

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: P853409

Luminaire Tested: **CRTK-N-40-740-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-740-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

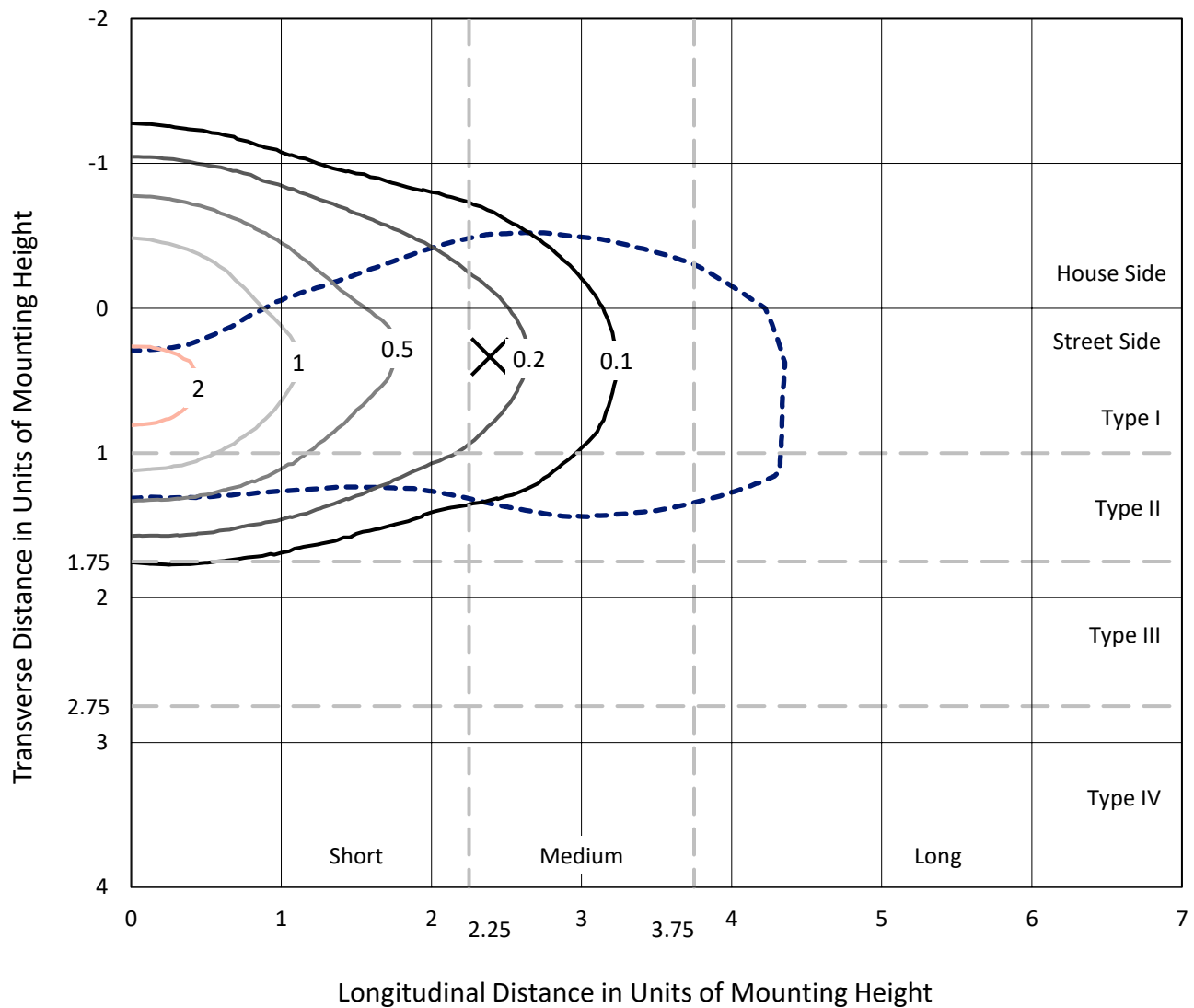


REPORT NUMBER: P853409

CATALOG NUMBER: CRTK-N-40-740-U-T2R

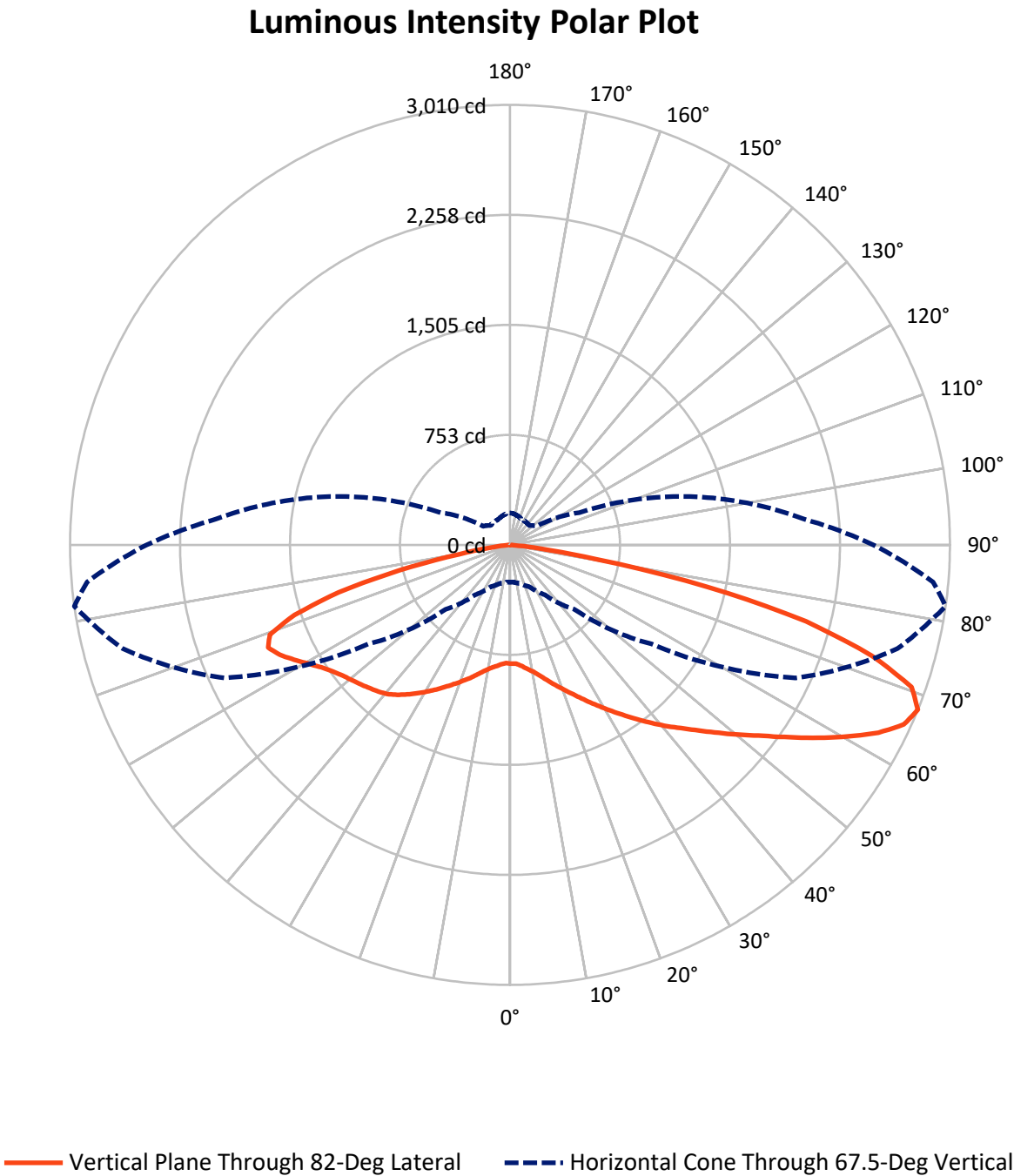
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type II - Medium - N/A

