

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: P177336

Luminaire Tested: **VAL-E03-LED-E-U-WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177336
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-E03-LED-E-U-WQ-8030
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7829.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

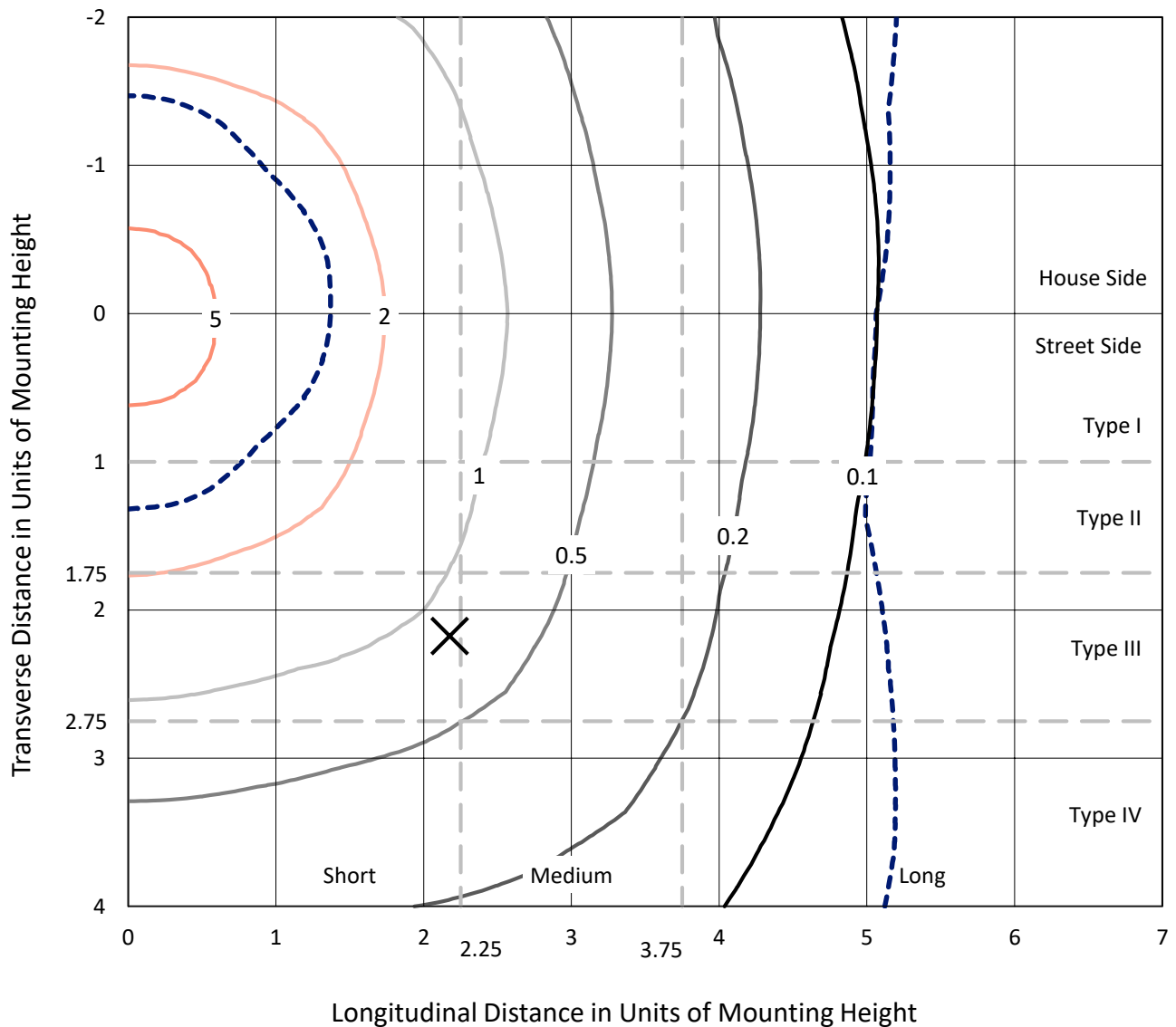
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

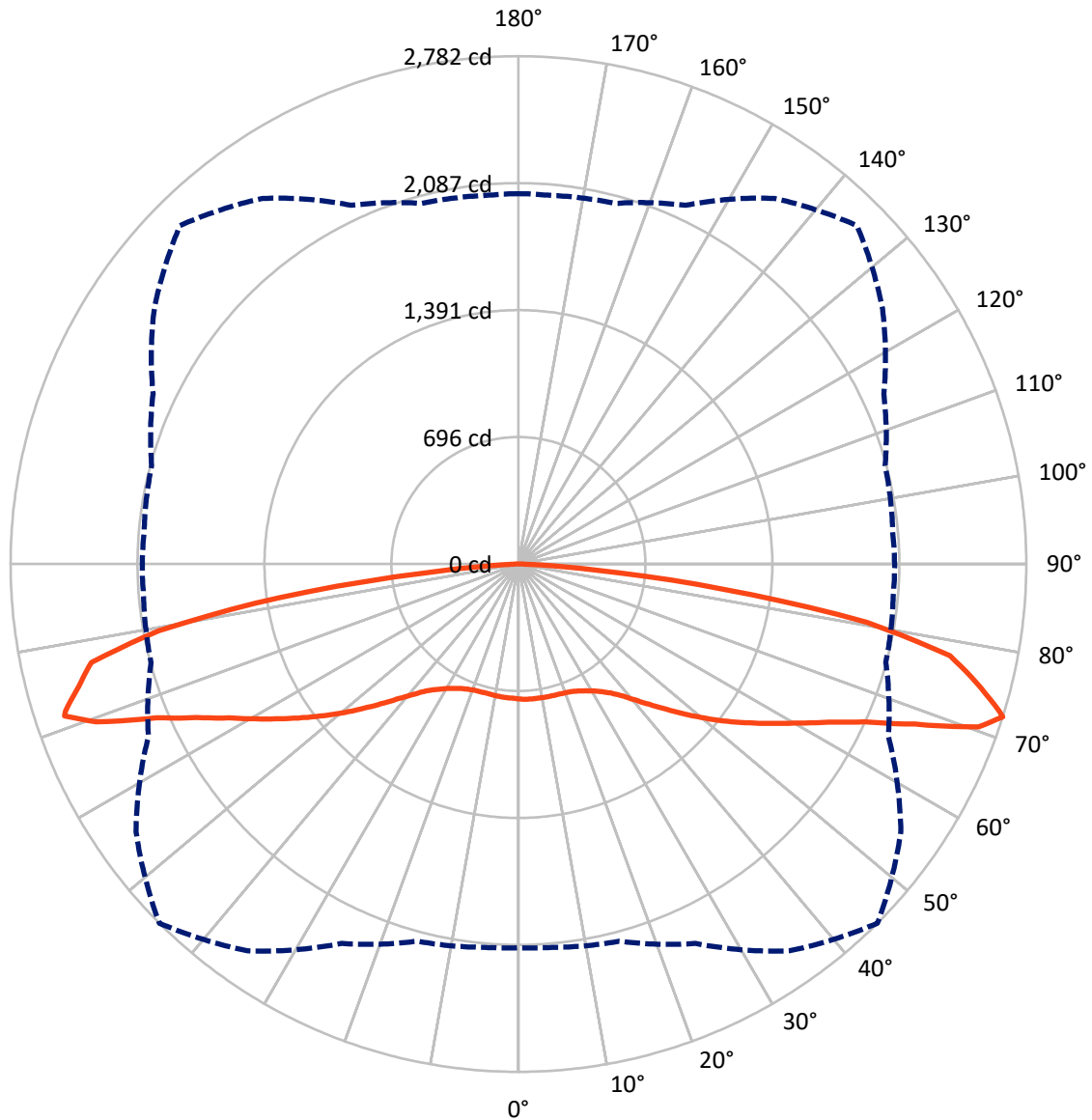


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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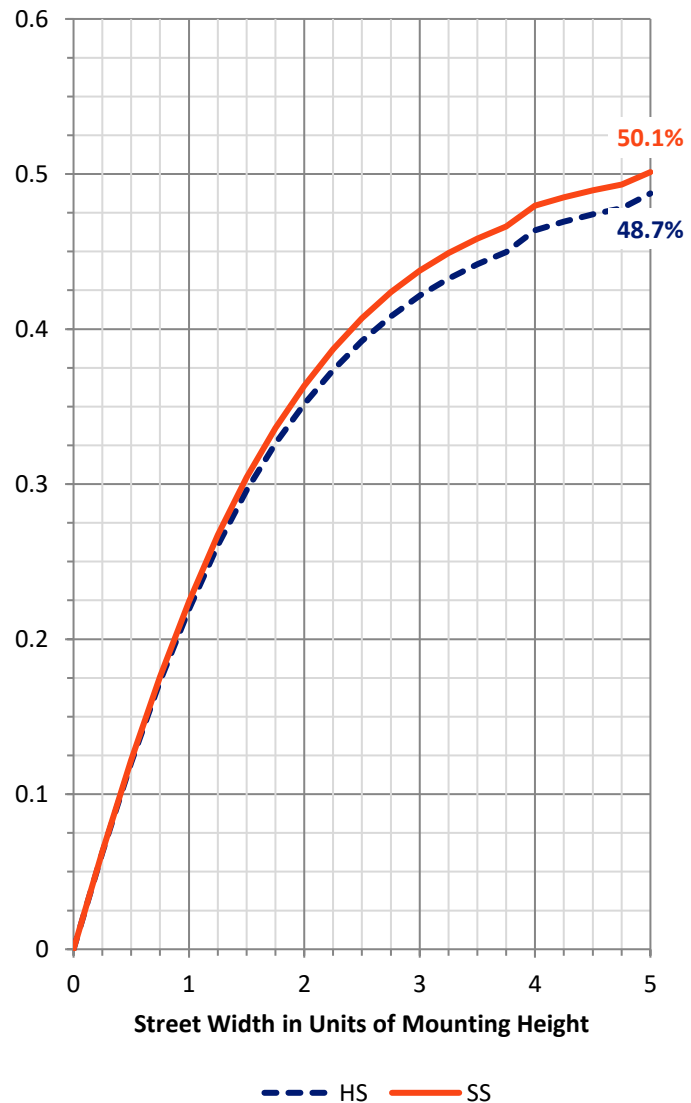
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3860.9	0.0	3860.9
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	3968.2	0.0	3968.2
	% Fixture	50.7	0.0	50.7
Total	Lumens	7829.1	0.0	7829.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	0.9
10°-20°	209.6	2.7
20°-30°	352.1	4.5
30°-40°	535.9	6.8
40°-50°	847.2	10.8
50°-60°	1294.0	16.5
60°-70°	1895.7	24.2
70°-80°	2153.7	27.5
80°-90°	470.4	6.0
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°	7829.1	100.0
0°-180°	7829.1	100.0



