

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: P197623

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115333)
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-E1-5MQ-PM-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9300.6 lumens
Efficiency: N/A
Efficacy: 120.8 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): 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

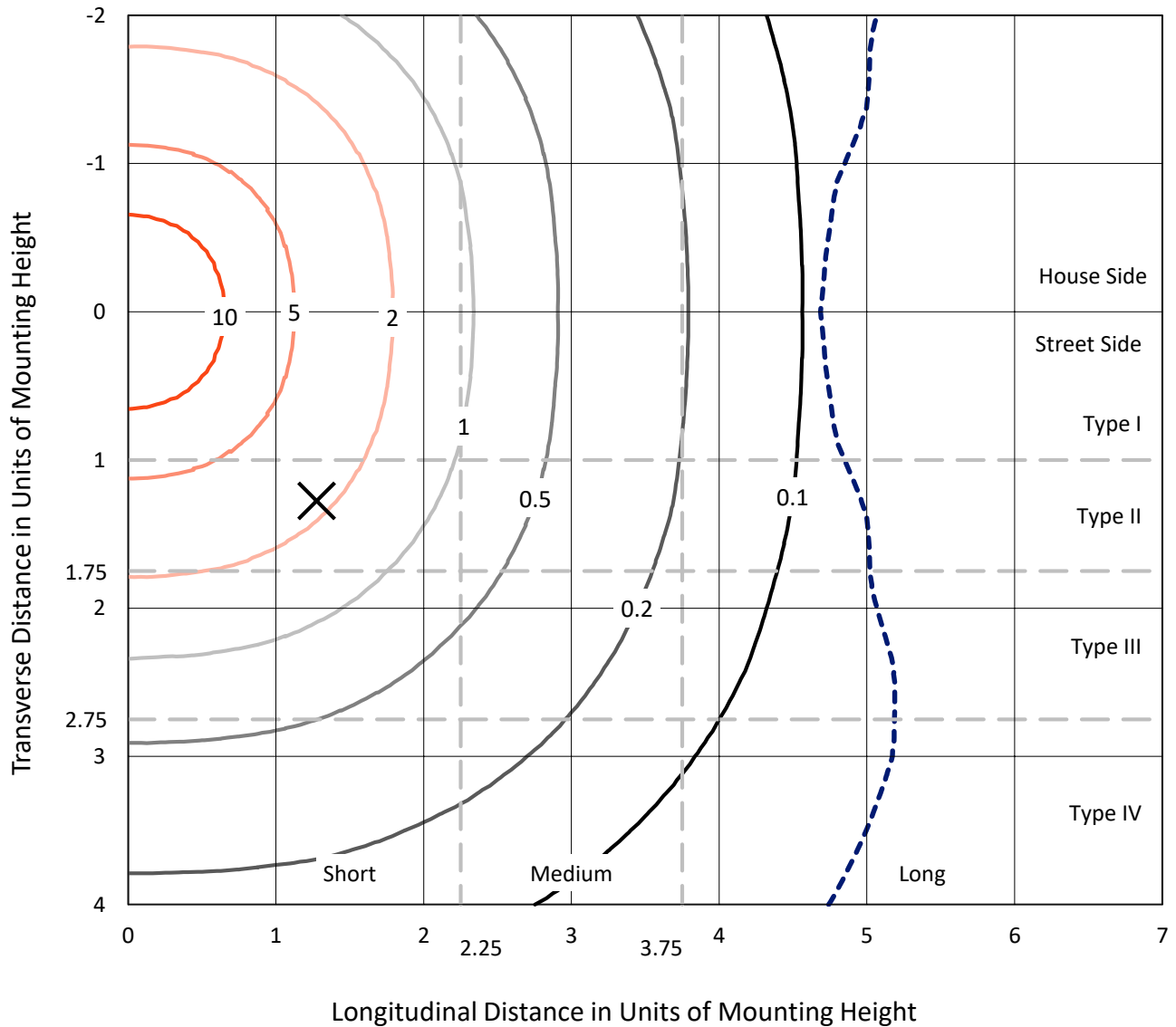


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

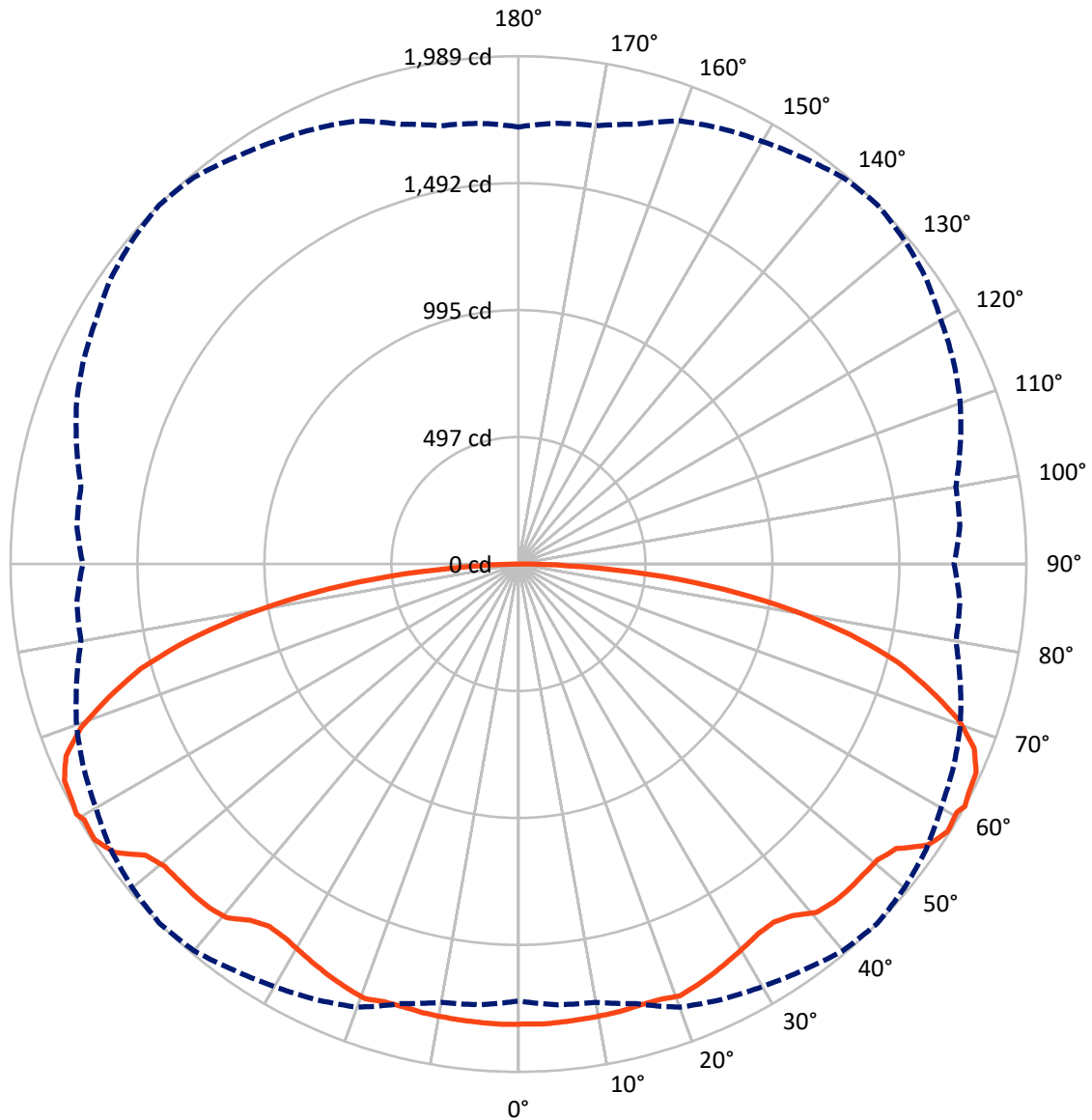


Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type V - Short - Semi-Cutoff

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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
House Side	Lumens	4650.3	0.0	4650.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4650.3	0.0	4650.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9300.6	0.0	9300.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	1.8
10°-20°	508.2	5.5
20°-30°	817.7	8.8
30°-40°	1083.3	11.6
40°-50°	1368.0	14.7
50°-60°	1639.1	17.6
60°-70°	1792.3	19.3
70°-80°	1434.7	15.4
80°-90°	485.4	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°	9300.6	100.0
0°-180°	9300.6	100.0



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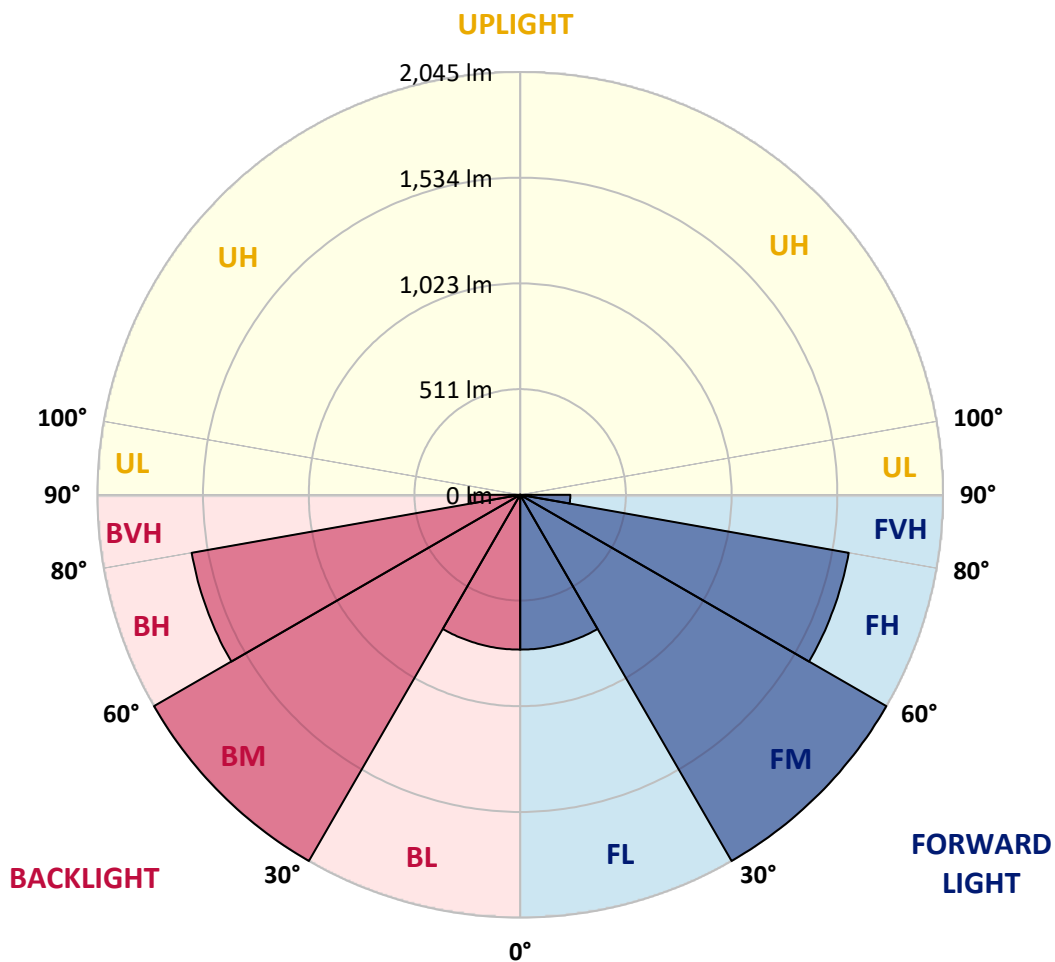
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	748.9	8.1			
FM	(30°-60°)	2045.2	22.0			
