

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: P853391

Luminaire Tested: **CRTK-N-40-727-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853391
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-40-727-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5334 lumens
Efficiency: N/A
Efficacy: 126.7 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

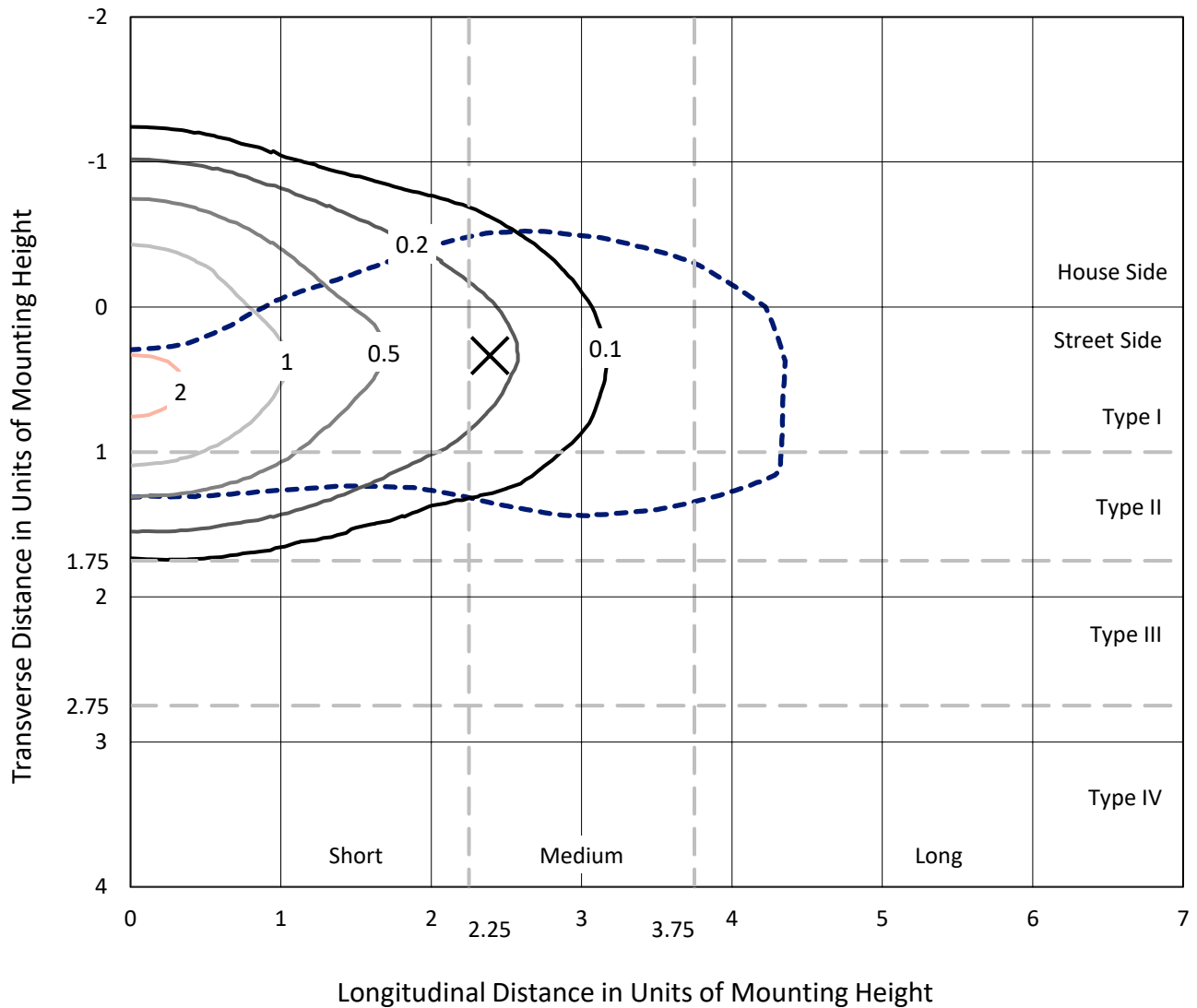
Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

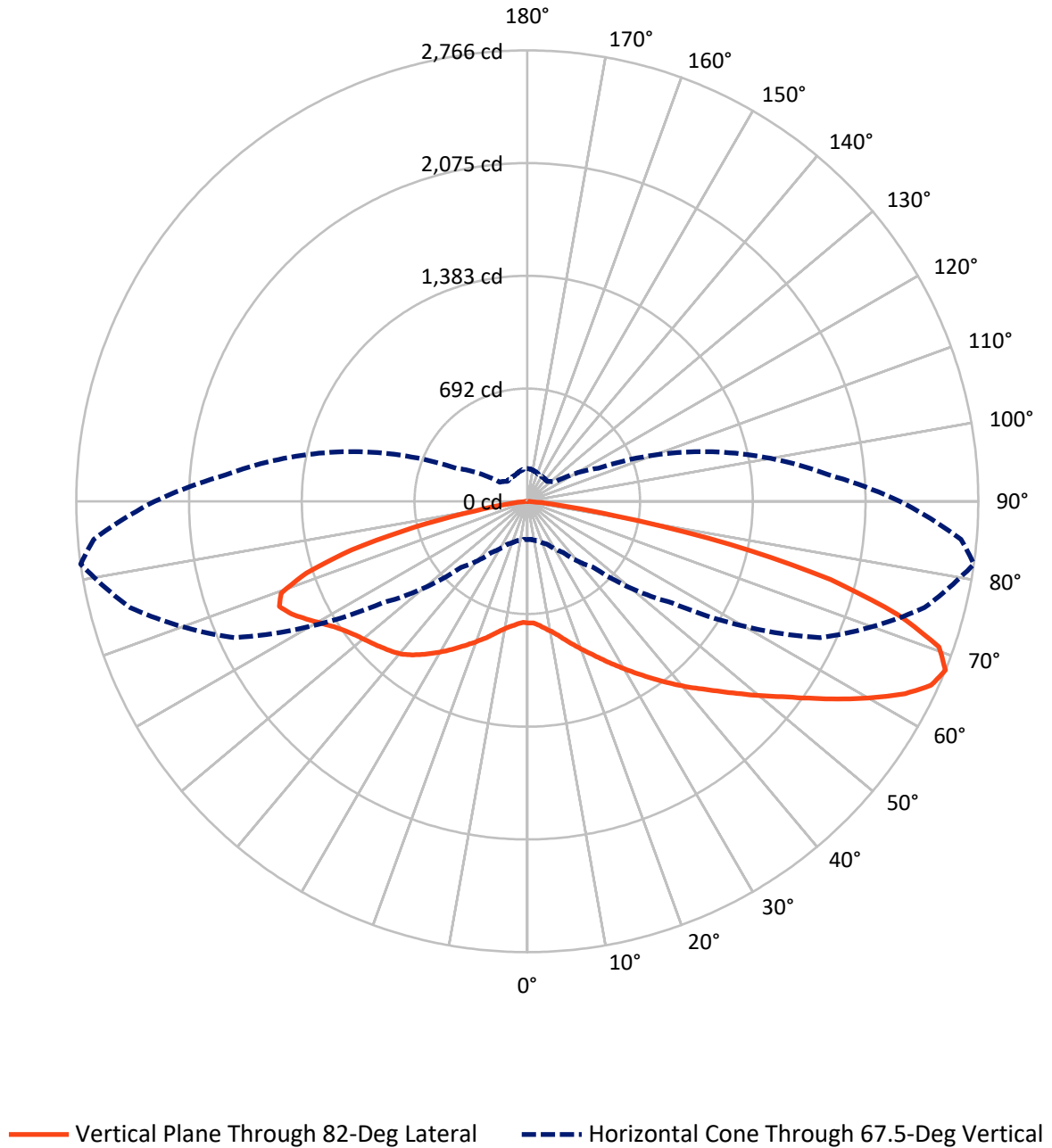
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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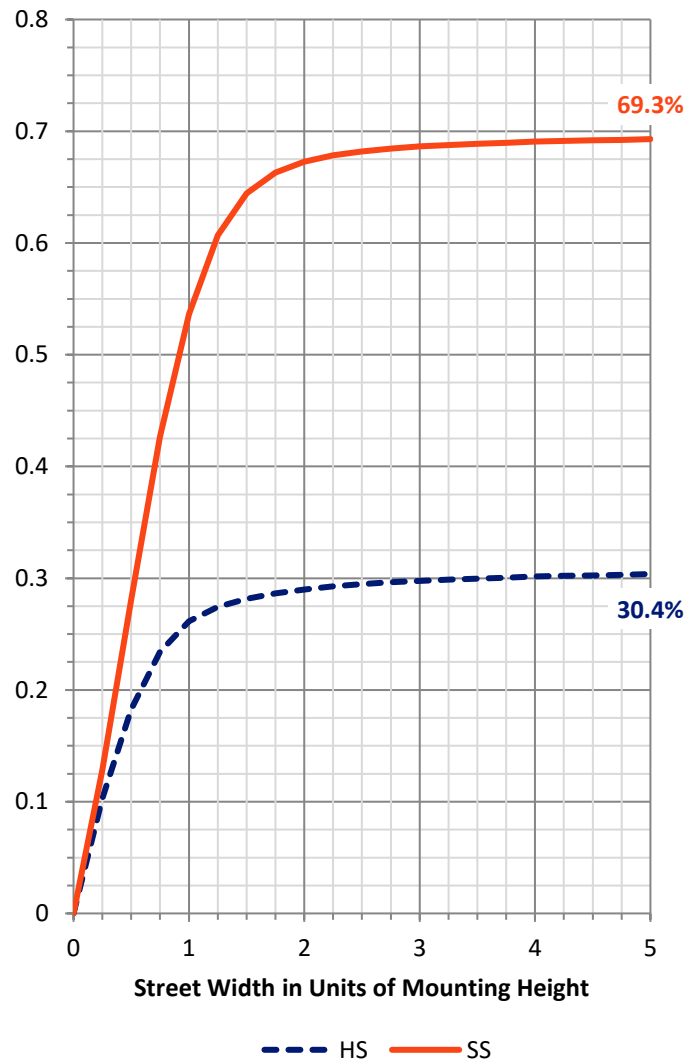
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1634.8	0.0	1634.8
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	3699.2	0.0	3699.2
	% Fixture	69.4	0.0	69.4
Total	Lumens	5334.0	0.0	5334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.4
10°-20°	278.2	5.2
20°-30°	559.4	10.5
30°-40°	881.8	16.5
40°-50°	1080.5	20.3
50°-60°	1028.7	19.3
60°-70°	863.1	16.2
70°-80°	511.0	9.6
80°-90°	54.0	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°	5334.0	100.0
0°-180°	5334.0	100.0

