

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: P197625

Luminaire Tested: **TT-C6-LED-E1-MQ-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197625
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-C6-LED-E1-MQ-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9052.4 lumens
Efficiency: N/A
Efficacy: 83.8 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): 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



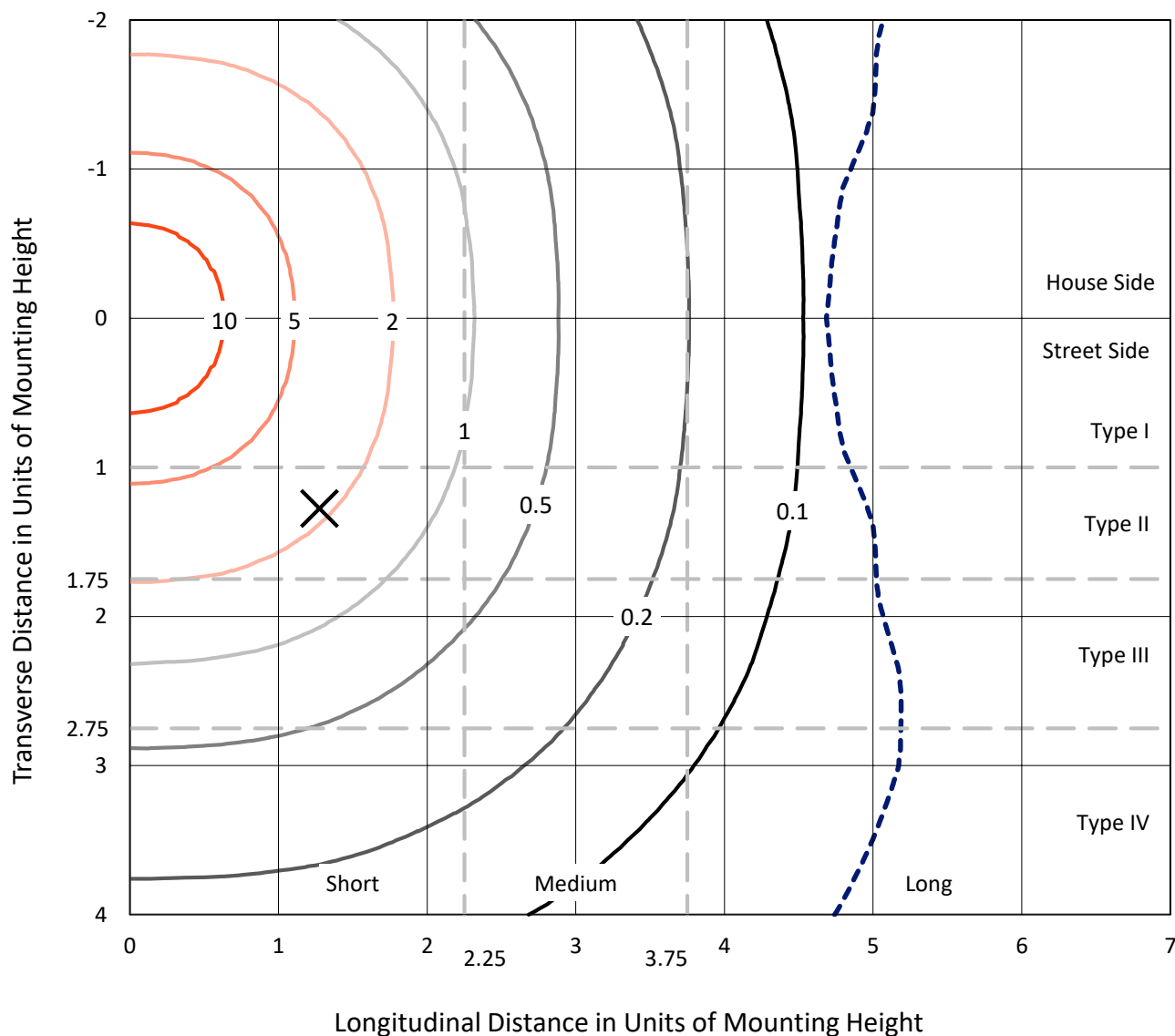
REPORT NUMBER: P197625

CATALOG NUMBER: TT-C6-LED-E1-MQ-MS/DIM-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

