

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: P853448

Luminaire Tested: **CRTK-N-50-727-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-727-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

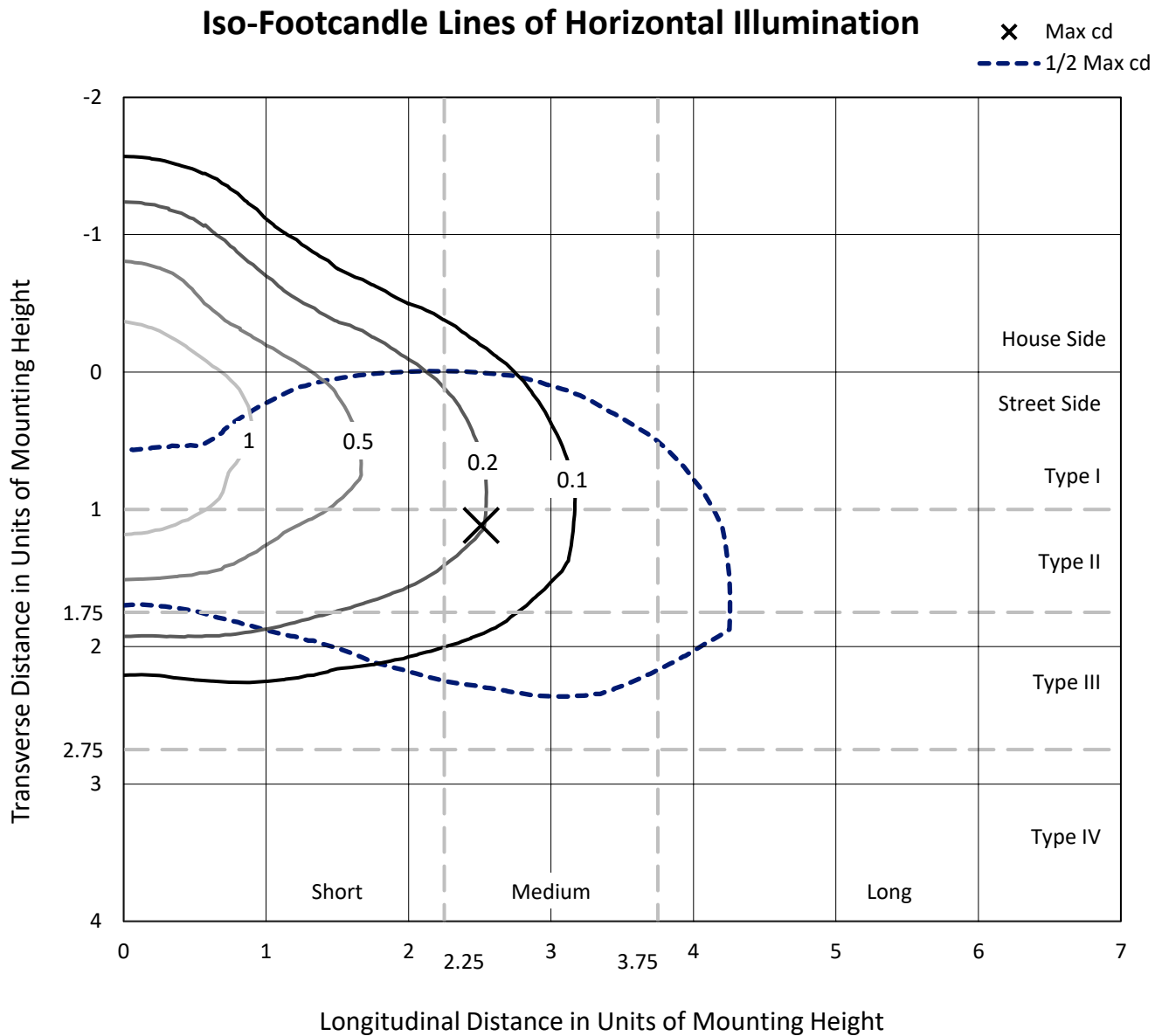
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5825 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

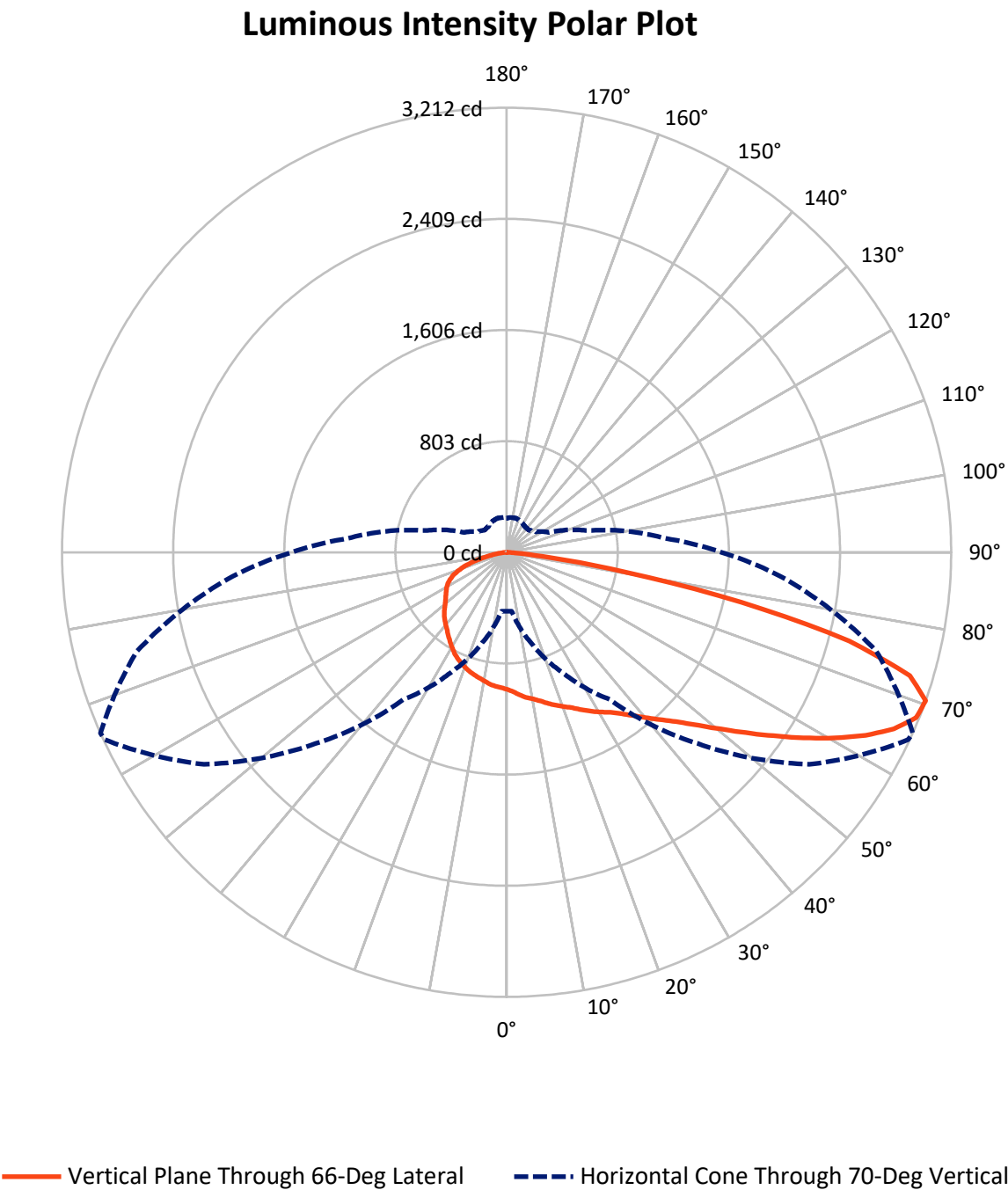


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Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Medium - N/A

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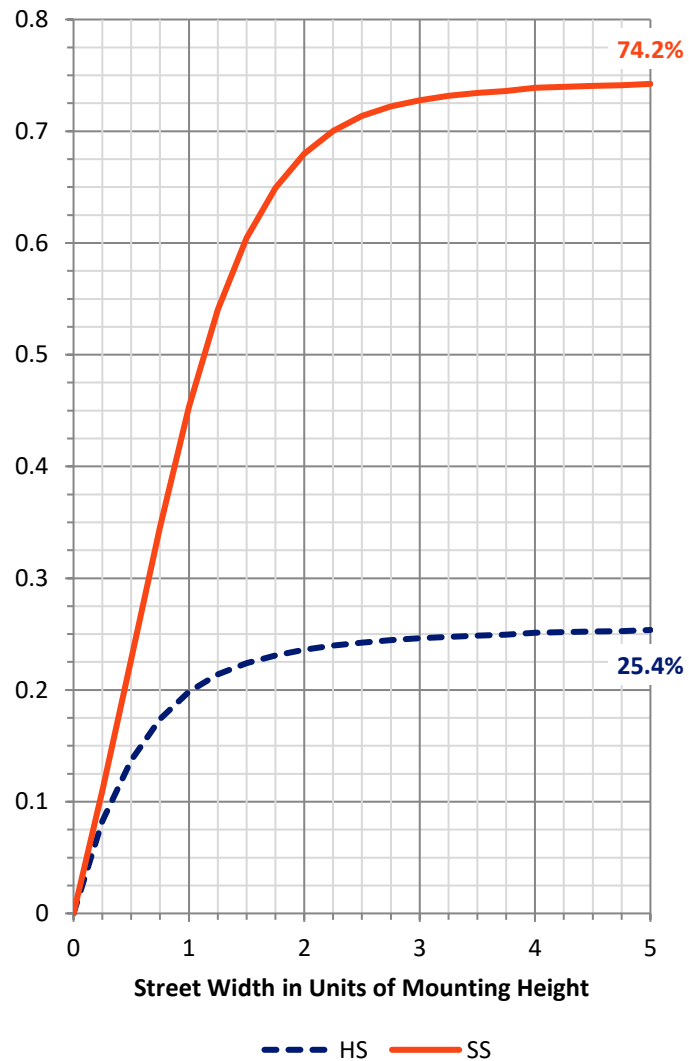
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1493.2	0.0	1493.2
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4331.8	0.0	4331.8
	% Fixture	74.4	0.0	74.4
Total	Lumens	5825.0	0.0	5825.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	1.6
10°-20°	285.1	4.9
20°-30°	482.1	8.3
30°-40°	732.1	12.6
40°-50°	998.5	17.1
50°-60°	1187.4	20.4
60°-70°	1215.5	20.9
70°-80°	748.5	12.8
80°-90°	80.5	1.4
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°	5825.0	100.0
0°-180°	5825.0	100.0

Coefficient of Utilization



