

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: P853457

Luminaire Tested: **CRTK-N-50-730-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853457
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-50-730-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6036 lumens
Efficiency: N/A
Efficacy: 126.5 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

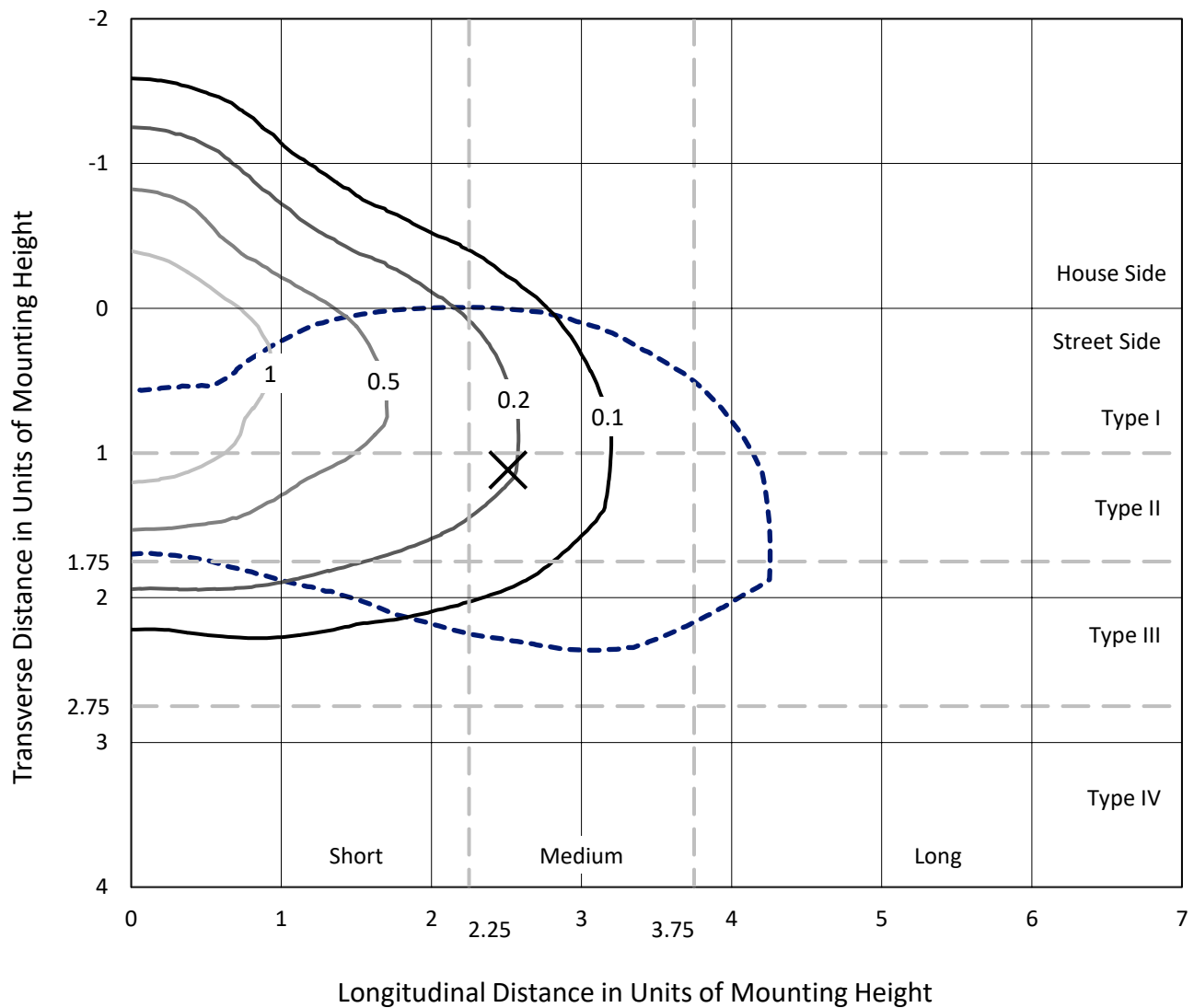


REPORT NUMBER: P853457

CATALOG NUMBER: CRTK-N-50-730-U-T3

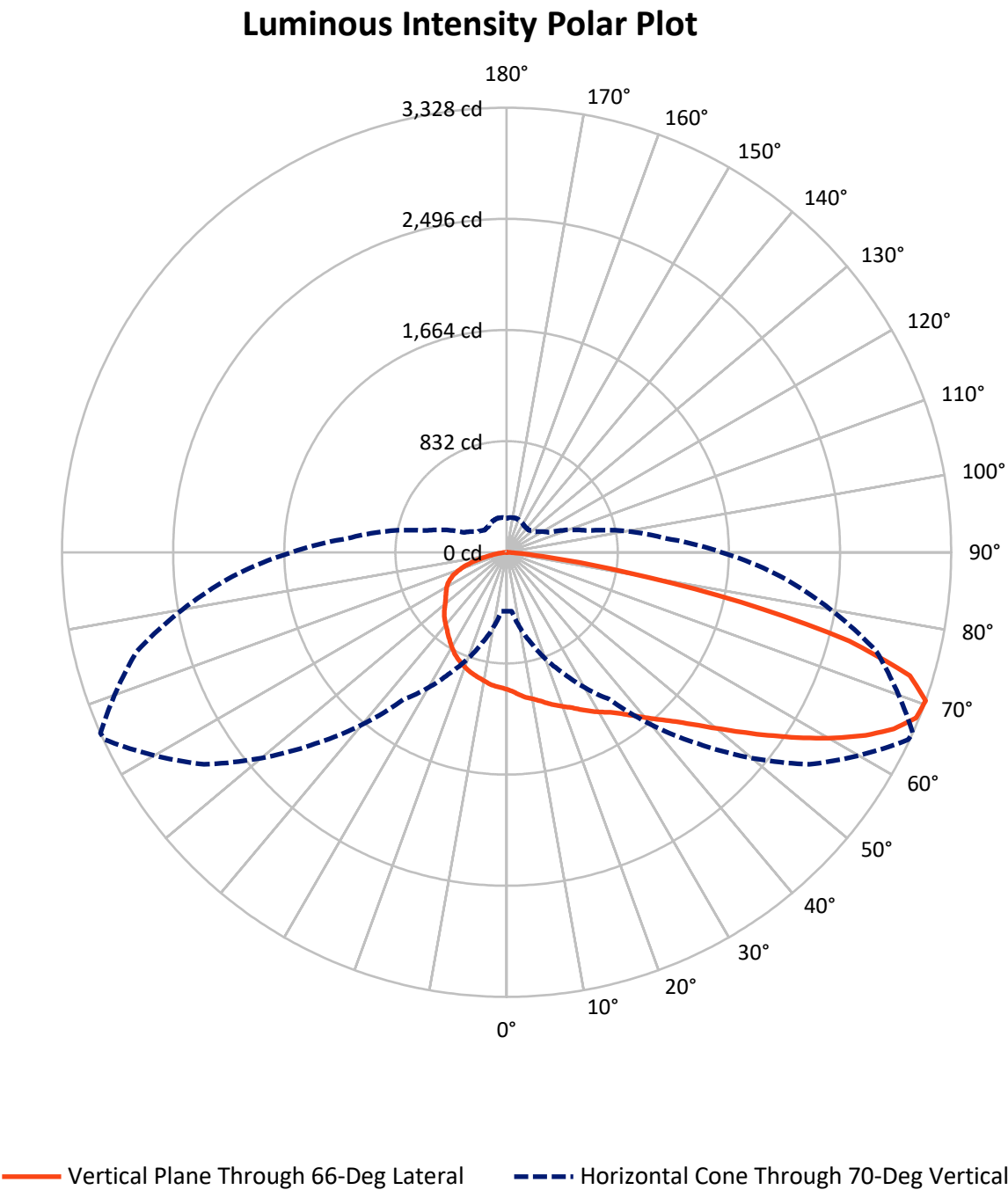
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Medium - N/A

