

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: P197675

Luminaire Tested: **TT-C6-LED-E1-5MQ-PM-CG-LWR-LW-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115378)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C6-LED-E1-5MQ-PM-CG-LWR-LW-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9639.4 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 108  
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

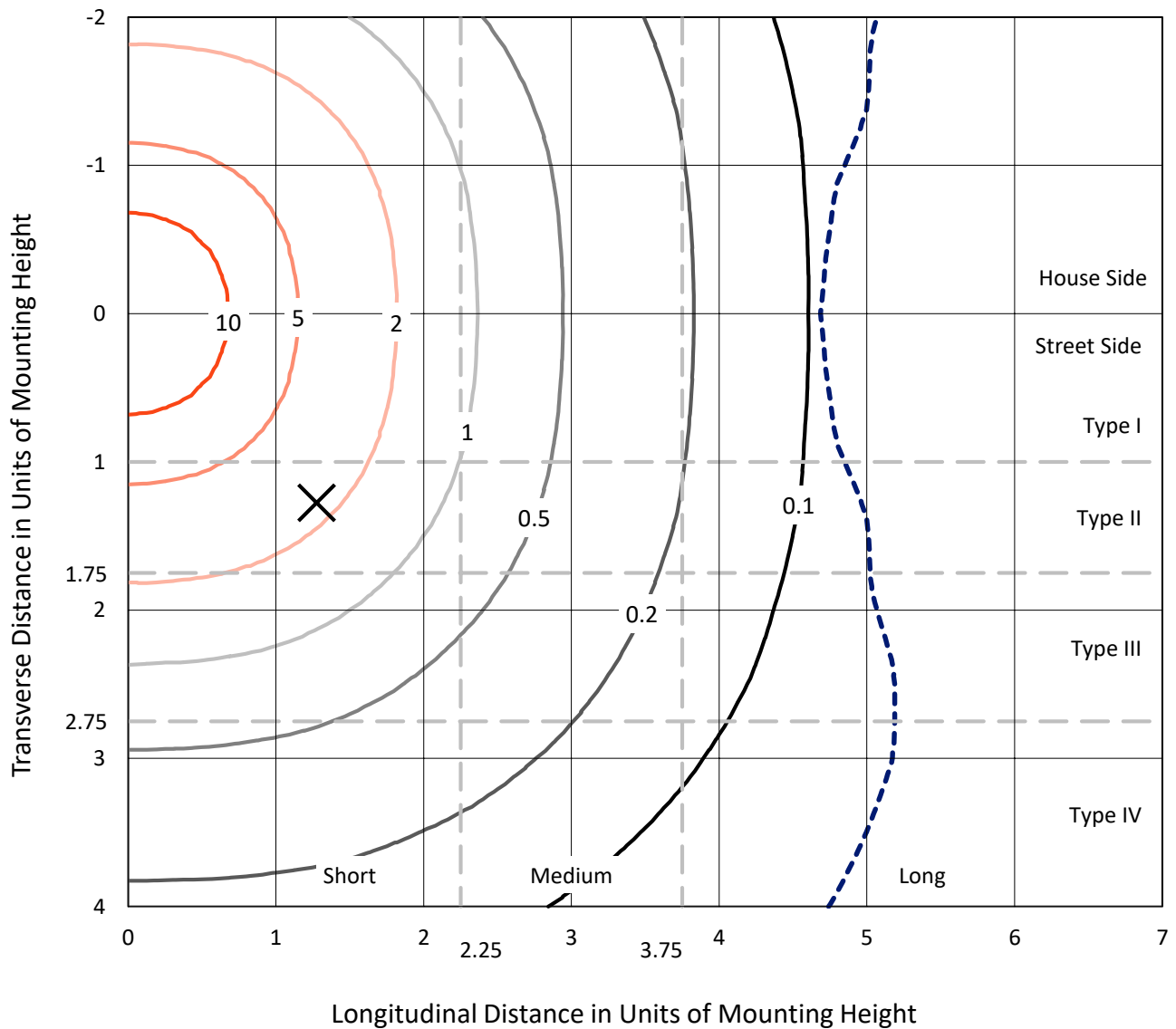


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

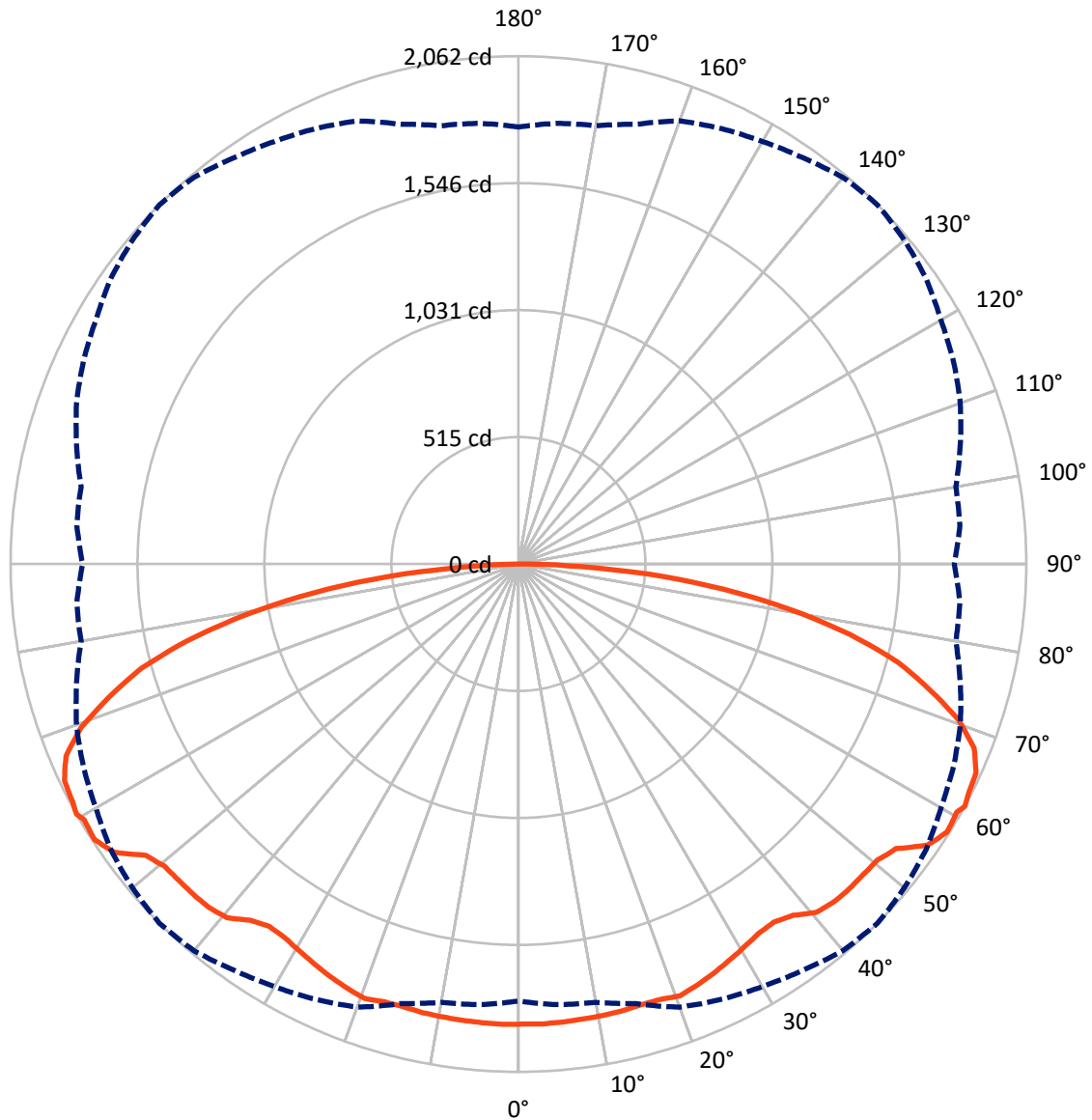


Based on 10 foot mounting height. Maximum calculated value = 18.7 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 61-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4819.7	0.0	4819.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4819.7	0.0	4819.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9639.4	0.0	9639.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.2	1.8
10°-20°	526.7	5.5
20°-30°	847.5	8.8
30°-40°	1122.7	11.6
40°-50°	1417.8	14.7
50°-60°	1698.8	17.6
60°-70°	1857.5	19.3
70°-80°	1487.0	15.4
80°-90°	503.1	5.2
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°	9639.4	100.0
0°-180°	9639.4	100.0



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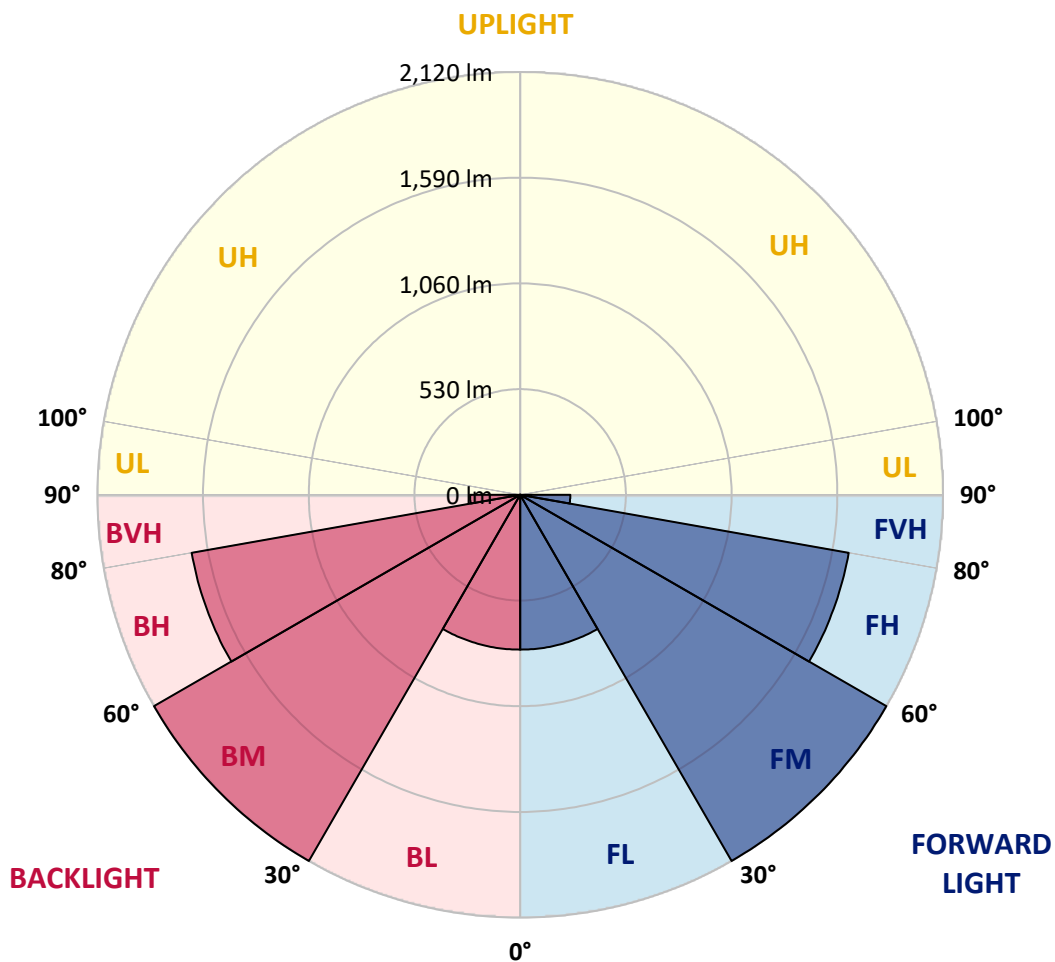
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	776.2	8.1			