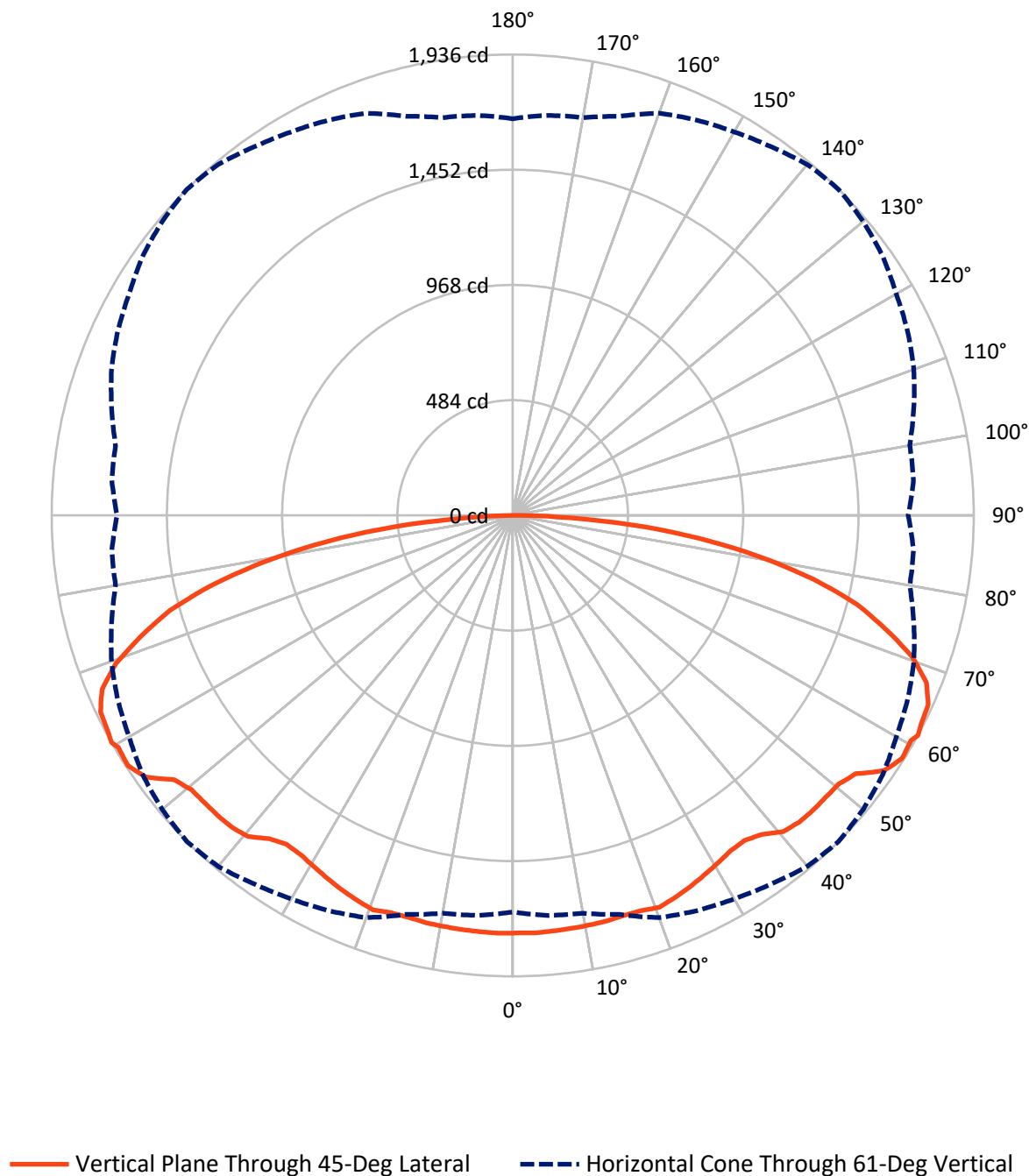


Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197625

CATALOG NUMBER: TT-C6-LED-E1-MQ-MS/DIM-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P197625