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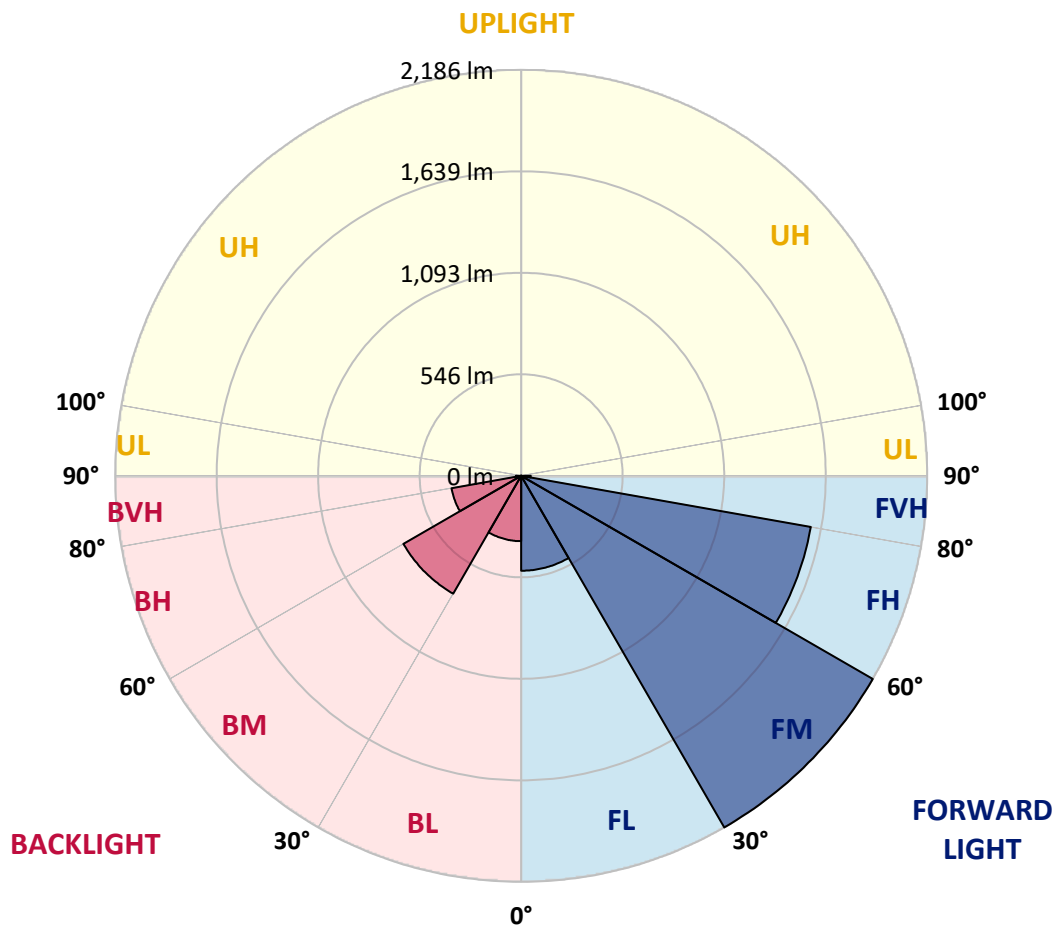
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	510.8	8.8			
FM	(30°-60°)	2185.7	37.5			
FH	(60°-80°)	1583.3	27.2			G1/1800
FVH	(80°-90°)	52.0	0.9			G1/100
BL	(0°-30°)	351.7	6.0	B1/500		
BM	(30°-60°)	732.4	12.6	B1/1000		
BH	(60°-80°)	380.6	6.5	B1/500		G1/500
BVH	(80°-90°)	28.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8
2.5°	1016.9	1020.1	1026.6	1021.7	1025.0	1016.9	1010.4	1012.0	1010.4	1003.8	987.6
5°	1057.5	1059.2	1068.9	1062.4	1060.8	1054.3	1041.3	1036.4	1036.4	1023.4	999.0
7.5°	1093.3	1095.0	1104.7	1095.0	1095.0	1083.6	1070.6	1060.8	1060.8	1039.6	1008.7
10°	1116.1	1117.7	1125.9	1122.6	1124.2	1109.6	1093.3	1080.3	1078.7	1055.9	1015.2
12.5°	1142.1	1143.8	1155.2	1150.3	1151.9	1142.1	1124.2	1104.7	1103.1	1075.4	1025.0
15°	1164.9	1166.5	1176.3	1176.3	1182.8	1171.4	1156.8	1137.3	1134.0	1098.2	1038.0
17.5°	1179.6	1181.2	1195.8	1199.1	1208.8	1202.3	1189.3	1166.5	1161.7	1121.0	1051.0
20°	1195.8	1199.1	1212.1	1215.4	1230.0	1230.0	1218.6	1194.2	1189.3	1142.1	1064.0
22.5°	1228.4	1234.9	1243.0	1241.4	1254.4	1256.0	1247.9	1226.7	1220.2	1169.8	1080.3
