

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: McGRAW-EDISON

Report Number: P197838

Luminaire Tested: **TT-C5-LED-E1-5WQ-PM-CG-MS/DIM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197838  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C5-LED-E1-5WQ-PM-CG-MS/DIM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8298.8 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 77  
Input Voltage (V): NR  
Input Current (Ain): 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: 25 FT

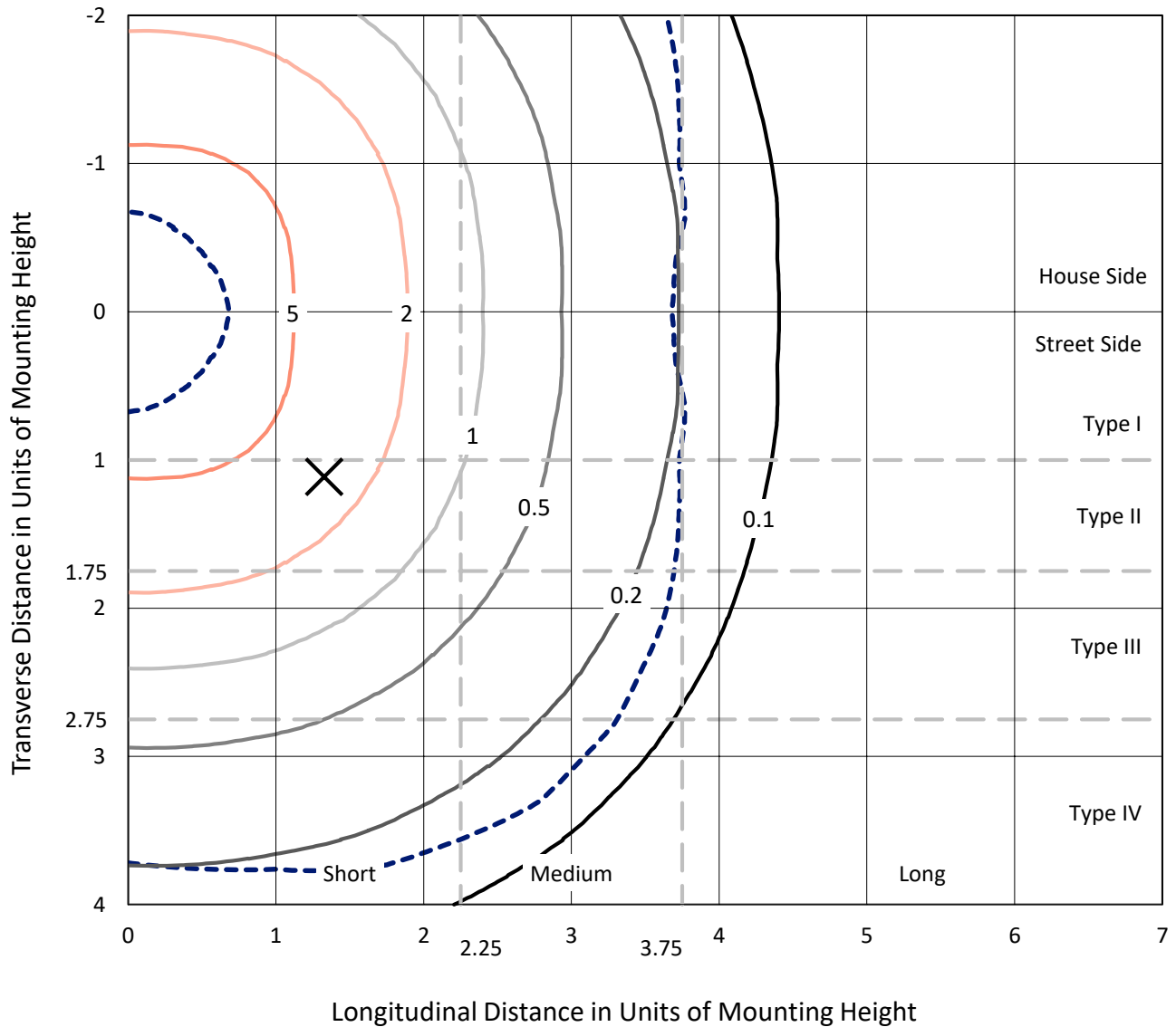


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

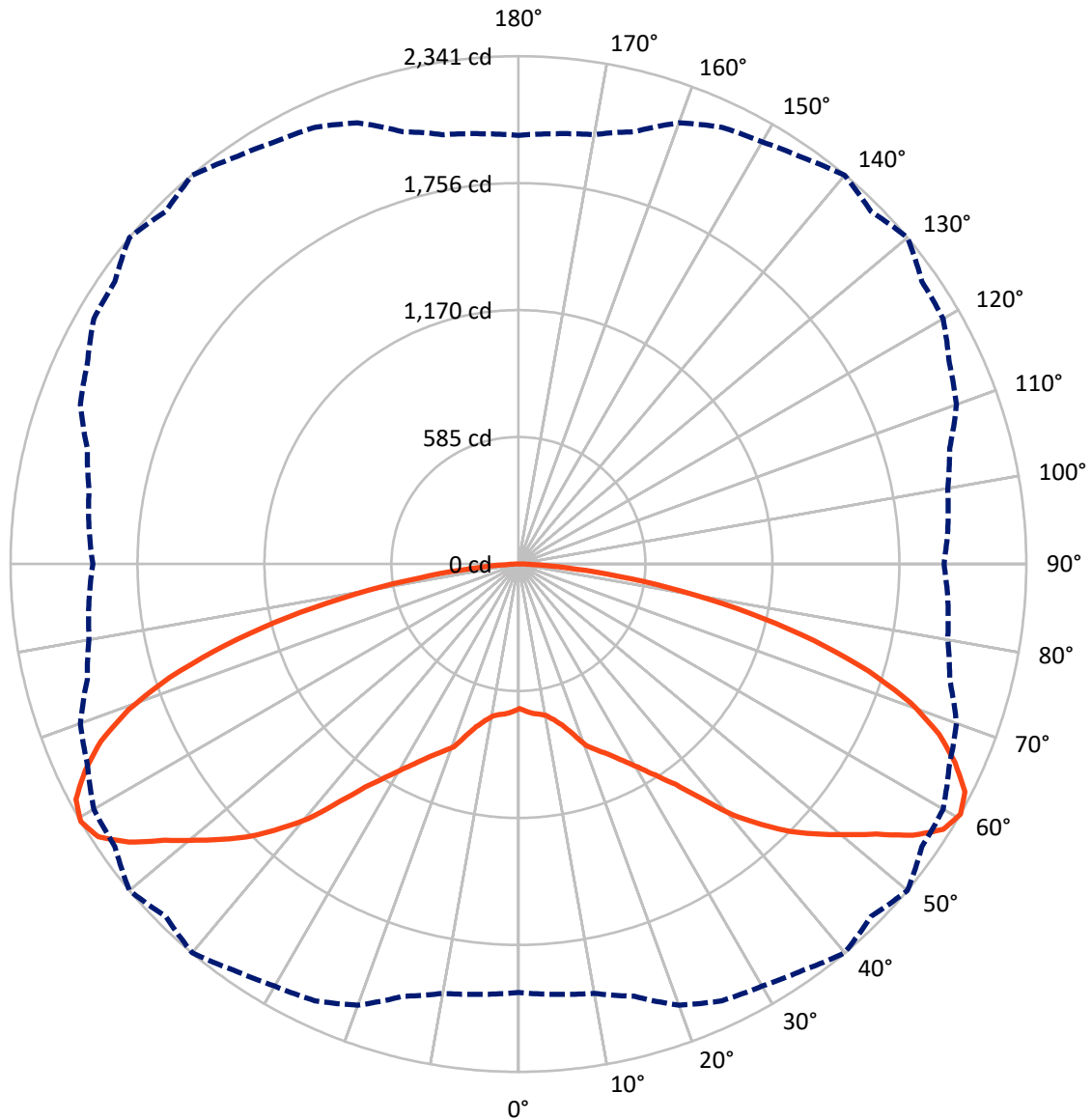


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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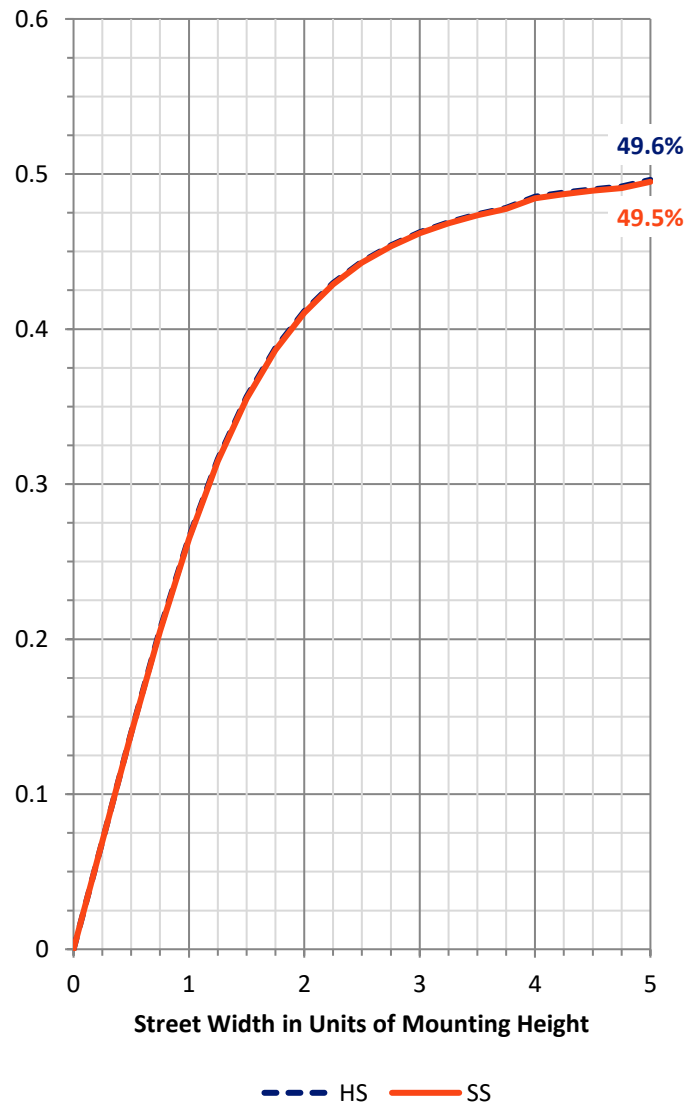
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4149.4	0.0	4149.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4149.4	0.0	4149.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8298.8	0.0	8298.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	0.8
10°-20°	223.9	2.7
20°-30°	452.0	5.4