CATALOG NUMBER: TT-C6-LED-E1-MQ-MS/DIM-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4526.2	0.0	4526.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4526.2	0.0	4526.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9052.4	0.0	9052.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	1.8
10°-20°	494.7	5.5
20°-30°	795.9	8.8
30°-40°	1054.4	11.6
40°-50°	1331.5	14.7
50°-60°	1595.4	17.6
60°-70°	1744.4	19.3
70°-80°	1396.4	15.4
80°-90°	472.5	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°	9052.4	100.0
0°-180°	9052.4	100.0

Coefficient of Utilization



REPORT NUMBER: P197625

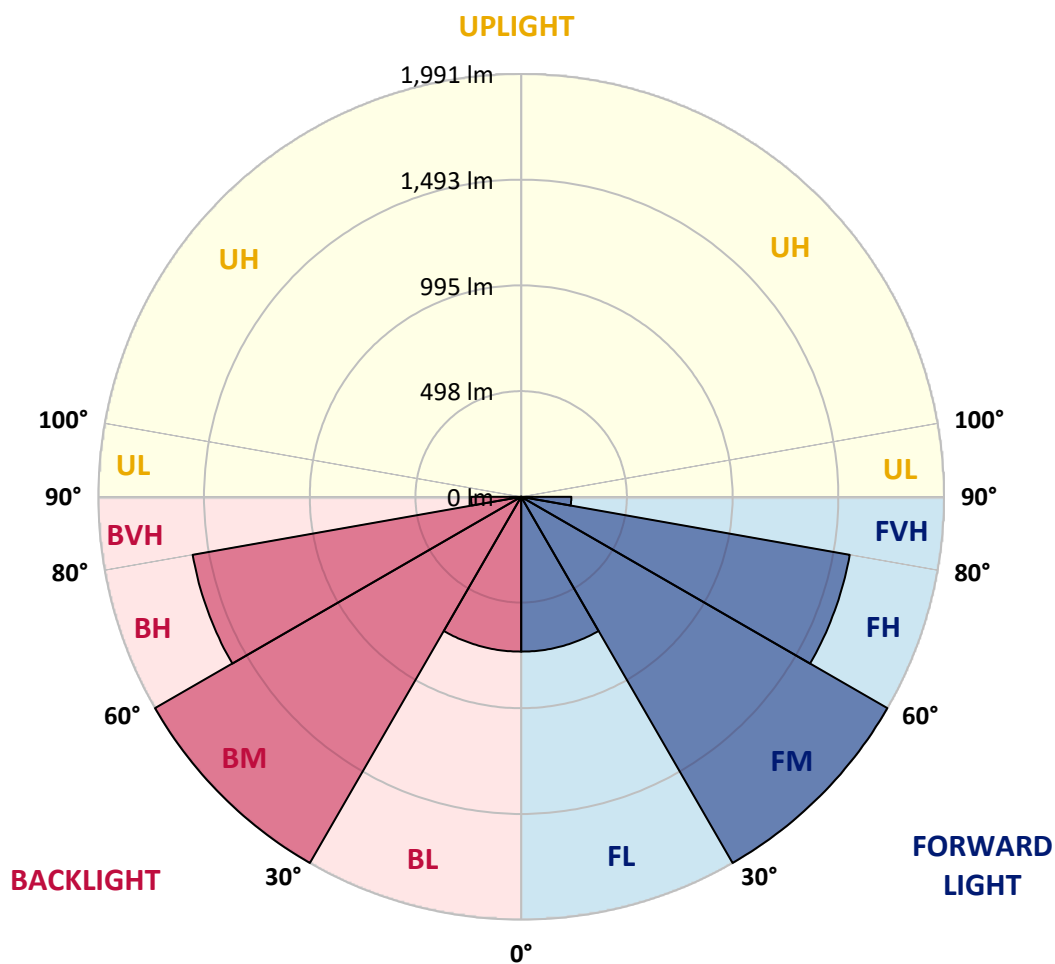
CATALOG NUMBER: TT-C6-LED-E1-MQ-MS/DIM-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	728.9	8.1			
FM	(30°-60°)	1990.6	22.0			
FH	(60°-80°)	1570.4	17.3			G1/1800
FVH	(80°-90°)	236.2	2.6			G3/500
BL	(0°-30°)	728.9	8.1	B2/1000		
BM	(30°-60°)	1990.6	22.0	B2/2500		
BH	(60°-80°)	1570.4	17.3	B3/2500		G1/1800
BVH	(80°-90°)	236.2	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