FM	(30°-60°)	2119.7	22.0			
FH	(60°-80°)	1672.3	17.3			G1/1800
FVH	(80°-90°)	251.5	2.6			G3/500
BL	(0°-30°)	776.2	8.1	B2/1000		
BM	(30°-60°)	2119.7	22.0	B2/2500		
BH	(60°-80°)	1672.3	17.3	B3/2500		G1/1800
BVH	(80°-90°)	251.5	2.6			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7
2.5°	1869.3	1867.7	1869.3	1869.3	1869.3	1869.3	1869.3	1869.3	1869.3	1869.3	1869.3
5°	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7
7.5°	1865.9	1865.9	1865.9	1865.9	1865.9	1865.9	1865.9	1865.9	1867.7	1865.9	1867.7
10°	1862.2	1862.2	1862.2	1862.2	1864.0	1864.0	1864.0	1864.0	1864.0	1864.0	1864.0
12.5°	1858.6	1858.6	1858.6	1858.6	1860.4	1860.4	1860.4	1860.4	1862.2	1862.2	1860.4
15°	1855.0	1853.2	1853.2	1855.0	1855.0	1856.8	1856.8	1856.8	1858.6	1856.8	1856.8
17.5°	1851.4	1849.6	1851.4	1853.2	1853.2	1855.0	1856.8	1856.8	1858.6	1858.6	1858.6
20°	1856.8	1855.0	1856.8	1858.6	1860.4	1864.0	1865.9	1867.7	1869.3	1871.1	1871.1
22.5°	1845.9	1844.1	1845.9	1845.9	1847.7	1849.6	1853.2	1855.0	1856.8	1856.8	1856.8
25°	1829.8	1829.8	1831.7	1831.7	1833.5	1835.3	1837.1	1838.9	1838.9	1840.7	1838.9
27.5°	1811.9	1811.9	1813.8	1813.8	1817.4	1817.4	1819.2	1820.8	1822.6	1822.6	1822.6
30°	1790.4	1790.4	1792.2	1794.0	1797.4	1799.3	1801.1	1802.9	1804.7	1804.7	1804.7
32.5°	1770.7	1768.9	1770.7	1774.1	1779.5	1783.2	1786.8	1788.6	1788.6	1788.6	1790.4