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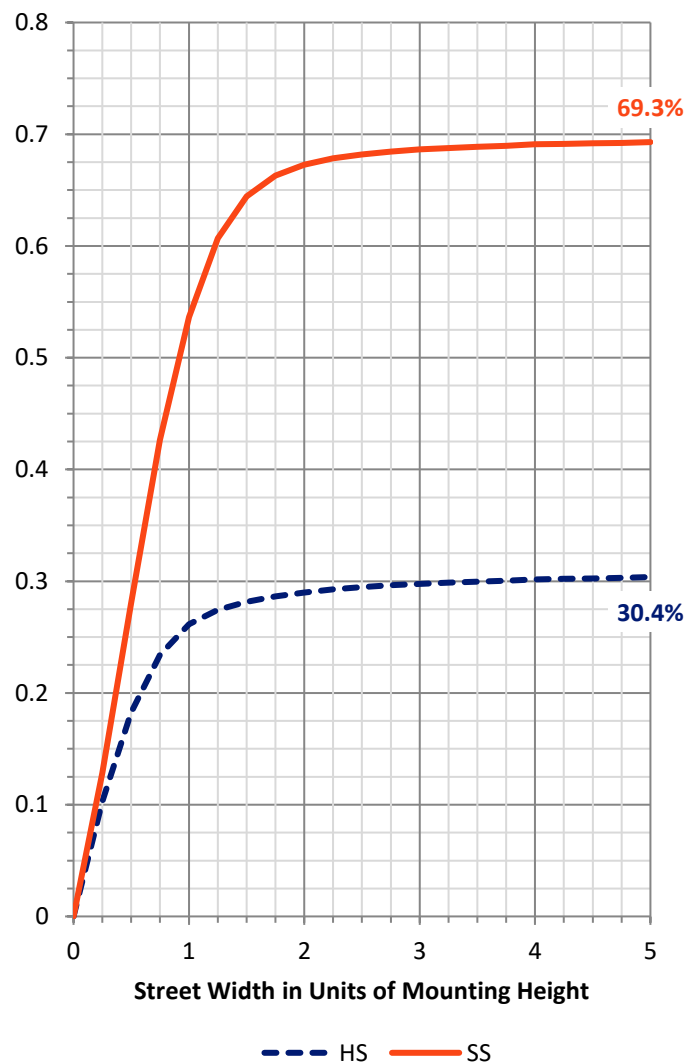
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1778.9	0.0	1778.9
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	4025.1	0.0	4025.1
	% Fixture	69.4	0.0	69.4
Total	Lumens	5804.0	0.0	5804.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.4
10°-20°	302.7	5.2
20°-30°	608.7	10.5
30°-40°	959.5	16.5
40°-50°	1175.7	20.3
50°-60°	1119.4	19.3
60°-70°	939.2	16.2
70°-80°	556.0	9.6
80°-90°	58.7	1.0
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°	5804.0	100.0
0°-180°	5804.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853409

