

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: P197839

Luminaire Tested: **TT-C5-LED-E1-5WQ-PM-CG-MS/DIM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197839  
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-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8220.4 lumens  
Efficiency: N/A  
Efficacy: 106.8 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

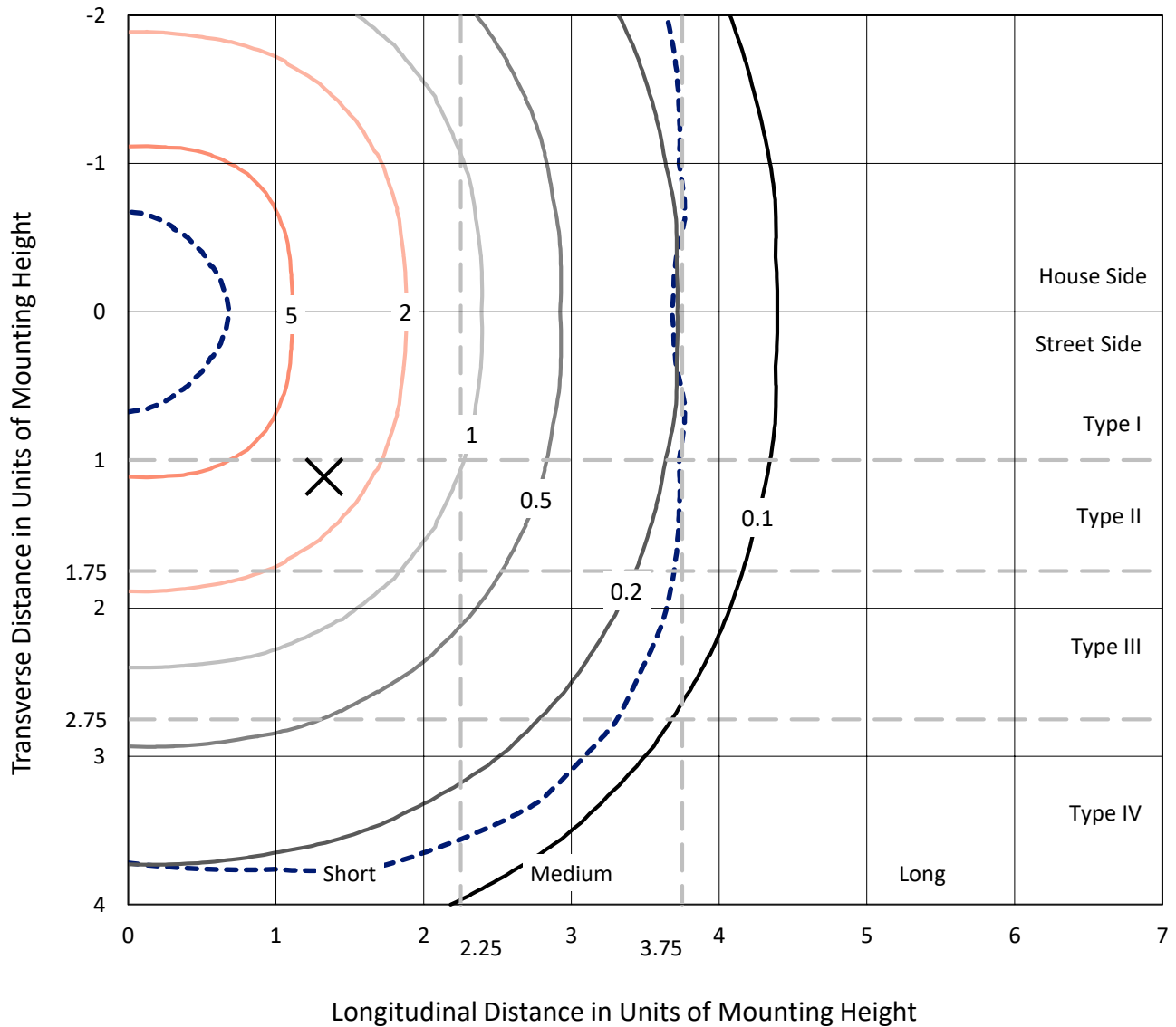


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

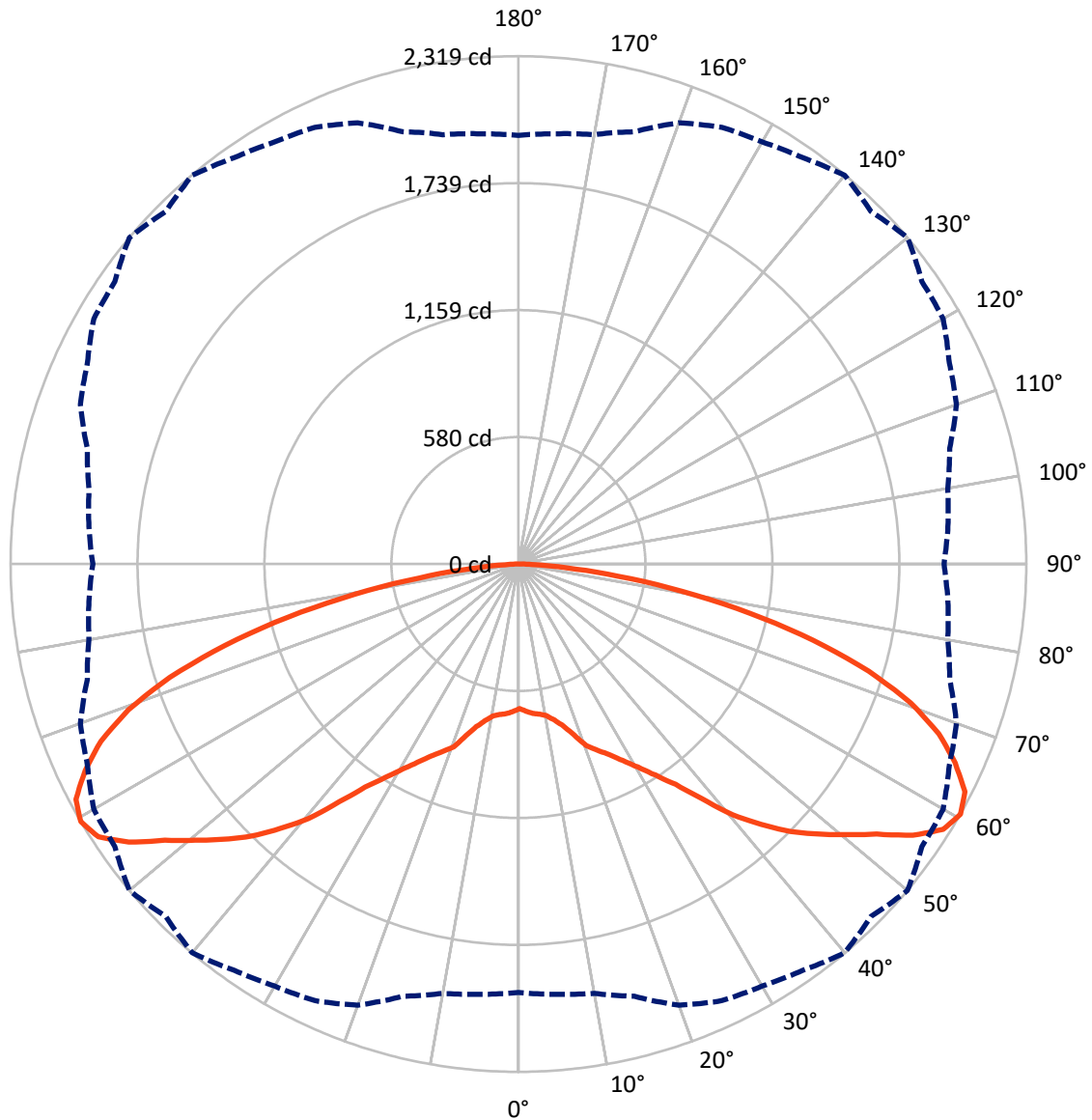


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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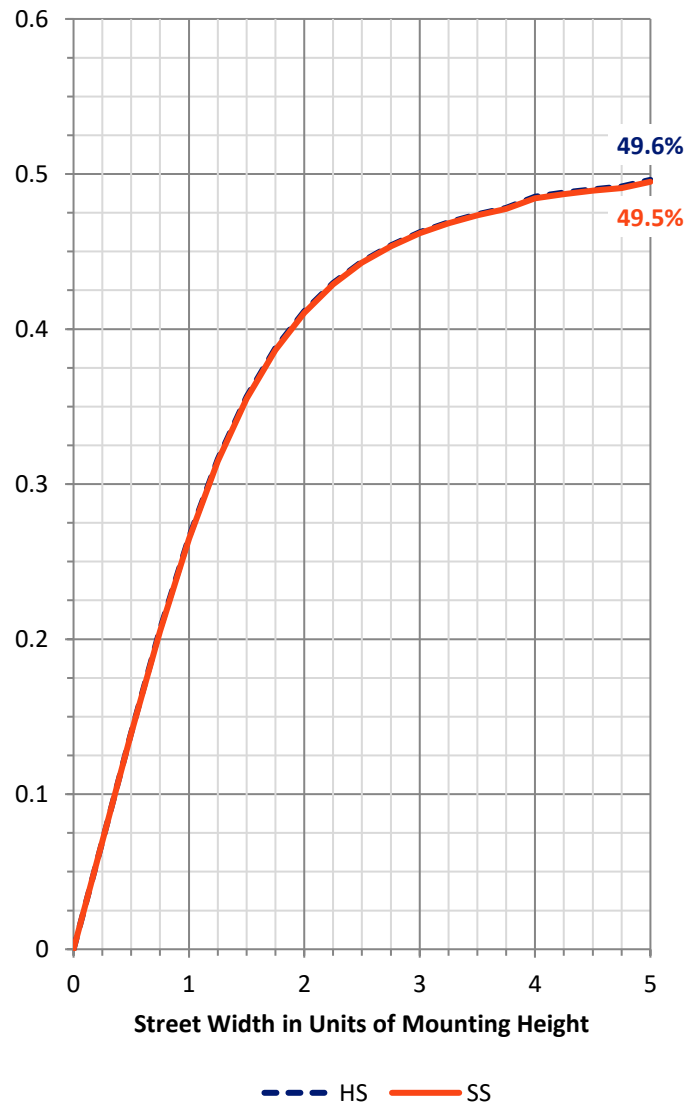
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4110.2	0.0	4110.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4110.2	0.0	4110.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8220.4	0.0	8220.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	0.8
10°-20°	221.8	2.7
20°-30°	447.7	5.4
30°-40°	773.9	9.4
40°-50°	1285.4	15.6
50°-60°	1826.7	22.2
60°-70°	1995.4	24.3
70°-80°	1325.6	16.1