25°	1314.6	1324.4	1324.4	1301.6	1298.3	1290.2	1282.1	1265.8	1259.3	1205.6	1101.5
27.5°	1465.9	1464.3	1454.5	1407.3	1365.0	1335.8	1324.4	1306.5	1300.0	1238.1	1122.6
30°	1627.0	1625.4	1612.3	1542.4	1461.0	1386.2	1366.7	1347.1	1339.0	1269.0	1142.1
32.5°	1781.5	1779.9	1771.8	1690.4	1571.7	1452.9	1420.4	1391.1	1378.1	1306.5	1169.8
35°	1908.5	1908.5	1901.9	1819.0	1670.9	1537.5	1482.2	1443.1	1431.7	1355.3	1212.1
37.5°	2024.0	2025.6	2020.7	1929.6	1760.4	1618.8	1557.0	1513.1	1498.5	1415.5	1257.7
40°	2185.0	2173.6	2167.1	2041.9	1845.0	1693.7	1636.7	1591.2	1573.3	1474.0	1296.7
42.5°	2308.7	2323.3	2269.6	2141.1	1929.6	1763.6	1718.1	1674.2	1654.6	1540.8	1347.1
45°	2355.9	2346.1	2307.1	2198.1	2061.4	1833.6	1802.7	1770.2	1749.0	1625.4	1412.2
47.5°	2375.4	2355.9	2305.4	2230.6	2186.7	1921.5	1897.1	1888.9	1866.1	1726.2	1487.1
50°	2328.2	2308.7	2289.2	2248.5	2230.6	1999.6	1999.6	2030.5	2006.1	1840.1	1570.0
52.5°	2204.6	2199.7	2219.2	2240.4	2186.7	2053.3	2120.0	2186.7	2163.9	1967.0	1659.5
55°	1976.8	1983.3	2090.7	2178.5	2154.1	2098.8	2250.1	2364.0	2339.6	2108.6	1747.4
57.5°	1784.8	1781.5	1874.3	2082.5	2111.8	2157.4	2394.9	2556.0	2528.3	2258.3	1835.2