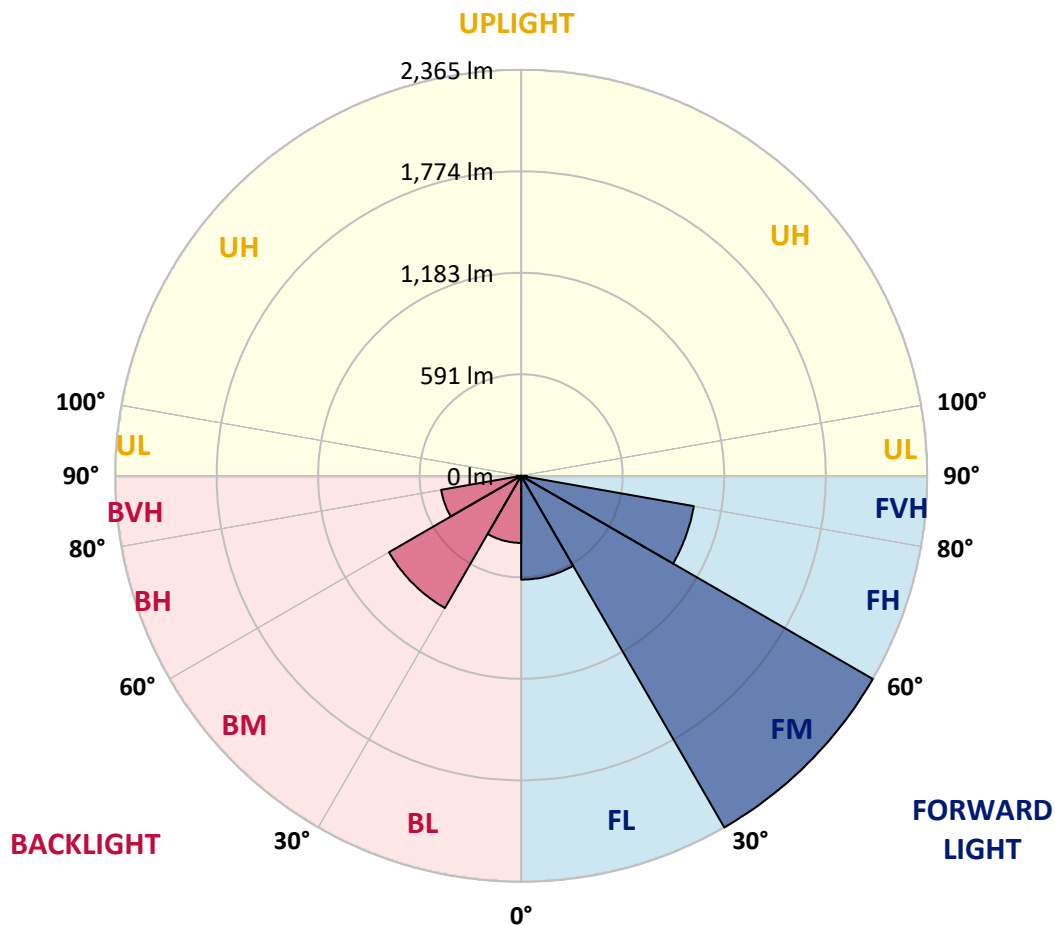
CATALOG NUMBER: CRTK-N-40-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	604.8	10.4			
FM	(30°-60°)	2365.3	40.8			
FH	(60°-80°)	1021.7	17.6			G1/1800
FVH	(80°-90°)	33.3	0.6			G1/100
BL	(0°-30°)	390.7	6.7	B1/500		
BM	(30°-60°)	889.3	15.3	B1/1000		
BH	(60°-80°)	473.5	8.2	B1/500		G1/500
BVH	(80°-90°)	25.4	0.4			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 II Medium