REPORT NUMBER: P853457
CATALOG NUMBER: CRTK-N-50-730-U-T3



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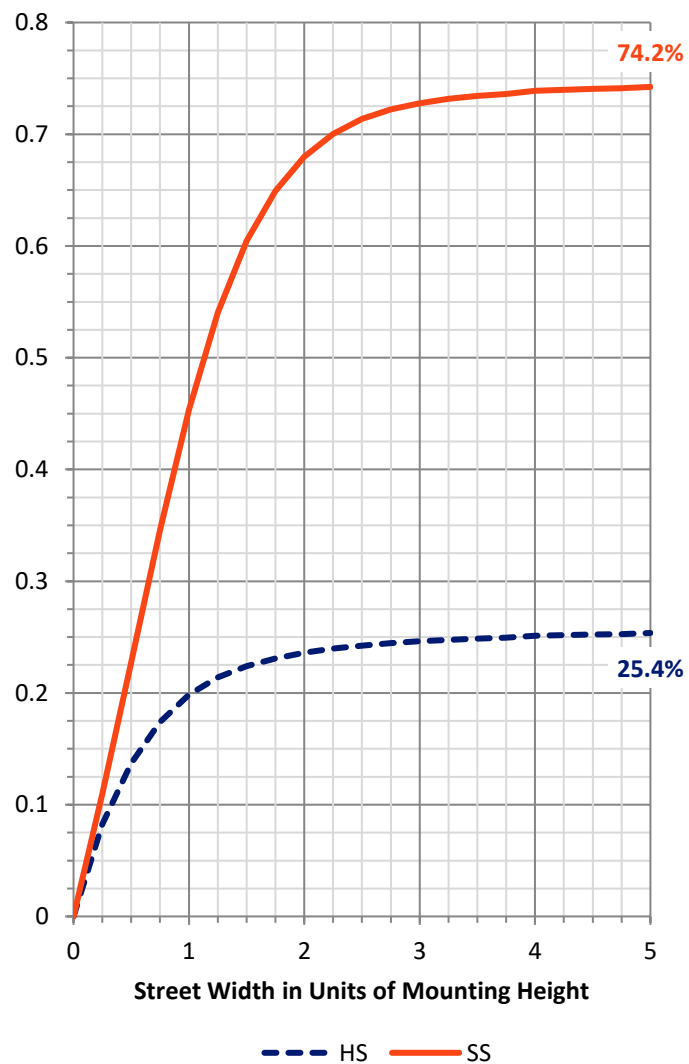
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1547.3	0.0	1547.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4488.7	0.0	4488.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	6036.0	0.0	6036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	1.6
10°-20°	295.4	4.9
20°-30°	499.6	8.3
30°-40°	758.6	12.6
40°-50°	1034.7	17.1
50°-60°	1230.4	20.4
60°-70°	1259.5	20.9
70°-80°	775.6	12.8
80°-90°	83.4	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°	6036.0	100.0
0°-180°	6036.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853457