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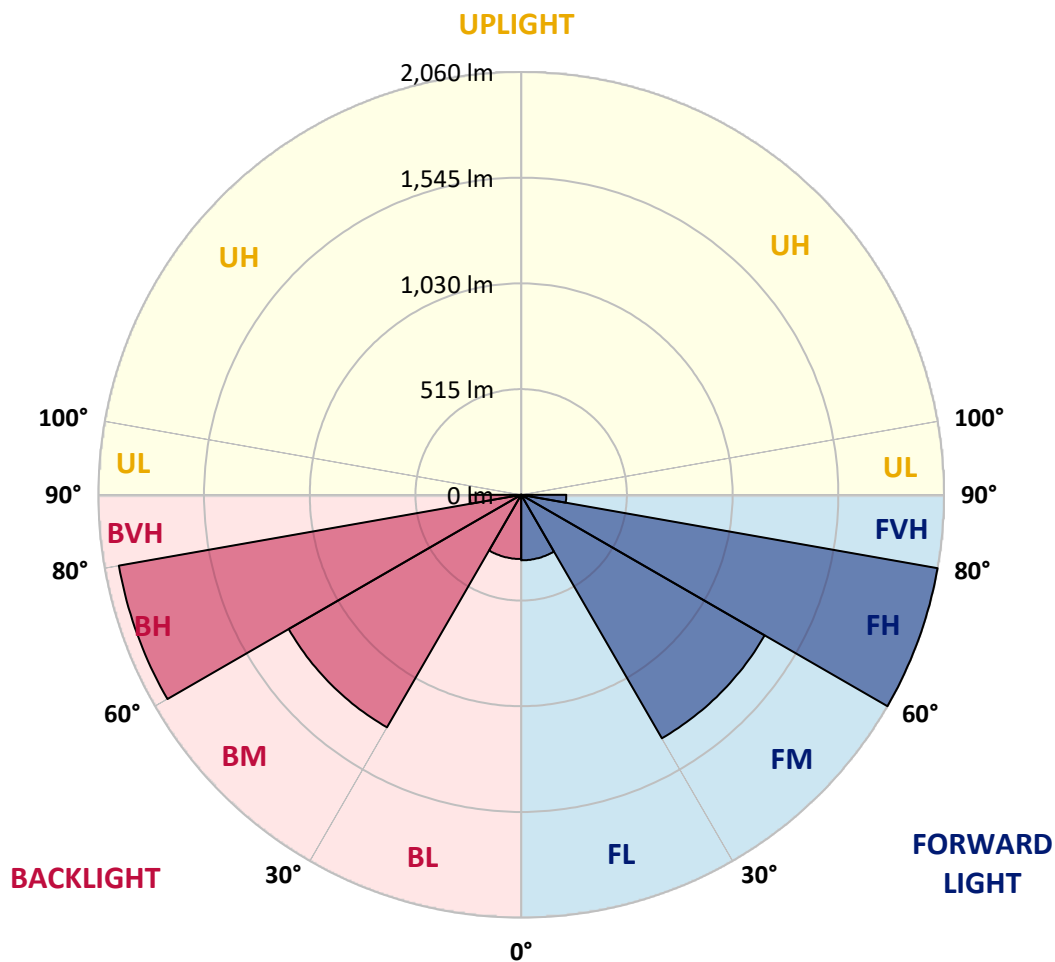
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.3	4.1			
FM (30°-60°)	1369.3	17.5			
FH (60°-80°)	2059.6	26.3			G2/5000
FVH (80°-90°)	220.0	2.8			G2/225
BL (0°-30°)	313.0	4.0	B1/500		
BM (30°-60°)	1307.8	16.7	B2/2500		
BH (60°-80°)	1989.7	25.4	B3/2500		G2/5000
BVH (80°-90°)	250.4	3.2			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	745.4	745.4	743.4	742.4	742.4	741.9	741.4	741.4	740.9	741.4	739.8
5°	746.4	746.4	744.4	743.4	742.9	742.4	742.4	741.4	740.9	741.4	739.8
7.5°	746.4	746.9	745.9	744.9	743.4	742.9	742.4	740.9	740.9	739.8	739.3
10°	748.5	750.0	747.9	746.4	744.4	743.4	741.9	740.9	740.3	739.3	739.3
12.5°	750.0	751.5	749.5	747.9	745.9	744.4	742.4	740.9	739.8	738.3	738.8
15°	752.0	753.5	751.5	749.5	747.4	745.4	743.4	741.4	739.8	738.8	738.8
17.5°	753.0	754.5	752.5	750.5	749.0	747.9	745.4	742.4	740.3	739.3	739.3
20°	754.5	756.0	754.5	753.5	752.0	751.5	749.0	745.4	742.9	741.4	740.9
22.5°	758.1	759.1	758.6	758.6	758.6	758.1	756.0	750.5	747.4	744.9	744.4
25°	766.7	766.2	767.2	768.2	768.7	769.7	766.7	760.6	756.6	752.5	752.0