Coefficient of Utilization

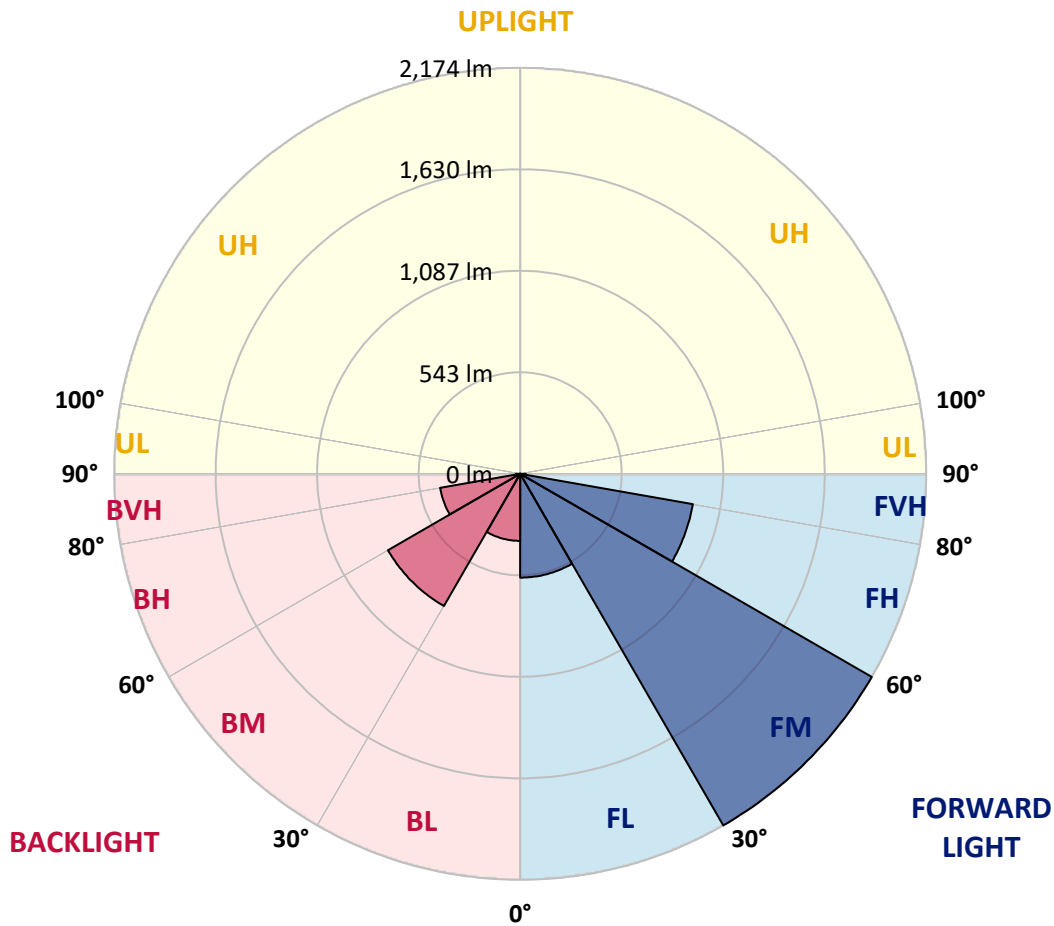


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.8	10.4			
FM (30°-60°)	2173.8	40.8			
FH (60°-80°)	938.9	17.6			G1/1800
FVH (80°-90°)	30.6	0.6			G1/100
BL (0°-30°)	359.1	6.7	B1/500		
BM (30°-60°)	817.3	15.3	B1/1000		
BH (60°-80°)	435.2	8.2	B1/500		G1/500
BVH (80°-90°)	23.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5
2.5°	780.6	782.1	785.1	782.1	780.6	774.7	768.8	765.8	759.9	748.0	745.0
5°	853.4	854.8	857.8	845.9	840.0	823.7	808.8	795.5	780.6	764.3	761.3
7.5°	942.4	948.3	943.9	926.1	908.3	884.5	859.3	835.5	808.8	788.1	782.1
10°	1041.8	1050.7	1041.8	1015.1	991.4	952.8	914.2	878.6	840.0	811.8	804.4
12.5°	1159.1	1160.6	1156.1	1119.0	1086.4	1032.9	979.5	932.0	881.5	844.4	834.1
15°	1286.7	1297.1	1282.3	1236.2	1190.2	1122.0	1053.7	992.9	930.5	884.5	872.6
17.5°	1424.7	1429.2	1417.3	1360.9	1303.0	1217.0	1132.4	1056.7	981.0	927.6	912.7
20°	1568.7	1571.7	1556.8	1482.6	1418.8	1316.4	1215.5	1123.5	1034.4	972.1	952.8
22.5°	1717.1	1721.5	1694.8	1617.7	1539.0	1423.2	1304.5	1191.7	1093.8	1021.1	997.3
25°	1895.2	1895.2	1861.0	1769.0	1674.1	1542.0	1406.9	1274.8	1159.1	1076.0	1046.3