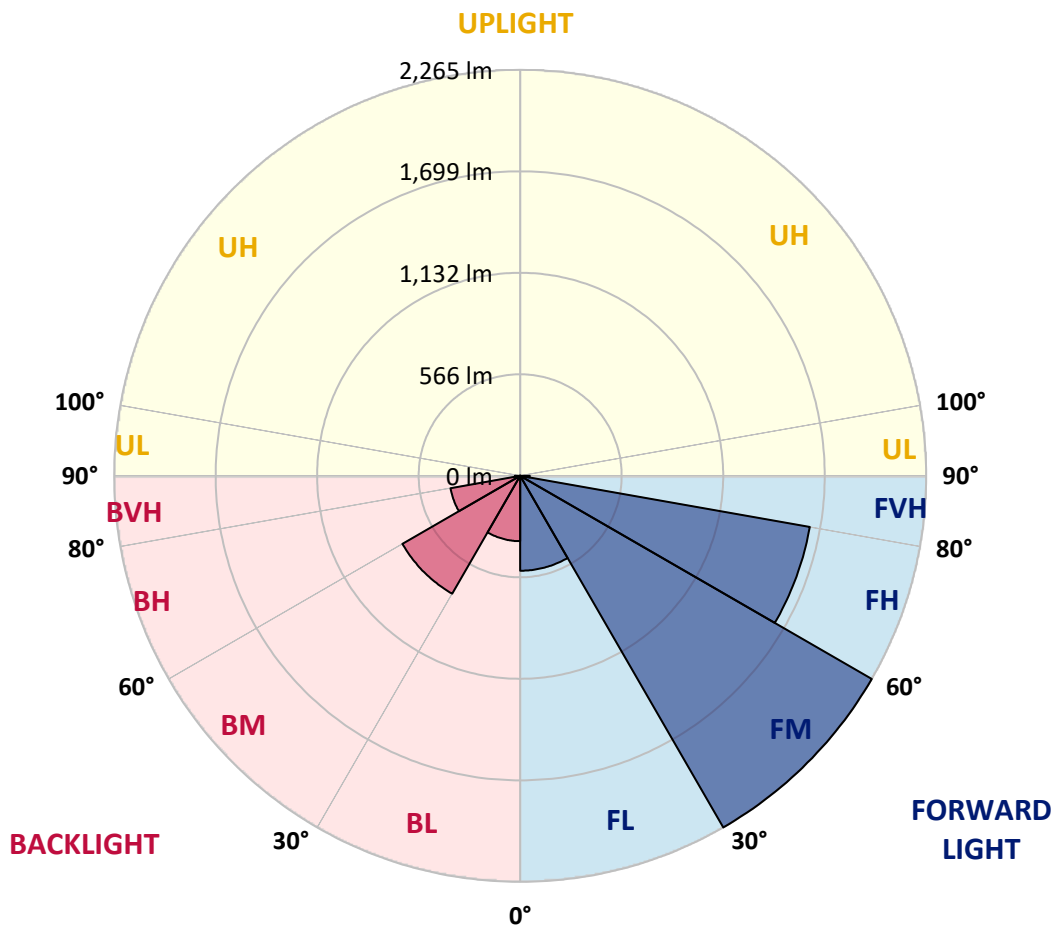
CATALOG NUMBER: CRTK-N-50-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.3	8.8			
FM	(30°-60°)	2264.8	37.5			
FH	(60°-80°)	1640.7	27.2			G1/1800
FVH	(80°-90°)	53.9	0.9			G1/100
BL	(0°-30°)	364.4	6.0	B1/500		
BM	(30°-60°)	758.9	12.6	B1/1000		
BH	(60°-80°)	394.4	6.5	B1/500		G1/500
BVH	(80°-90°)	29.6	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