27.5°	780.9	781.4	781.9	783.9	785.9	786.4	783.4	776.8	770.7	765.2	764.7
30°	797.1	797.1	799.1	803.1	805.2	806.7	803.6	795.5	787.9	782.4	781.4
32.5°	820.4	822.4	823.4	828.0	832.0	833.5	829.0	820.4	811.8	804.7	803.1
35°	853.8	856.8	857.8	861.9	866.4	866.9	862.9	853.3	844.2	834.5	835.0
37.5°	900.9	901.4	903.9	904.9	913.5	913.5	907.0	898.3	889.2	880.6	878.1
40°	963.7	964.2	965.2	963.7	973.8	976.8	968.2	955.1	946.5	935.3	933.8
42.5°	1032.0	1037.1	1036.6	1034.1	1044.2	1050.8	1040.1	1024.9	1015.8	1004.2	1002.2
45°	1116.6	1115.6	1111.0	1116.6	1128.2	1135.3	1122.2	1102.9	1093.3	1078.6	1078.1
47.5°	1198.6	1197.6	1190.5	1194.6	1216.4	1228.0	1208.8	1187.0	1174.3	1165.7	1159.1
50°	1276.6	1283.7	1274.6	1283.2	1311.6	1327.3	1309.5	1275.1	1259.9	1246.7	1243.2
52.5°	1368.3	1372.3	1364.2	1377.9	1409.3	1432.1	1407.8	1363.2	1348.0	1333.3	1328.8
55°	1462.0	1459.9	1455.9	1471.1	1509.6	1536.4	1510.1	1456.4	1434.1	1423.0	1423.0
57.5°	1554.1	1555.1	1545.5	1563.7	1612.4	1647.8	1614.9	1549.1	1521.7	1509.1	1513.1
60°	1652.9	1652.9	1638.2	1654.9	1722.8	1767.8	1718.2	1642.7	1612.9	1605.3	1605.8
62.5°	1763.8	1759.7	1743.5	1764.3	1846.8	1906.6	1844.3	1750.1	1711.1	1711.1	1714.7