30°-40°	781.3	9.4
40°-50°	1297.7	15.6
50°-60°	1844.2	22.2
60°-70°	2014.4	24.3
70°-80°	1338.2	16.1
80°-90°	280.9	3.4
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°	8298.8	100.0
0°-180°	8298.8	100.0



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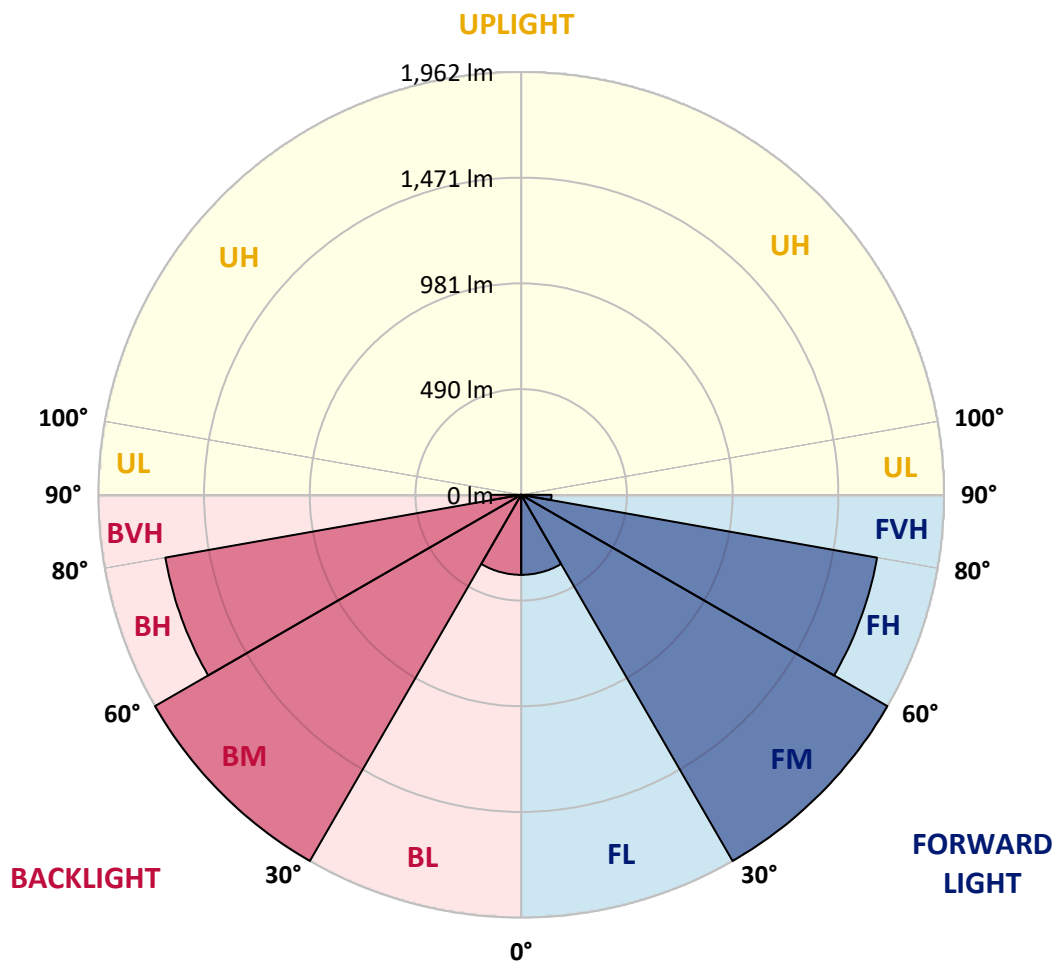
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	371.1	4.5			
FM	(30°-60°)	1961.6	23.6			
FH	(60°-80°)	1676.3	20.2			G1/1800
FVH	(80°-90°)	140.4	1.7			G2/225
BL	(0°-30°)	371.1	4.5	B1/500		
BM	(30°-60°)	1961.6	23.6	B2/2500		
BH	(60°-80°)	1676.3	20.2	B3/2500		G1/1800
BVH	(80°-90°)	140.4	1.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9
2.5°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	677.9	679.6	679.6
5°	686.5	686.5	686.5	688.2	688.2	688.2	689.9	689.9	689.9	691.6	691.6
7.5°	691.6	691.6	691.6	691.6	693.3	693.3	693.3	695.0	695.0	696.7	698.5
10°	713.9	713.9	713.9	713.9	713.9	712.2	712.2	712.2	710.5	710.5	710.5
12.5°	741.4	743.1	744.8	744.8	744.8	744.8	741.4	737.9	737.9	737.9	737.9
15°	767.1	768.8	770.5	774.0	775.7	777.4	777.4	777.4	777.4	777.4	774.0