REPORT NUMBER: P853457

CATALOG NUMBER: CRTK-N-50-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7
2.5°	1053.7	1057.1	1063.8	1058.8	1062.1	1053.7	1047.0	1048.6	1047.0	1040.2	1023.4
5°	1095.8	1097.5	1107.6	1100.9	1099.2	1092.5	1079.0	1073.9	1073.9	1060.4	1035.2
7.5°	1132.9	1134.6	1144.7	1134.6	1134.6	1122.8	1109.3	1099.2	1099.2	1077.3	1045.3
10°	1156.5	1158.2	1166.7	1163.3	1165.0	1149.8	1132.9	1119.4	1117.8	1094.2	1052.0
12.5°	1183.5	1185.2	1197.0	1191.9	1193.6	1183.5	1165.0	1144.7	1143.1	1114.4	1062.1
15°	1207.1	1208.8	1218.9	1218.9	1225.7	1213.9	1198.7	1178.5	1175.1	1138.0	1075.6
17.5°	1222.3	1224.0	1239.1	1242.5	1252.6	1245.9	1232.4	1208.8	1203.7	1161.6	1089.1
20°	1239.1	1242.5	1256.0	1259.4	1274.6	1274.6	1262.8	1237.5	1232.4	1183.5	1102.6
22.5°	1272.9	1279.6	1288.0	1286.4	1299.8	1301.5	1293.1	1271.2	1264.4	1212.2	1119.4
25°	1362.2	1372.3	1372.3	1348.7	1345.4	1336.9	1328.5	1311.6	1304.9	1249.3	1141.4
27.5°	1519.0	1517.3	1507.2	1458.3	1414.5	1384.1	1372.3	1353.8	1347.0	1283.0	1163.3
30°	1685.9	1684.2	1670.7	1598.2	1514.0	1436.4	1416.2	1395.9	1387.5	1315.0	1183.5
32.5°	1846.1	1844.4	1836.0	1751.7	1628.6	1505.5	1471.8	1441.5	1428.0	1353.8	1212.2
35°	1977.6	1977.6	1970.8	1884.9	1731.4	1593.2	1535.9	1495.4	1483.6	1404.4	1256.0
37.5°	2097.3	2099.0	2093.9	1999.5	1824.2	1677.5	1613.4	1567.9	1552.7	1466.7	1303.2
40°	2264.2	2252.4	2245.6	2115.8	1911.8	1755.0	1696.0	1648.8	1630.3	1527.4	1343.7
42.5°	2392.3	2407.5	2351.9	2218.7	1999.5	1827.5	1780.3	1734.8	1714.6	1596.6	1395.9
45°	2441.2	2431.1	2390.6	2277.7	2136.1	1900.0	1868.0	1834.3	1812.4	1684.2	1463.4
47.5°	2461.4	2441.2	2388.9	2311.4	2265.9	1991.1	1965.8	1957.4	1933.7	1788.8	1540.9
50°	2412.5	2392.3	2372.1	2329.9	2311.4	2072.0	2072.0	2104.0	2078.7	1906.8	1626.9
52.5°	2284.4	2279.4	2299.6	2321.5	2265.9	2127.6	2196.8	2265.9	2242.3	2038.3	1719.6
55°	2048.4	2055.1	2166.4	2257.4	2232.2	2174.8	2331.6	2449.6	2424.3	2184.9	1810.7
57.5°	1849.5	1846.1	1942.2	2158.0	2188.3	2235.5	2481.7	2648.6	2619.9	2340.1	1901.7
60°	1620.2	1620.2	1731.4	1991.1	2131.0	2292.8	2635.1	2850.9	2822.2	2501.9	1996.1
62.5°	1320.1	1315.0	1508.9	1768.5	2029.8	2324.9	2768.3	3039.7	3016.1	2653.6	2066.9
65°	999.7	996.4	1254.3	1556.1	1874.7	2306.3	2861.0	3196.5	3184.7	2783.5	2117.5
67.5°	657.5	660.9	967.7	1304.9	1652.2	2217.0	2874.5	3311.1	3306.1	2864.4	2124.3
70°	440.0	441.7	699.7	994.7	1343.7	2024.8	2766.6	3317.9	3328.0	2866.1	2058.5
72.5°	315.3	318.6	488.9	704.7	937.4	1674.1	2530.6	3122.3	3156.0	2697.5	1844.4
75°	219.2	222.5	320.3	440.0	559.7	1129.6	2046.7	2589.6	2650.3	2274.3	1495.4
77.5°	148.4	146.7	178.7	286.6	333.8	612.0	1281.3	1724.7	1795.5	1530.8	1057.1
80°	113.0	111.3	118.0	156.8	168.6	259.6	554.7	831.2	902.0	706.4	488.9
82.5°	75.9	72.5	75.9	89.4	86.0	109.6	155.1	281.5	323.7	323.7	215.8
85°	35.4	35.4	40.5	42.1	35.4	43.8	45.5	53.9	62.4	64.1	47.2
87.5°	3.4	3.4	5.1	5.1	3.4	5.1	5.1	5.1	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853457