27.5°	2077.7	2068.8	2039.1	1933.8	1819.5	1668.1	1516.7	1369.8	1233.3	1135.3	1101.2
30°	2242.5	2241.0	2205.4	2091.1	1960.5	1792.8	1625.1	1466.3	1311.9	1199.1	1160.6
32.5°	2362.7	2364.2	2331.5	2226.1	2088.1	1914.5	1733.4	1561.3	1389.1	1265.9	1225.9
35°	2450.2	2450.2	2423.5	2330.0	2199.4	2030.2	1846.2	1662.2	1473.7	1338.6	1295.6
37.5°	2478.4	2472.5	2460.6	2389.4	2276.6	2128.2	1957.5	1769.0	1562.7	1414.3	1362.4
40°	2435.4	2423.5	2435.4	2392.4	2310.7	2197.9	2054.0	1877.4	1656.2	1494.5	1432.1
42.5°	2343.4	2327.1	2350.8	2330.0	2294.4	2233.6	2126.7	1979.8	1754.2	1574.6	1501.9
45°	2223.2	2200.9	2229.1	2224.7	2218.7	2223.2	2169.7	2070.3	1861.0	1663.7	1582.0
47.5°	2046.6	2013.9	2073.3	2097.0	2117.8	2165.3	2174.2	2143.0	1973.8	1766.1	1669.6
50°	1760.1	1734.9	1838.8	1926.3	1991.6	2071.8	2135.6	2184.6	2088.1	1875.9	1766.1
52.5°	1393.6	1366.8	1507.8	1687.4	1832.9	1957.5	2055.5	2193.5	2197.9	1993.1	1875.9
55°	1013.6	1022.5	1153.1	1368.3	1616.2	1825.4	1954.5	2171.2	2298.9	2134.1	2009.5
57.5°	719.8	727.2	840.0	1019.6	1335.7	1654.8	1859.6	2120.8	2395.3	2288.5	2163.8
60°	491.2	513.5	596.6	733.1	1019.6	1420.3	1763.1	2059.9	2468.0	2444.3	2327.1