80°-90°	278.2	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°	8220.4	100.0
0°-180°	8220.4	100.0



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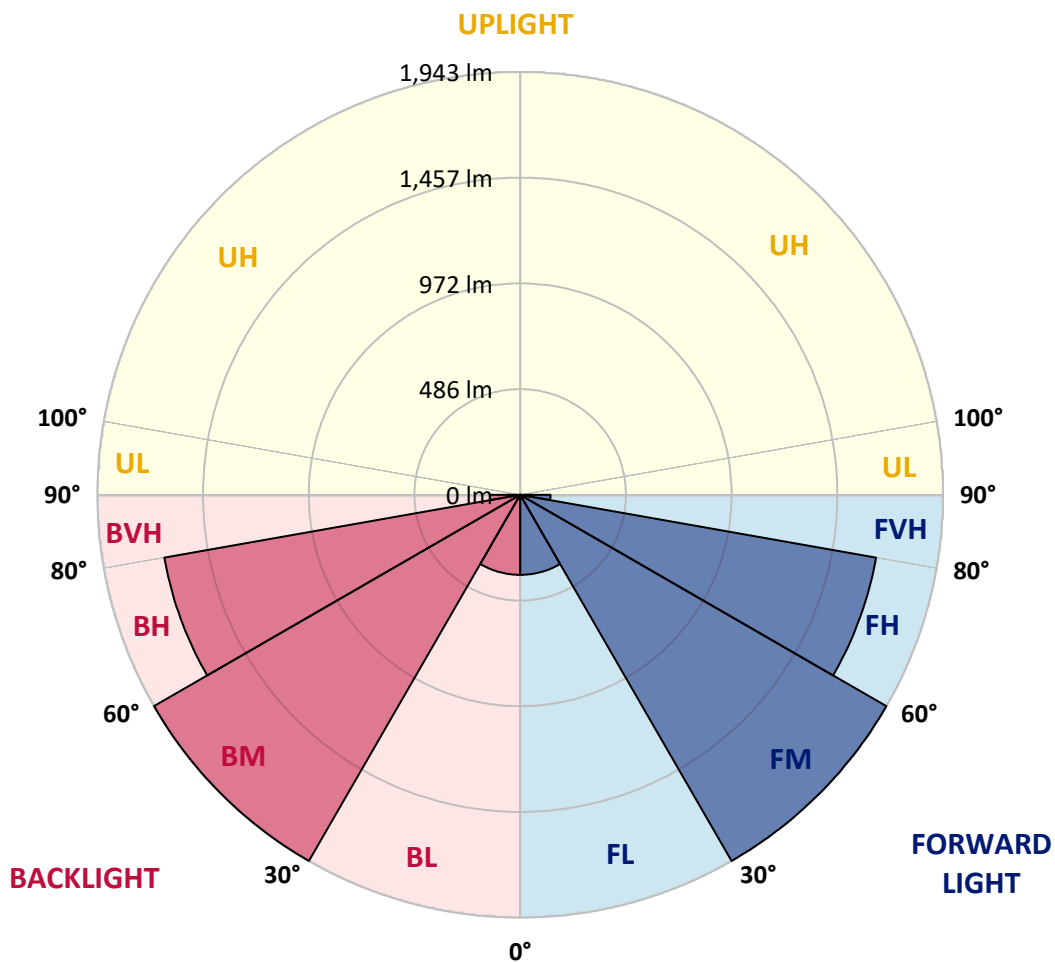
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.6	4.5			
FM (30°-60°)	1943.0	23.6			
FH (60°-80°)	1660.5	20.2			G1/1800
FVH (80°-90°)	139.1	1.7			G2/225
BL (0°-30°)	367.6	4.5	B1/500		
BM (30°-60°)	1943.0	23.6	B2/2500		
BH (60°-80°)	1660.5	20.2	B3/2500		G1/1800
BVH (80°-90°)	139.1	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°	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6
2.5°	673.2	673.2	673.2	673.2	673.2	673.2	673.2	673.2	671.5	673.2	673.2
5°	680.0	680.0	680.0	681.7	681.7	681.7	683.4	683.4	683.4	685.1	685.1
7.5°	685.1	685.1	685.1	685.1	686.8	686.8	686.8	688.5	688.5	690.2	691.9
10°	707.2	707.2	707.2	707.2	707.2	705.5	705.5	705.5	703.8	703.8	703.8
12.5°	734.4	736.1	737.8	737.8	737.8	737.8	734.4	731.0	731.0	731.0	731.0
15°	759.9	761.6	763.3	766.7	768.4	770.1	770.1	770.1	770.1	770.1	766.7
17.5°	800.6	802.3	802.3	804.0	805.7	805.7	807.4	812.5	819.3	822.7	819.3