60°	1563.5	1563.5	1670.9	1921.5	2056.5	2212.7	2543.0	2751.2	2723.6	2414.4	1926.3
62.5°	1273.9	1269.0	1456.1	1706.7	1958.9	2243.6	2671.5	2933.5	2910.7	2560.9	1994.7
65°	964.8	961.5	1210.5	1501.7	1809.2	2225.7	2761.0	3084.8	3073.4	2686.1	2043.5
67.5°	634.5	637.8	933.9	1259.3	1594.4	2139.5	2774.0	3195.4	3190.5	2764.2	2050.0
70°	424.6	426.3	675.2	959.9	1296.7	1954.0	2669.9	3201.9	3211.7	2765.9	1986.5
72.5°	304.2	307.5	471.8	680.1	904.6	1615.6	2442.1	3013.2	3045.7	2603.2	1779.9
75°	211.5	214.8	309.1	424.6	540.2	1090.1	1975.2	2499.0	2557.6	2194.8	1443.1
77.5°	143.2	141.5	172.5	276.6	322.1	590.6	1236.5	1664.4	1732.7	1477.3	1020.1
80°	109.0	107.4	113.9	151.3	162.7	250.6	535.3	802.1	870.4	681.7	471.8
82.5°	73.2	70.0	73.2	86.2	83.0	105.8	149.7	271.7	312.4	312.4	208.3
85°	34.2	34.2	39.0	40.7	34.2	42.3	43.9	52.1	60.2	61.8	45.6
87.5°	3.3	3.3	4.9	4.9	3.3	4.9	4.9	4.9	4.9	4.9	4.9
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8
2.5°	984.3	982.7	982.7	979.4	972.9	964.8	956.7	951.8	948.5	950.2	951.8
5°	994.1	989.2	979.4	971.3	958.3	942.0	932.3	922.5	917.6	920.9	924.1
7.5°	1000.6	992.5	974.6	959.9	938.8	920.9	906.2	894.8	886.7	888.3	888.3