35°	1754.4	1756.2	1759.8	1763.5	1770.7	1774.1	1777.7	1783.2	1785.0	1785.0	1785.0
37.5°	1758.0	1759.8	1765.3	1772.3	1781.4	1792.2	1799.3	1806.5	1811.9	1810.1	1808.3
40°	1781.4	1785.0	1794.0	1804.7	1819.2	1833.5	1844.1	1853.2	1858.6	1860.4	1858.6
42.5°	1785.0	1788.6	1795.6	1811.9	1828.0	1844.1	1858.6	1867.7	1874.7	1876.5	1874.7
45°	1783.2	1783.2	1794.0	1811.9	1828.0	1844.1	1862.2	1874.7	1881.9	1881.9	1881.9
47.5°	1770.7	1775.9	1783.2	1801.1	1822.6	1838.9	1856.8	1869.3	1878.3	1883.8	1878.3
50°	1770.7	1770.7	1783.2	1795.6	1815.6	1844.1	1869.3	1881.9	1891.0	1889.2	1891.0
52.5°	1767.1	1777.7	1785.0	1802.9	1838.9	1867.7	1887.4	1905.3	1917.7	1919.6	1916.2
55°	1799.3	1801.1	1817.4	1851.4	1885.6	1917.7	1953.8	1980.7	2002.2	2014.9	1996.8
57.5°	1824.4	1815.6	1847.7	1876.5	1916.2	1964.6	2018.3	2039.9	2056.2	2052.5	2058.0
60°	1790.4	1802.9	1826.2	1856.8	1919.6	1968.0	1996.8	2020.1	2039.9	2045.3	2038.3
61°	1774.1	1795.6	1806.5	1847.7	1914.3	1950.1	1980.7	2013.1	2048.9	2061.6	2045.3
62.5°	1747.2	1781.4	1777.7	1844.1	1885.6	1926.8	1984.3	2022.0	2047.1	2050.7	2047.1
65°	1749.0	1743.8	1785.0	1833.5	1874.7	1948.3	1996.8	2020.1	2034.6	2041.7	2038.3
67.5°	1691.6	1673.5	1723.8	1758.0	1828.0	1885.6	1932.2	1966.2	1988.0	1995.0	1986.2
70°	1558.7	1571.3	1607.1	1659.2	1716.8	1786.8	1829.8	1874.7	1892.8	1894.4	1894.4
72.5°	1431.1	1438.4	1474.4	1522.9	1589.2	1650.2	1693.5	1729.3	1745.6	1747.2	1750.8