17.5°	808.3	810.0	810.0	811.7	813.4	813.4	815.2	820.3	827.2	830.6	827.2
20°	871.8	875.2	876.9	876.9	878.7	876.9	880.4	883.8	889.0	892.4	894.1
22.5°	918.1	921.6	926.7	926.7	926.7	925.0	928.4	930.1	928.4	928.4	931.9
25°	954.2	957.6	961.0	962.7	966.2	973.0	979.9	979.9	974.8	973.0	973.0
27.5°	1000.5	1005.7	1005.7	1007.4	1010.8	1015.9	1022.8	1028.0	1031.4	1028.0	1026.2
30°	1060.6	1064.0	1065.7	1064.0	1070.9	1072.6	1074.3	1077.7	1088.0	1094.9	1086.3
32.5°	1106.9	1112.1	1117.2	1124.1	1139.5	1146.4	1144.7	1148.1	1151.5	1158.4	1160.1
35°	1177.3	1185.8	1187.6	1192.7	1211.6	1221.9	1237.3	1245.9	1244.2	1235.6	1247.6
37.5°	1283.7	1294.0	1295.7	1304.3	1323.1	1331.7	1348.9	1371.2	1376.3	1364.3	1371.2
40°	1395.2	1408.9	1421.0	1439.8	1470.7	1481.0	1501.6	1513.6	1530.8	1532.5	1520.5
42.5°	1489.6	1505.0	1505.0	1537.7	1572.0	1601.1	1626.9	1628.6	1640.6	1657.8	1640.6
45°	1590.9	1602.9	1608.0	1635.5	1656.1	1693.8	1731.6	1745.3	1750.4	1753.9	1759.0
47.5°	1683.5	1699.0	1704.1	1728.1	1750.4	1784.8	1808.8	1850.0	1860.3	1846.6	1860.3
50°	1741.9	1759.0	1772.8	1822.5	1862.0	1891.2	1911.8	1947.8	1968.4	1958.1	1959.8