10°	1002.2	987.6	964.8	942.0	914.4	891.6	873.7	860.7	854.2	852.5	854.2
12.5°	1008.7	989.2	955.0	927.4	893.2	865.6	846.0	831.4	823.3	824.9	824.9
15°	1015.2	990.8	950.2	912.7	873.7	844.4	821.6	807.0	798.8	800.5	798.8
17.5°	1021.7	992.5	943.7	898.1	852.5	820.0	797.2	782.6	774.4	779.3	779.3
20°	1028.3	994.1	932.3	880.2	829.8	795.6	774.4	758.2	750.0	758.2	758.2
22.5°	1036.4	995.7	920.9	860.7	805.4	772.8	750.0	737.0	732.1	738.7	740.3
25°	1049.4	997.3	911.1	839.5	781.0	746.8	728.9	722.4	720.8	730.5	733.8
27.5°	1060.8	1003.8	898.1	815.1	753.3	720.8	709.4	709.4	714.2	727.3	732.1
30°	1072.2	1003.8	883.5	785.8	720.8	689.8	688.2	698.0	706.1	719.1	725.6
32.5°	1090.1	1008.7	865.6	756.5	686.6	660.6	670.3	685.0	696.3	709.4	714.2
35°	1121.0	1026.6	854.2	725.6	649.2	634.5	654.0	676.8	683.3	694.7	699.6
37.5°	1155.2	1052.7	849.3	696.3	616.6	610.1	639.4	663.8	667.1	671.9	676.8
40°	1179.6	1064.0	841.2	670.3	585.7	585.7	618.3	641.0	636.2	639.4	642.7
42.5°	1208.8	1068.9	823.3	647.5	559.7	559.7	589.0	608.5	602.0	608.5	613.4
45°	1249.5	1080.3	798.8	624.8	536.9	530.4	551.5	567.8	582.5	606.9	611.7
47.5°	1300.0	1104.7	777.7	595.5	515.8	494.6	507.6	535.3	554.8	580.8	585.7