62.5°	360.6	372.5	424.4	526.9	727.2	1123.5	1619.1	2016.9	2515.5	2600.1	2468.0
65°	280.5	286.4	316.1	384.4	520.9	817.7	1389.1	2008.0	2533.3	2721.8	2610.5
67.5°	234.5	234.5	250.8	290.9	382.9	572.9	1086.4	1979.8	2521.5	2766.3	2669.9
70°	197.4	195.9	209.3	234.5	287.9	408.1	765.8	1846.2	2457.7	2678.8	2595.7
72.5°	160.3	160.3	178.1	194.4	225.6	296.8	501.6	1559.8	2264.7	2377.5	2316.7
75°	129.1	127.6	141.0	163.2	178.1	216.7	314.6	1135.3	1929.3	1921.9	1856.6
77.5°	99.4	97.9	109.8	133.6	144.0	160.3	204.8	684.2	1338.6	1271.9	1276.3
80°	75.7	72.7	80.1	97.9	100.9	103.9	114.3	279.0	601.1	549.1	547.6
82.5°	47.5	47.5	50.5	62.3	59.4	60.8	51.9	93.5	212.2	181.1	187.0
85°	17.8	17.8	22.3	26.7	23.7	22.3	16.3	20.8	32.6	25.2	23.7
87.5°	1.5	1.5	1.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	3.0
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°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5
2.5°	743.5	743.5	743.5	745.0	740.6	737.6	733.1	730.2	730.2	731.7	734.6
5°	756.9	755.4	753.9	753.9	749.5	746.5	743.5	740.6	740.6	743.5	743.5
7.5°	774.7	771.7	767.3	767.3	764.3	761.3	759.9	756.9	758.4	759.9	761.3
10°	794.0	789.5	785.1	785.1	782.1	779.1	779.1	774.7	776.2	777.7	779.1