REPORT NUMBER: P853409

CATALOG NUMBER: CRTK-N-40-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3
2.5°	849.4	851.0	854.3	851.0	849.4	843.0	836.5	833.3	826.8	813.9	810.7
5°	928.5	930.2	933.4	920.5	914.0	896.2	880.1	865.6	849.4	831.7	828.4
7.5°	1025.4	1031.9	1027.1	1007.7	988.3	962.5	935.0	909.2	880.1	857.5	851.0
10°	1133.6	1143.3	1133.6	1104.6	1078.7	1036.7	994.8	956.0	914.0	883.3	875.3
12.5°	1261.2	1262.8	1258.0	1217.6	1182.1	1123.9	1065.8	1014.1	959.2	918.9	907.6
15°	1400.1	1411.4	1395.2	1345.2	1295.1	1220.8	1146.5	1080.3	1012.5	962.5	949.5
17.5°	1550.3	1555.1	1542.2	1480.8	1417.8	1324.2	1232.1	1149.8	1067.4	1009.3	993.1
20°	1706.9	1710.1	1694.0	1613.2	1543.8	1432.4	1322.6	1222.4	1125.6	1057.7	1036.7
22.5°	1868.4	1873.2	1844.2	1760.2	1674.6	1548.6	1419.5	1296.7	1190.2	1111.0	1085.2
25°	2062.2	2062.2	2025.0	1924.9	1821.6	1677.8	1530.9	1387.2	1261.2	1170.8	1138.5
27.5°	2260.8	2251.1	2218.8	2104.2	1979.8	1815.1	1650.4	1490.5	1341.9	1235.4	1198.2
30°	2440.1	2438.4	2399.7	2275.3	2133.2	1950.7	1768.3	1595.5	1427.5	1304.8	1262.8
32.5°	2570.9	2572.5	2536.9	2422.3	2272.1	2083.2	1886.2	1698.8	1511.5	1377.5	1333.9
35°	2666.1	2666.1	2637.1	2535.3	2393.2	2209.1	2008.9	1808.6	1603.6	1456.6	1409.8
37.5°	2696.8	2690.4	2677.4	2599.9	2477.2	2315.7	2130.0	1924.9	1700.4	1539.0	1482.4
40°	2650.0	2637.1	2650.0	2603.2	2514.3	2391.6	2235.0	2042.8	1802.2	1626.2	1558.3
42.5°	2549.9	2532.1	2557.9	2535.3	2496.6	2430.4	2314.1	2154.2	1908.8	1713.4	1634.2
45°	2419.1	2394.8	2425.5	2420.7	2414.2	2419.1	2360.9	2252.7	2025.0	1810.3	1721.4
47.5°	2226.9	2191.4	2256.0	2281.8	2304.4	2356.1	2365.8	2331.9	2147.8	1921.7	1816.7
50°	1915.2	1887.8	2000.8	2096.1	2167.1	2254.3	2323.8	2377.1	2272.1	2041.2	1921.7
52.5°	1516.4	1487.3	1640.7	1836.1	1994.4	2130.0	2236.6	2386.8	2391.6	2168.8	2041.2
55°	1102.9	1112.6	1254.7	1488.9	1758.6	1986.3	2126.8	2362.5	2501.4	2322.2	2186.5
57.5°	783.2	791.3	914.0	1109.4	1453.4	1800.6	2023.4	2307.6	2606.4	2490.1	2354.5
60°	534.5	558.7	649.2	797.7	1109.4	1545.4	1918.5	2241.4	2685.5	2659.7	2532.1
62.5°	392.4	405.3	461.8	573.3	791.3	1222.4	1761.8	2194.6	2737.2	2829.2	2685.5
65°	305.2	311.7	344.0	418.2	566.8	889.8	1511.5	2184.9	2756.6	2961.7	2840.5
67.5°	255.1	255.1	272.9	316.5	416.6	623.3	1182.1	2154.2	2743.6	3010.1	2905.1
70°	214.8	213.2	227.7	255.1	313.3	444.1	833.3	2008.9	2674.2	2914.8	2824.4
72.5°	174.4	174.4	193.8	211.5	245.5	323.0	545.8	1697.2	2464.3	2587.0	2520.8
75°	140.5	138.9	153.4	177.6	193.8	235.8	342.4	1235.4	2099.3	2091.2	2020.2
77.5°	108.2	106.6	119.5	145.3	156.6	174.4	222.9	744.4	1456.6	1383.9	1388.8
80°	82.4	79.1	87.2	106.6	109.8	113.0	124.3	303.6	654.0	597.5	595.9
82.5°	51.7	51.7	54.9	67.8	64.6	66.2	56.5	101.7	230.9	197.0	203.5
85°	19.4	19.4	24.2	29.1	25.8	24.2	17.8	22.6	35.5	27.5	25.8
87.5°	1.6	1.6	1.6	3.2	3.2	3.2	1.6	1.6	1.6	1.6	3.2
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: P853409