50°	1355.3	1127.5	761.4	564.6	493.0	457.2	463.7	494.6	506.0	522.3	523.9
52.5°	1410.6	1148.7	746.8	538.5	466.9	413.3	424.6	455.6	462.1	471.8	471.8
55°	1465.9	1168.2	730.5	517.4	436.0	374.2	387.2	418.1	423.0	432.8	434.4
57.5°	1522.9	1189.3	720.8	497.9	400.2	346.5	356.3	384.0	392.1	400.2	400.2
60°	1570.0	1205.6	714.2	478.3	367.7	318.9	325.4	349.8	359.6	364.4	366.1
62.5°	1602.6	1213.7	707.7	455.6	338.4	292.9	297.7	322.1	333.5	336.8	336.8
65°	1620.5	1213.7	694.7	423.0	310.8	268.5	270.1	294.5	307.5	315.6	317.3
67.5°	1610.7	1200.7	662.2	387.2	284.7	247.3	248.9	270.1	283.1	291.2	291.2
70°	1553.8	1151.9	606.9	340.0	258.7	226.2	227.8	245.7	255.4	252.2	245.7
72.5°	1389.4	1029.9	517.4	289.6	232.7	206.6	208.3	222.9	216.4	213.1	214.8
75°	1130.8	815.1	388.8	224.5	195.2	182.2	187.1	192.0	185.5	188.7	187.1
77.5°	774.4	528.8	266.8	162.7	156.2	152.9	162.7	162.7	157.8	162.7	157.8
80°	349.8	247.3	151.3	105.8	109.0	110.6	122.0	122.0	128.5	133.4	131.8
82.5°	152.9	123.7	81.3	61.8	66.7	73.2	83.0	91.1	102.5	107.4	105.8
85°	39.0	32.5	32.5	29.3	39.0	39.0	47.2	53.7	55.3	55.3	55.3
87.5°	4.9	4.9	6.5	6.5	9.8	8.1	11.4	9.8	9.8	13.0	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)