12.5°	820.7	816.2	807.3	810.3	807.3	804.4	801.4	797.0	794.0	797.0	797.0
15°	854.8	847.4	838.5	841.5	837.0	831.1	826.6	817.7	814.8	814.8	816.2
17.5°	890.5	881.5	869.7	872.6	865.2	854.8	844.4	834.1	829.6	828.1	828.1
20°	927.6	914.2	899.4	902.3	887.5	871.2	856.3	838.5	831.1	828.1	828.1
22.5°	964.7	949.8	930.5	927.6	905.3	880.1	856.3	834.1	820.7	817.7	816.2
25°	1007.7	988.4	963.2	954.3	921.6	884.5	850.4	822.2	805.9	801.4	799.9
27.5°	1055.2	1030.0	997.3	976.5	930.5	880.1	835.5	801.4	782.1	774.7	774.7
30°	1102.7	1073.0	1028.5	992.9	929.0	865.2	811.8	770.2	748.0	737.6	737.6
32.5°	1156.1	1116.0	1058.2	1000.3	918.7	841.5	779.1	731.7	704.9	693.1	691.6
35°	1214.0	1165.0	1083.4	1003.2	902.3	811.8	742.0	690.1	663.4	648.5	647.1
37.5°	1274.8	1212.5	1102.7	998.8	880.1	777.7	702.0	650.0	614.4	590.7	589.2
40°	1329.7	1257.0	1117.5	986.9	851.9	740.6	660.4	590.7	541.7	515.0	512.0
42.5°	1380.2	1288.2	1124.9	969.1	820.7	696.0	602.5	515.0	464.5	437.8	436.3
45°	1435.1	1320.8	1123.5	948.3	779.1	645.6	529.8	440.8	396.3	374.0	372.5
47.5°	1494.5	1353.5	1123.5	924.6	733.1	580.3	457.1	377.0	335.4	316.1	314.6
50°	1556.8	1389.1	1119.0	896.4	679.7	503.1	385.9	316.1	283.5	268.6	268.6