FH	(60°-80°)	1613.5	17.3			G1/1800
FVH	(80°-90°)	242.7	2.6			G3/500
BL	(0°-30°)	748.9	8.1	B2/1000		
BM	(30°-60°)	2045.2	22.0	B2/2500		
BH	(60°-80°)	1613.5	17.3	B3/2500		G1/1800
BVH	(80°-90°)	242.7	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°	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0
2.5°	1803.7	1802.0	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7
5°	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0
7.5°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1802.0	1800.2	1802.0
10°	1796.8	1796.8	1796.8	1796.8	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
12.5°	1793.3	1793.3	1793.3	1793.3	1795.1	1795.1	1795.1	1795.1	1796.8	1796.8	1795.1
15°	1789.7	1788.1	1788.1	1789.7	1789.7	1791.5	1791.5	1791.5	1793.3	1791.5	1791.5
17.5°	1786.4	1784.6	1786.4	1788.1	1788.1	1789.7	1791.5	1791.5	1793.3	1793.3	1793.3
20°	1791.5	1789.7	1791.5	1793.3	1795.1	1798.4	1800.2	1802.0	1803.7	1805.3	1805.3
22.5°	1781.2	1779.5	1781.2	1781.2	1782.8	1784.6	1788.1	1789.7	1791.5	1791.5	1791.5
25°	1765.6	1765.6	1767.2	1767.2	1769.0	1770.8	1772.5	1774.1	1774.1	1775.9	1774.1
27.5°	1748.3	1748.3	1750.0	1750.0	1753.4	1753.4	1755.2	1757.0	1758.5	1758.5	1758.5
30°	1727.4	1727.4	1729.1	1730.9	1734.4	1736.0	1737.8	1739.6	1741.4	1741.4	1741.4
32.5°	1708.4	1706.6	1708.4	1711.8	1717.1	1720.4	1724.0	1725.8	1725.8	1725.8	1727.4