65°	1891.9	1885.3	1879.7	1903.5	2010.4	2083.3	2001.3	1882.3	1847.8	1843.8	1850.4
67.5°	2076.2	2083.3	2069.1	2100.5	2246.4	2341.6	2217.0	2063.6	2027.1	2023.6	2039.8
70°	2242.3	2235.2	2253.5	2342.1	2540.6	2673.3	2500.1	2264.1	2159.8	2138.5	2145.1
72°	2102.6	2108.1	2139.0	2293.0	2587.2	2782.1	2557.3	2236.2	2083.3	2061.0	2060.5
72.5°	2070.1	2074.2	2100.5	2248.4	2553.7	2753.3	2528.4	2200.8	2056.5	2037.2	2036.2
75°	1900.0	1908.1	1949.6	2093.4	2403.3	2591.2	2380.1	2073.7	1915.2	1878.7	1886.3
77.5°	1618.4	1635.1	1677.2	1842.8	2206.4	2416.5	2190.7	1838.2	1660.5	1633.6	1625.0
80°	1187.5	1165.2	1241.2	1388.0	1646.8	1935.9	1670.6	1385.0	1200.7	1151.5	1163.7
82.5°	404.1	413.7	533.7	712.5	903.9	1130.3	959.6	693.8	511.0	449.2	421.8
85°	49.1	53.2	83.0	151.4	284.6	411.2	290.7	153.9	95.7	58.7	51.7
87.5°	23.8	25.3	35.4	38.0	47.1	40.0	47.6	30.4	28.9	17.7	14.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	739.3	738.3	737.8	736.8	735.8	735.8	735.8	735.8	735.8	736.3
5°	739.3	738.3	737.8	736.3	735.3	735.3	734.8	735.3	734.8	735.3
7.5°	739.3	737.8	736.3	734.8	733.8	734.3	733.3	732.8	733.3	733.3
10°	738.8	736.3	734.3	732.8	732.2	731.7	731.7	731.2	732.2	731.7