20°	863.5	866.9	868.6	868.6	870.3	868.6	872.0	875.4	880.5	883.9	885.6
22.5°	909.4	912.8	917.9	917.9	917.9	916.2	919.6	921.3	919.6	919.6	923.0
25°	945.1	948.5	951.9	953.6	957.0	963.8	970.6	970.6	965.5	963.8	963.8
27.5°	991.0	996.1	996.1	997.8	1001.2	1006.3	1013.1	1018.2	1021.6	1018.2	1016.5
30°	1050.5	1053.9	1055.6	1053.9	1060.7	1062.4	1064.1	1067.5	1077.7	1084.5	1076.0
32.5°	1096.4	1101.5	1106.6	1113.4	1128.7	1135.5	1133.8	1137.2	1140.6	1147.4	1149.1
35°	1166.1	1174.6	1176.3	1181.4	1200.1	1210.3	1225.6	1234.1	1232.4	1223.9	1235.8
37.5°	1271.5	1281.7	1283.4	1291.9	1310.6	1319.1	1336.1	1358.2	1363.3	1351.4	1358.2
40°	1382.0	1395.6	1407.5	1426.2	1456.8	1467.0	1487.4	1499.3	1516.3	1518.0	1506.1
42.5°	1475.5	1490.8	1490.8	1523.1	1557.1	1586.0	1611.5	1613.2	1625.1	1642.1	1625.1
45°	1575.8	1587.7	1592.8	1620.0	1640.4	1677.8	1715.2	1728.8	1733.9	1737.3	1742.4
47.5°	1667.6	1682.9	1688.0	1711.8	1733.9	1767.9	1791.7	1832.5	1842.7	1829.1	1842.7
50°	1725.4	1742.4	1756.0	1805.3	1844.4	1873.3	1893.7	1929.4	1949.8	1939.6	1941.3
52.5°	1815.5	1820.6	1834.2	1861.4	1917.5	1995.7	2019.5	2031.4	2060.3	2075.6	2048.4