52.5°	1832.8	1838.0	1851.7	1879.2	1935.8	2014.7	2038.8	2050.8	2079.9	2095.4	2067.9
55°	1956.4	1973.5	1983.8	2016.4	2045.6	2102.3	2193.2	2212.1	2205.2	2253.3	2206.9
57.5°	1977.0	2002.7	2035.3	2097.1	2148.6	2179.5	2236.1	2301.3	2299.6	2306.5	2308.2
60°	1975.3	1990.7	2009.6	2062.8	2164.0	2220.7	2246.4	2285.9	2339.1	2297.9	2340.8
62.5°	1963.2	1985.6	2006.2	2043.9	2098.8	2179.5	2251.6	2246.4	2318.5	2285.9	2309.9
65°	1891.2	1911.8	1949.5	1999.3	2066.2	2104.0	2176.0	2222.4	2212.1	2256.7	2212.1
67.5°	1765.9	1784.8	1815.7	1874.0	1944.4	1999.3	2025.0	2102.3	2093.7	2143.4	2090.2
70°	1594.3	1618.3	1654.3	1695.5	1764.2	1822.5	1851.7	1901.5	1925.5	1922.1	1918.6
72.5°	1388.3	1408.9	1438.1	1482.7	1541.1	1597.7	1620.0	1657.8	1697.2	1685.2	1688.7
75°	1158.4	1175.5	1197.9	1225.3	1280.2	1324.9	1350.6	1384.9	1415.8	1407.2	1403.8
77.5°	892.4	913.0	937.0	962.7	985.1	1026.2	1045.1	1069.1	1094.9	1089.7	1091.5
80°	624.7	641.8	657.3	684.7	701.9	715.6	736.2	746.5	765.4	762.0	767.1
82.5°	381.0	393.0	403.3	417.0	432.5	429.0	430.7	442.8	458.2	449.6	463.4
85°	187.1	185.3	195.6	199.1	209.4	207.7	205.9	212.8	221.4	216.2	216.2