CATALOG NUMBER: CRTK-N-40-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3
2.5°	809.0	809.0	809.0	810.7	805.8	802.6	797.7	794.5	794.5	796.1	799.4
5°	823.6	822.0	820.3	820.3	815.5	812.3	809.0	805.8	805.8	809.0	809.0
7.5°	843.0	839.7	834.9	834.9	831.7	828.4	826.8	823.6	825.2	826.8	828.4
10°	863.9	859.1	854.3	854.3	851.0	847.8	847.8	843.0	844.6	846.2	847.8
12.5°	893.0	888.2	878.5	881.7	878.5	875.3	872.0	867.2	863.9	867.2	867.2
15°	930.2	922.1	912.4	915.6	910.8	904.3	899.5	889.8	886.6	886.6	888.2
17.5°	968.9	959.2	946.3	949.5	941.5	930.2	918.9	907.6	902.7	901.1	901.1
20°	1009.3	994.8	978.6	981.8	965.7	947.9	931.8	912.4	904.3	901.1	901.1
22.5°	1049.7	1033.5	1012.5	1009.3	985.1	957.6	931.8	907.6	893.0	889.8	888.2
25°	1096.5	1075.5	1048.0	1038.4	1002.8	962.5	925.3	894.6	876.9	872.0	870.4
27.5°	1148.2	1120.7	1085.2	1062.6	1012.5	957.6	909.2	872.0	851.0	843.0	843.0
30°	1199.8	1167.5	1119.1	1080.3	1010.9	941.5	883.3	838.1	813.9	802.6	802.6
32.5°	1258.0	1214.4	1151.4	1088.4	999.6	915.6	847.8	796.1	767.1	754.1	752.5
35°	1321.0	1267.7	1178.8	1091.6	981.8	883.3	807.4	750.9	721.8	705.7	704.1
37.5°	1387.2	1319.3	1199.8	1086.8	957.6	846.2	763.8	707.3	668.6	642.7	641.1
40°	1446.9	1367.8	1216.0	1073.9	926.9	805.8	718.6	642.7	589.4	560.4	557.1
42.5°	1501.8	1401.7	1224.1	1054.5	893.0	757.4	655.6	560.4	505.5	476.4	474.8
45°	1561.6	1437.2	1222.4	1031.9	847.8	702.5	576.5	479.6	431.2	406.9	405.3
47.5°	1626.2	1472.8	1222.4	1006.1	797.7	631.4	497.4	410.2	365.0	344.0	342.4
50°	1694.0	1511.5	1217.6	975.4	739.6	547.4	419.9	344.0	308.4	292.3	292.3
52.5°	1774.7	1553.5	1216.0	938.2	670.2	465.1	350.4	290.7	263.2	255.1	255.1
55°	1871.6	1605.2	1219.2	893.0	589.4	384.3	295.5	253.5	237.4	234.2	234.2
57.5°	1992.7	1671.4	1228.9	843.0	500.6	314.9	255.1	232.5	227.7	226.1	226.1
60°	2128.4	1752.1	1246.7	786.4	415.0	263.2	230.9	222.9	221.2	227.7	227.7
62.5°	2270.5	1842.6	1275.7	713.8	339.1	227.7	216.4	213.2	214.8	226.1	226.1
65°	2402.9	1936.2	1300.0	629.8	272.9	206.7	203.5	203.5	211.5	224.5	224.5
67.5°	2486.9	2020.2	1277.4	523.2	222.9	188.9	190.6	192.2	205.1	216.4	218.0
70°	2454.6	2015.3	1144.9	395.6	184.1	172.8	177.6	180.9	188.9	205.1	209.9
72.5°	2230.1	1831.2	888.2	269.7	155.0	155.0	163.1	167.9	172.8	188.9	198.6
75°	1860.3	1484.1	592.7	177.6	129.2	140.5	148.6	150.2	155.0	169.6	174.4
77.5°	1301.6	968.9	326.2	119.5	101.7	114.7	124.3	130.8	137.3	143.7	147.0
80°	570.0	431.2	156.6	79.1	75.9	85.6	93.7	106.6	117.9	129.2	130.8
82.5°	187.3	151.8	71.1	45.2	45.2	54.9	63.0	79.1	92.0	109.8	109.8
85°	25.8	19.4	21.0	17.8	19.4	25.8	32.3	42.0	46.8	46.8	40.4
87.5°	3.2	3.2	3.2	3.2	3.2	4.8	4.8	4.8	3.2	3.2	1.6
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)