55°	1937.9	1954.9	1965.1	1997.4	2026.3	2082.4	2172.5	2191.2	2184.4	2232.0	2186.1
57.5°	1958.3	1983.8	2016.1	2077.3	2128.3	2158.9	2215.0	2279.6	2277.9	2284.7	2286.4
60°	1956.6	1971.9	1990.6	2043.3	2143.6	2199.7	2225.2	2264.3	2317.0	2276.2	2318.7
62.5°	1944.7	1966.8	1987.2	2024.6	2079.0	2158.9	2230.3	2225.2	2296.6	2264.3	2288.1
65°	1873.3	1893.7	1931.1	1980.4	2046.7	2084.1	2155.5	2201.4	2191.2	2235.4	2191.2
67.5°	1749.2	1767.9	1798.5	1856.3	1926.0	1980.4	2005.9	2082.4	2073.9	2123.2	2070.5
70°	1579.2	1603.0	1638.7	1679.5	1747.5	1805.3	1834.2	1883.5	1907.3	1903.9	1900.5
72.5°	1375.2	1395.6	1424.5	1468.7	1526.5	1582.6	1604.7	1642.1	1681.2	1669.3	1672.7
75°	1147.4	1164.4	1186.5	1213.7	1268.1	1312.3	1337.8	1371.8	1402.4	1393.9	1390.5
77.5°	883.9	904.3	928.1	953.6	975.7	1016.5	1035.2	1059.0	1084.5	1079.4	1081.1
80°	618.8	635.8	651.1	678.3	695.3	708.9	729.3	739.5	758.2	754.8	759.9
82.5°	377.4	389.3	399.5	413.1	428.4	425.0	426.7	438.6	453.9	445.4	459.0
85°	185.3	183.6	193.8	197.2	207.4	205.7	204.0	210.8	219.3	214.2	214.2
87.5°	47.6	47.6	47.6	49.3	54.4	59.5	54.4	57.8	61.2	62.9	61.2