87.5°	48.1	48.1	48.1	49.8	54.9	60.1	54.9	58.3	61.8	63.5	61.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9
2.5°	677.9	679.6	677.9	679.6	679.6	679.6	679.6	677.9
5°	691.6	689.9	689.9	689.9	688.2	686.5	686.5	686.5
7.5°	698.5	698.5	696.7	695.0	693.3	693.3	696.7	695.0
10°	713.9	715.6	717.3	719.1	717.3	715.6	715.6	713.9
12.5°	737.9	739.7	743.1	746.5	746.5	744.8	741.4	739.7
15°	772.3	770.5	772.3	775.7	775.7	770.5	765.4	763.7
17.5°	820.3	815.2	811.7	811.7	815.2	810.0	804.9	806.6
20°	887.2	878.7	876.9	871.8	876.9	876.9	868.4	868.4
22.5°	935.3	928.4	921.6	916.4	923.3	926.7	918.1	911.3
25°	979.9	978.2	967.9	962.7	962.7	964.5	952.5	954.2
27.5°	1024.5	1024.5	1017.7	1009.1	1005.7	1010.8	1000.5	997.1
30°	1077.7	1072.6	1077.7	1065.7	1057.1	1062.3	1062.3	1055.4
32.5°	1146.4	1139.5	1144.7	1130.9	1118.9	1117.2	1108.6	1098.3
35°	1244.2	1227.0	1218.5	1211.6	1187.6	1185.8	1184.1	1175.5
37.5°	1367.8	1345.4	1326.6	1328.3	1294.0	1285.4	1285.4	1273.4
40°	1515.3	1501.6	1474.2	1463.9	1429.5	1407.2	1405.5	1383.2
42.5°	1618.3	1623.5	1587.4	1563.4	1535.9	1501.6	1503.3	1479.3