35°	1692.8	1694.6	1697.9	1701.5	1708.4	1711.8	1715.3	1720.4	1722.2	1722.2	1722.2
37.5°	1696.2	1697.9	1703.3	1710.2	1718.8	1729.1	1736.0	1742.9	1748.3	1746.5	1744.7
40°	1718.8	1722.2	1730.9	1741.4	1755.2	1769.0	1779.5	1788.1	1793.3	1795.1	1793.3
42.5°	1722.2	1725.8	1732.7	1748.3	1763.9	1779.5	1793.3	1802.0	1808.9	1810.6	1808.9
45°	1720.4	1720.4	1730.9	1748.3	1763.9	1779.5	1796.8	1808.9	1815.8	1815.8	1815.8
47.5°	1708.4	1713.5	1720.4	1737.8	1758.5	1774.1	1791.5	1803.7	1812.2	1817.6	1812.2
50°	1708.4	1708.4	1720.4	1732.7	1751.6	1779.5	1803.7	1815.8	1824.5	1822.7	1824.5
52.5°	1704.8	1715.3	1722.2	1739.6	1774.1	1802.0	1820.9	1838.3	1850.5	1852.1	1848.7
55°	1736.0	1737.8	1753.4	1786.4	1819.3	1850.5	1885.1	1911.1	1931.9	1944.1	1926.7
57.5°	1760.3	1751.6	1782.8	1810.6	1848.7	1895.5	1947.5	1968.2	1983.8	1980.4	1985.6
60°	1727.4	1739.6	1762.1	1791.5	1852.1	1898.9	1926.7	1949.2	1968.2	1973.5	1966.6
61°	1711.8	1732.7	1742.9	1782.8	1847.0	1881.7	1911.1	1942.3	1976.9	1989.1	1973.5
62.5°	1685.9	1718.8	1715.3	1779.5	1819.3	1859.0	1914.5	1951.0	1975.3	1978.7	1975.3
65°	1687.7	1682.3	1722.2	1769.0	1808.9	1879.9	1926.7	1949.2	1963.1	1970.0	1966.6
67.5°	1632.2	1614.8	1663.4	1696.2	1763.9	1819.3	1864.3	1897.3	1918.0	1925.0	1916.3
70°	1503.9	1516.1	1550.7	1601.0	1656.5	1724.0	1765.6	1808.9	1826.2	1827.8	1827.8
72.5°	1380.9	1387.8	1422.5	1469.3	1533.3	1592.3	1633.8	1668.5	1684.1	1685.9	1689.3