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°	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6
2.5°	671.5	673.2	671.5	673.2	673.2	673.2	673.2	671.5
5°	685.1	683.4	683.4	683.4	681.7	680.0	680.0	680.0
7.5°	691.9	691.9	690.2	688.5	686.8	686.8	690.2	688.5
10°	707.2	708.9	710.6	712.3	710.6	708.9	708.9	707.2
12.5°	731.0	732.7	736.1	739.5	739.5	737.8	734.4	732.7
15°	765.0	763.3	765.0	768.4	768.4	763.3	758.2	756.5
17.5°	812.5	807.4	804.0	804.0	807.4	802.3	797.2	798.9
20°	878.8	870.3	868.6	863.5	868.6	868.6	860.1	860.1
22.5°	926.4	919.6	912.8	907.7	914.5	917.9	909.4	902.6
25°	970.6	968.9	958.7	953.6	953.6	955.3	943.4	945.1
27.5°	1014.8	1014.8	1008.0	999.5	996.1	1001.2	991.0	987.6
30°	1067.5	1062.4	1067.5	1055.6	1047.1	1052.2	1052.2	1045.4
32.5°	1135.5	1128.7	1133.8	1120.2	1108.3	1106.6	1098.1	1087.9
35°	1232.4	1215.4	1206.9	1200.1	1176.3	1174.6	1172.9	1164.4
37.5°	1354.8	1332.7	1314.0	1315.7	1281.7	1273.2	1273.2	1261.3
40°	1501.0	1487.4	1460.2	1450.0	1416.0	1393.9	1392.2	1370.1
42.5°	1603.0	1608.1	1572.4	1548.6	1521.4	1487.4	1489.1	1465.3