75°	1262.3	1269.6	1310.8	1355.7	1422.3	1474.4	1504.7	1548.0	1571.3	1591.1	1575.0
77.5°	1066.6	1079.3	1111.5	1160.2	1221.1	1249.9	1303.8	1354.1	1370.2	1375.6	1370.2
80°	845.7	862.0	890.8	955.4	982.3	1029.0	1081.1	1102.6	1116.9	1120.5	1122.3
82.5°	608.7	621.4	651.8	696.6	727.2	765.1	800.9	827.8	843.9	840.5	838.7
85°	359.1	362.7	395.1	425.7	449.0	472.4	500.9	520.8	524.5	531.5	529.7
87.5°	107.8	109.6	123.9	140.0	150.9	161.5	179.7	203.0	208.2	193.9	195.7
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7
2.5°	1869.3	1869.3	1869.3	1869.3	1869.3	1869.3	1867.7	1869.3
5°	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7	1867.7
7.5°	1867.7	1865.9	1865.9	1865.9	1865.9	1865.9	1865.9	1865.9
10°	1864.0	1864.0	1864.0	1864.0	1862.2	1862.2	1862.2	1862.2
12.5°	1860.4	1860.4	1860.4	1860.4	1858.6	1858.6	1858.6	1858.6
15°	1856.8	1856.8	1856.8	1856.8	1855.0	1855.0	1855.0	1855.0
17.5°	1858.6	1856.8	1855.0	1855.0	1853.2	1851.4	1851.4	1851.4
20°	1869.3	1867.7	1864.0	1860.4	1858.6	1856.8	1856.8	1856.8
22.5°	1855.0	1853.2	1849.6	1847.7	1847.7	1845.9	1844.1	1844.1
25°	1838.9	1835.3	1835.3	1833.5	1833.5	1829.8	1829.8	1828.0
27.5°	1820.8	1819.2	1817.4	1815.6	1815.6	1813.8	1811.9	1810.1
30°	1804.7	1801.1	1797.4	1795.6	1794.0	1792.2	1792.2	1792.2
32.5°	1788.6	1785.0	1783.2	1777.7	1774.1	1772.3	1770.7	1770.7
35°	1783.2	1777.7	1774.1	1768.9	1763.5	1759.8	1758.0	1754.4
