5°	684.0	448.2	160.5	167.6	171.2	194.5	292.2	300.3	269.8	262.6
373.8	80°	288.6	195.4	133.6	144.3	144.3	164.0	242.9	248.3	224.1	210.7
147.9	82.5°	131.8	112.1	113.8	125.5	117.4	127.3	192.7	199.0	182.0	159.6
62.7	85°	55.6	63.6	87.0	98.6	87.0	82.5	132.7	139.8	118.3	98.6
26.9	87.5°	25.1	35.0	54.7	71.7	43.9	38.5	70.8	73.5	59.2	43.9
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>
1028.2
1027.3
1064.9
1102.6
1100.8
1072.1
1053.3
1033.6
992.3
939.4
882.1
797.8
705.5
613.1
528.0
464.3
414.1
369.3
346.0
332.6
327.2
327.2
327.2
327.2
328.1
336.2
366.6
388.1
377.4
339.7
299.4
258.2
206.2
156.0
99.5
41.2
0.0

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