45°	1731.6	1721.3	1688.7	1649.2	1637.2	1599.4	1601.1	1577.1
47.5°	1839.7	1801.9	1784.8	1741.9	1723.0	1680.1	1685.2	1668.1
50°	1946.1	1904.9	1886.0	1839.7	1808.8	1764.2	1759.0	1723.0
52.5°	2059.4	2019.9	1994.1	1927.2	1886.0	1851.7	1838.0	1820.8
55°	2206.9	2167.5	2104.0	2038.8	2007.9	1954.7	1949.5	1927.2
57.5°	2272.2	2241.3	2174.3	2131.4	2069.6	2014.7	1994.1	1951.2
60°	2270.4	2260.1	2191.5	2148.6	2057.6	2009.6	1987.3	1961.5
62.5°	2251.6	2239.5	2158.9	2110.8	2028.5	1987.3	1970.1	1937.5
65°	2213.8	2172.6	2100.5	2061.1	1971.8	1935.8	1898.0	1868.9
67.5°	2107.4	2021.6	1989.0	1939.2	1851.7	1813.9	1777.9	1748.7
70°	1908.3	1844.8	1815.7	1753.9	1678.4	1654.3	1609.7	1577.1
72.5°	1654.3	1620.0	1589.1	1522.2	1469.0	1445.0	1400.4	1372.9
75°	1372.9	1352.3	1309.4	1259.6	1211.6	1203.0	1155.0	1144.7
77.5°	1065.7	1046.8	1012.5	976.5	954.2	937.0	894.1	890.7
80°	746.5	734.5	707.0	691.6	676.2	660.7	631.5	628.1
82.5°	441.0	432.5	434.2	418.7	410.2	406.7	384.4	386.1
85°	212.8	205.9	205.9	205.9	197.4	195.6	181.9	183.6
87.5°	61.8	54.9	54.9	54.9	51.5	51.5	44.6	46.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)