CATALOG NUMBER: CRTK-N-50-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7	1026.7
2.5°	1020.0	1018.3	1018.3	1014.9	1008.2	999.7	991.3	986.3	982.9	984.6	986.3
5°	1030.1	1025.0	1014.9	1006.5	993.0	976.1	966.0	955.9	950.9	954.2	957.6
7.5°	1036.8	1028.4	1009.9	994.7	972.8	954.2	939.1	927.3	918.8	920.5	920.5
10°	1038.5	1023.4	999.7	976.1	947.5	923.9	905.3	891.9	885.1	883.4	885.1
12.5°	1045.3	1025.0	989.6	961.0	925.6	896.9	876.7	861.5	853.1	854.8	854.8
15°	1052.0	1026.7	984.6	945.8	905.3	875.0	851.4	836.2	827.8	829.5	827.8
17.5°	1058.8	1028.4	977.8	930.6	883.4	849.7	826.1	810.9	802.5	807.6	807.6
20°	1065.5	1030.1	966.0	912.1	859.8	824.4	802.5	785.6	777.2	785.6	785.6
22.5°	1073.9	1031.8	954.2	891.9	834.5	800.8	777.2	763.7	758.7	765.4	767.1
25°	1087.4	1033.5	944.1	869.9	809.2	773.8	755.3	748.5	746.9	757.0	760.3
27.5°	1099.2	1040.2	930.6	844.6	780.6	746.9	735.1	735.1	740.1	753.6	758.7
30°	1111.0	1040.2	915.5	814.3	746.9	714.8	713.1	723.3	731.7	745.2	751.9
32.5°	1129.6	1045.3	896.9	784.0	711.5	684.5	694.6	709.8	721.6	735.1	740.1
35°	1161.6	1063.8	885.1	751.9	672.7	657.5	677.7	701.3	708.1	719.9	724.9
37.5°	1197.0	1090.8	880.0	721.6	639.0	632.2	662.6	687.9	691.2	696.3	701.3
40°	1222.3	1102.6	871.6	694.6	606.9	606.9	640.6	664.3	659.2	662.6	665.9
42.5°	1252.6	1107.6	853.1	671.0	580.0	580.0	610.3	630.5	623.8	630.5	635.6
45°	1294.8	1119.4	827.8	647.4	556.4	549.6	571.5	588.4	603.6	628.8	633.9
47.5°	1347.0	1144.7	805.9	617.0	534.4	512.5	526.0	554.7	574.9	601.9	606.9
50°	1404.4	1168.3	789.0	585.0	510.8	473.7	480.5	512.5	524.3	541.2	542.9
52.5°	1461.7	1190.3	773.8	558.0	483.9	428.2	440.0	472.1	478.8	488.9	488.9
55°	1519.0	1210.5	757.0	536.1	451.8	387.8	401.2	433.3	438.3	448.5	450.1
57.5°	1578.0	1232.4	746.9	515.9	414.7	359.1	369.2	397.9	406.3	414.7	414.7
60°	1626.9	1249.3	740.1	495.7	381.0	330.4	337.2	362.5	372.6	377.6	379.3
62.5°	1660.6	1257.7	733.4	472.1	350.7	303.5	308.5	333.8	345.6	349.0	349.0
65°	1679.2	1257.7	719.9	438.3	322.0	278.2	279.9	305.2	318.6	327.1	328.8
67.5°	1669.1	1244.2	686.2	401.2	295.0	256.3	257.9	279.9	293.3	301.8	301.8
70°	1610.1	1193.6	628.8	352.4	268.1	234.3	236.0	254.6	264.7	261.3	254.6
72.5°	1439.8	1067.2	536.1	300.1	241.1	214.1	215.8	231.0	224.2	220.9	222.5
75°	1171.7	844.6	402.9	232.7	202.3	188.8	193.9	198.9	192.2	195.6	193.9
77.5°	802.5	547.9	276.5	168.6	161.8	158.5	168.6	168.6	163.5	168.6	163.5
80°	362.5	256.3	156.8	109.6	113.0	114.6	126.4	126.4	133.2	138.2	136.6
82.5°	158.5	128.1	84.3	64.1	69.1	75.9	86.0	94.4	106.2	111.3	109.6
85°	40.5	33.7	33.7	30.3	40.5	40.5	48.9	55.6	57.3	57.3	57.3
87.5°	5.1	5.1	6.7	6.7	10.1	8.4	11.8	10.1	10.1	13.5	15.2
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)