75°	1218.0	1224.9	1264.8	1308.1	1372.2	1422.5	1452.0	1493.6	1516.1	1535.1	1519.5
77.5°	1029.1	1041.3	1072.5	1119.3	1178.2	1206.0	1257.9	1306.5	1322.1	1327.2	1322.1
80°	816.1	831.7	859.3	921.7	947.8	992.8	1043.1	1063.8	1077.7	1081.2	1082.8
82.5°	587.3	599.5	629.0	672.2	701.8	738.1	772.7	798.7	814.3	811.0	809.2
85°	346.5	350.0	381.2	410.6	433.1	455.6	483.5	502.4	506.0	512.9	511.1
87.5°	104.0	105.6	119.6	135.2	145.5	156.0	173.3	195.8	201.0	187.1	188.9
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°	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0
2.5°	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1802.0	1803.7
5°	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0	1802.0
7.5°	1802.0	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
10°	1798.4	1798.4	1798.4	1798.4	1796.8	1796.8	1796.8	1796.8
12.5°	1795.1	1795.1	1795.1	1795.1	1793.3	1793.3	1793.3	1793.3
15°	1791.5	1791.5	1791.5	1791.5	1789.7	1789.7	1789.7	1789.7
17.5°	1793.3	1791.5	1789.7	1789.7	1788.1	1786.4	1786.4	1786.4
20°	1803.7	1802.0	1798.4	1795.1	1793.3	1791.5	1791.5	1791.5
22.5°	1789.7	1788.1	1784.6	1782.8	1782.8	1781.2	1779.5	1779.5
25°	1774.1	1770.8	1770.8	1769.0	1769.0	1765.6	1765.6	1763.9
27.5°	1757.0	1755.2	1753.4	1751.6	1751.6	1750.0	1748.3	1746.5
30°	1741.4	1737.8	1734.4	1732.7	1730.9	1729.1	1729.1	1729.1
32.5°	1725.8	1722.2	1720.4	1715.3	1711.8	1710.2	1708.4	1708.4
35°	1720.4	1715.3	1711.8	1706.6	1701.5	1697.9	1696.2	1692.8