12.5°	738.3	735.3	732.8	730.7	730.2	730.2	730.2	730.2	731.7	731.2
15°	737.8	734.8	732.2	729.7	729.2	730.2	730.2	731.2	732.2	732.2
17.5°	738.3	734.8	731.7	729.7	729.7	730.7	731.2	732.8	734.3	733.3
20°	740.3	736.3	733.8	731.7	732.8	733.8	733.8	734.8	736.3	735.3
22.5°	743.4	740.3	738.3	737.8	739.3	739.8	739.3	738.8	739.3	738.3
25°	750.5	747.4	745.9	747.9	749.5	749.0	746.9	744.9	743.9	743.4
27.5°	763.6	761.1	760.6	763.1	764.7	762.1	758.6	755.5	754.5	753.0
30°	779.8	778.3	779.8	782.4	782.9	778.8	773.8	769.2	767.7	767.7
32.5°	801.1	799.6	803.1	807.2	808.2	802.6	794.5	788.5	784.4	783.9
35°	832.0	831.0	832.0	837.1	836.6	831.0	821.9	814.8	810.7	810.7
37.5°	875.0	874.0	871.5	876.6	876.1	868.5	858.8	852.8	848.2	848.7
40°	931.3	929.7	926.7	927.7	931.8	921.6	909.5	901.4	900.9	900.9
42.5°	998.6	991.5	992.5	998.6	995.6	983.4	972.3	965.2	965.2	964.7
45°	1072.0	1069.5	1068.5	1070.5	1073.1	1063.4	1044.7	1036.6	1036.1	1036.1
47.5°	1157.1	1144.5	1147.0	1152.0	1158.1	1146.0	1122.2	1112.5	1111.0	1111.5
50°	1240.2	1227.0	1229.5	1240.2	1251.8	1232.6	1203.2	1191.5	1189.5	1190.5
52.5°	1326.2	1315.1	1315.1	1332.8	1348.0	1324.2	1287.3	1273.1	1273.1	1272.6