45°	1715.2	1705.0	1672.7	1633.6	1621.7	1584.3	1586.0	1562.2
47.5°	1822.3	1784.9	1767.9	1725.4	1706.7	1664.2	1669.3	1652.3
50°	1927.7	1886.9	1868.2	1822.3	1791.7	1747.5	1742.4	1706.7
52.5°	2039.9	2000.8	1975.3	1909.0	1868.2	1834.2	1820.6	1803.6
55°	2186.1	2147.0	2084.1	2019.5	1988.9	1936.2	1931.1	1909.0
57.5°	2250.7	2220.1	2153.8	2111.3	2050.1	1995.7	1975.3	1932.8
60°	2249.0	2238.8	2170.8	2128.3	2038.2	1990.6	1968.5	1943.0
62.5°	2230.3	2218.4	2138.5	2090.9	2009.3	1968.5	1951.5	1919.2
65°	2192.9	2152.1	2080.7	2041.6	1953.2	1917.5	1880.1	1851.2
67.5°	2087.5	2002.5	1970.2	1920.9	1834.2	1796.8	1761.1	1732.2
70°	1890.3	1827.4	1798.5	1737.3	1662.5	1638.7	1594.5	1562.2
72.5°	1638.7	1604.7	1574.1	1507.8	1455.1	1431.3	1387.1	1359.9
75°	1359.9	1339.5	1297.0	1247.7	1200.1	1191.6	1144.0	1133.8
77.5°	1055.6	1036.9	1002.9	967.2	945.1	928.1	885.6	882.2
80°	739.5	727.6	700.4	685.1	669.8	654.5	625.6	622.2
82.5°	436.9	428.4	430.1	414.8	406.3	402.9	380.8	382.5
85°	210.8	204.0	204.0	204.0	195.5	193.8	180.2	181.9
87.5°	61.2	54.4	54.4	54.4	51.0	51.0	44.2	45.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)