52.5°	1631.0	1427.7	1117.5	862.3	615.9	427.4	322.0	267.1	241.9	234.5	234.5
55°	1720.1	1475.2	1120.5	820.7	541.7	353.2	271.6	233.0	218.2	215.2	215.2
57.5°	1831.4	1536.0	1129.4	774.7	460.1	289.4	234.5	213.7	209.3	207.8	207.8
60°	1956.0	1610.2	1145.7	722.8	381.4	241.9	212.2	204.8	203.3	209.3	209.3
62.5°	2086.6	1693.3	1172.4	656.0	311.7	209.3	198.9	195.9	197.4	207.8	207.8
65°	2208.3	1779.4	1194.7	578.8	250.8	190.0	187.0	187.0	194.4	206.3	206.3
67.5°	2285.5	1856.6	1173.9	480.8	204.8	173.6	175.1	176.6	188.5	198.9	200.4
70°	2255.8	1852.1	1052.2	363.6	169.2	158.8	163.2	166.2	173.6	188.5	192.9
72.5°	2049.5	1683.0	816.2	247.8	142.5	142.5	149.9	154.3	158.8	173.6	182.5
75°	1709.7	1363.9	544.7	163.2	118.7	129.1	136.5	138.0	142.5	155.8	160.3
77.5°	1196.2	890.5	299.8	109.8	93.5	105.4	114.3	120.2	126.1	132.1	135.1
80°	523.9	396.3	144.0	72.7	69.8	78.7	86.1	97.9	108.3	118.7	120.2
82.5°	172.2	139.5	65.3	41.6	41.6	50.5	57.9	72.7	84.6	100.9	100.9
85°	23.7	17.8	19.3	16.3	17.8	23.7	29.7	38.6	43.0	43.0	37.1
87.5°	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	3.0	3.0	1.5
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)