55°	1417.4	1402.2	1408.3	1431.1	1449.3	1420.4	1374.9	1363.7	1355.1	1358.7
57.5°	1508.0	1492.9	1497.9	1532.9	1555.6	1521.2	1464.0	1440.7	1435.6	1434.6
60°	1600.7	1583.5	1589.6	1644.3	1671.1	1625.5	1541.5	1513.1	1508.5	1508.0
62.5°	1703.5	1691.4	1700.5	1763.8	1794.7	1729.8	1624.0	1591.6	1593.1	1589.6
65°	1831.6	1822.0	1837.7	1915.2	1953.2	1858.0	1730.9	1693.4	1697.9	1697.4
67.5°	2014.9	2003.3	2012.9	2121.3	2155.2	2033.2	1879.2	1842.3	1849.4	1861.0
70°	2129.9	2138.5	2225.1	2377.0	2470.2	2345.6	2142.0	2072.7	2076.2	2077.7
72°	2058.0	2079.8	2208.4	2435.3	2622.1	2444.9	2167.9	2044.8	2026.6	2028.6
72.5°	2038.7	2055.5	2184.6	2410.9	2609.5	2423.6	2140.0	2023.6	1994.2	1995.2
75°	1893.9	1925.8	2049.9	2285.4	2498.0	2316.8	2032.7	1908.6	1885.8	1885.8
77.5°	1644.3	1688.8	1815.9	2146.6	2401.8	2204.3	1896.4	1743.0	1719.7	1711.1
80°	1209.8	1275.1	1400.2	1726.8	2002.3	1822.0	1561.2	1403.2	1366.8	1353.6
82.5°	476.5	532.7	742.9	1040.1	1319.7	1123.2	849.2	708.4	595.5	583.4
85°	59.2	95.7	187.4	342.8	524.1	372.7	222.3	116.5	62.8	52.7
87.5°	17.2	32.4	35.4	57.7	68.4	62.8	39.5	35.4	19.7	17.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)