37.5°	1804.7	1797.4	1792.2	1783.2	1770.7	1765.3	1759.8	1758.0
40°	1851.4	1844.1	1833.5	1819.2	1804.7	1794.0	1785.0	1781.4
42.5°	1867.7	1858.6	1844.1	1829.8	1811.9	1795.6	1788.6	1785.0
45°	1872.9	1864.0	1844.1	1826.2	1810.1	1795.6	1785.0	1781.4
47.5°	1867.7	1855.0	1837.1	1822.6	1799.3	1781.4	1774.1	1768.9
50°	1880.1	1869.3	1845.9	1813.8	1794.0	1783.2	1770.7	1768.9
52.5°	1905.3	1885.6	1864.0	1840.7	1802.9	1781.4	1774.1	1765.3
55°	1980.7	1953.8	1916.2	1878.3	1855.0	1820.8	1799.3	1799.3
57.5°	2038.3	2016.5	1968.0	1917.7	1874.7	1849.6	1817.4	1819.2
60°	2022.0	1993.2	1969.8	1919.6	1858.6	1824.4	1811.9	1788.6
61°	2020.1	1980.7	1948.3	1908.9	1856.8	1802.9	1799.3	1768.9
62.5°	2023.8	1988.0	1926.8	1885.6	1845.9	1775.9	1774.1	1745.6
65°	2020.1	1986.2	1955.6	1878.3	1824.4	1795.6	1734.7	1758.0
67.5°	1964.6	1934.1	1878.3	1835.3	1752.6	1716.8	1682.6	1682.6
70°	1876.5	1831.7	1777.7	1723.8	1668.3	1607.1	1576.6	1558.7
72.5°	1729.3	1691.6	1648.6	1591.1	1522.9	1467.1	1438.4	1425.9
75°	1544.4	1502.9	1465.3	1422.3	1350.5	1303.8	1273.2	1264.1
77.5°	1350.5	1314.4	1248.1	1206.8	1158.3	1104.4	1077.5	1066.6
80°	1102.6	1082.9	1036.2	969.6	946.3	879.9	862.0	845.7
82.5°	827.8	806.3	763.2	716.6	687.8	650.0	617.8	614.2
85°	520.8	506.3	479.4	445.4	409.4	387.9	359.1	366.3
87.5°	193.9	184.9	168.8	147.3	131.2	116.7	102.4	107.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)