37.5°	1741.4	1734.4	1729.1	1720.4	1708.4	1703.3	1697.9	1696.2
40°	1786.4	1779.5	1769.0	1755.2	1741.4	1730.9	1722.2	1718.8
42.5°	1802.0	1793.3	1779.5	1765.6	1748.3	1732.7	1725.8	1722.2
45°	1807.1	1798.4	1779.5	1762.1	1746.5	1732.7	1722.2	1718.8
47.5°	1802.0	1789.7	1772.5	1758.5	1736.0	1718.8	1711.8	1706.6
50°	1814.0	1803.7	1781.2	1750.0	1730.9	1720.4	1708.4	1706.6
52.5°	1838.3	1819.3	1798.4	1775.9	1739.6	1718.8	1711.8	1703.3
55°	1911.1	1885.1	1848.7	1812.2	1789.7	1757.0	1736.0	1736.0
57.5°	1966.6	1945.7	1898.9	1850.5	1808.9	1784.6	1753.4	1755.2
60°	1951.0	1923.2	1900.7	1852.1	1793.3	1760.3	1748.3	1725.8
61°	1949.2	1911.1	1879.9	1841.8	1791.5	1739.6	1736.0	1706.6
62.5°	1952.6	1918.0	1859.0	1819.3	1781.2	1713.5	1711.8	1684.1
65°	1949.2	1916.3	1886.9	1812.2	1760.3	1732.7	1673.7	1696.2
67.5°	1895.5	1866.1	1812.2	1770.8	1691.0	1656.5	1623.5	1623.5
70°	1810.6	1767.2	1715.3	1663.4	1609.7	1550.7	1521.2	1503.9
72.5°	1668.5	1632.2	1590.5	1535.1	1469.3	1415.6	1387.8	1375.8
75°	1490.1	1450.2	1413.9	1372.2	1302.9	1257.9	1228.5	1219.8
77.5°	1302.9	1268.4	1204.2	1164.3	1117.5	1065.6	1039.6	1029.1
80°	1063.8	1044.7	999.7	935.5	913.0	849.1	831.7	816.1
82.5°	798.7	778.0	736.3	691.3	663.7	627.2	596.0	592.6
85°	502.4	488.6	462.5	429.8	395.0	374.3	346.5	353.4
87.5°	187.1	178.5	162.9	142.1	126.5	112.5	98.7	104.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)