REPORT NUMBER: P197625

CATALOG NUMBER: TT-C6-LED-E1-MQ-MS/DIM-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9
2.5°	1755.6	1753.9	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6
5°	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9
7.5°	1752.2	1752.2	1752.2	1752.2	1752.2	1752.2	1752.2	1752.2	1753.9	1752.2	1753.9
10°	1748.9	1748.9	1748.9	1748.9	1750.4	1750.4	1750.4	1750.4	1750.4	1750.4	1750.4
12.5°	1745.4	1745.4	1745.4	1745.4	1747.2	1747.2	1747.2	1747.2	1748.9	1748.9	1747.2
15°	1742.0	1740.4	1740.4	1742.0	1742.0	1743.7	1743.7	1743.7	1745.4	1743.7	1743.7
17.5°	1738.7	1737.0	1738.7	1740.4	1740.4	1742.0	1743.7	1743.7	1745.4	1745.4	1745.4
20°	1743.7	1742.0	1743.7	1745.4	1747.2	1750.4	1752.2	1753.9	1755.6	1757.2	1757.2
22.5°	1733.7	1732.0	1733.7	1733.7	1735.3	1737.0	1740.4	1742.0	1743.7	1743.7	1743.7
25°	1718.5	1718.5	1720.1	1720.1	1721.8	1723.5	1725.2	1726.8	1726.8	1728.5	1726.8
27.5°	1701.6	1701.6	1703.3	1703.3	1706.6	1706.6	1708.3	1710.1	1711.6	1711.6	1711.6
30°	1681.3	1681.3	1683.0	1684.7	1688.2	1689.7	1691.4	1693.2	1694.9	1694.9	1694.9
32.5°	1662.8	1661.1	1662.8	1666.1	1671.3	1674.5	1678.0	1679.7	1679.7	1679.7	1681.3
35°	1647.6	1649.4	1652.6	1656.1	1662.8	1666.1	1669.5	1674.5	1676.3	1676.3	1676.3
37.5°	1650.9	1652.6	1657.8	1664.5	1673.0	1683.0	1689.7	1696.4	1701.6	1699.9	1698.2
40°	1673.0	1676.3	1684.7	1694.9	1708.3	1721.8	1732.0	1740.4	1745.4	1747.2	1745.4
42.5°	1676.3	1679.7	1686.4	1701.6	1716.8	1732.0	1745.4	1753.9	1760.6	1762.3	1760.6
45°	1674.5	1674.5	1684.7	1701.6	1716.8	1732.0	1748.9	1760.6	1767.3	1767.3	1767.3
47.5°	1662.8	1667.8	1674.5	1691.4	1711.6	1726.8	1743.7	1755.6	1763.9	1769.1	1763.9
50°	1662.8	1662.8	1674.5	1686.4	1704.9	1732.0	1755.6	1767.3	1775.8	1774.1	1775.8
52.5°	1659.4	1669.5	1676.3	1693.2	1726.8	1753.9	1772.3	1789.2	1801.1	1802.7	1799.4
55°	1689.7	1691.4	1706.6	1738.7	1770.8	1801.1	1834.8	1860.1	1880.3	1892.2	1875.3
57.5°	1713.3	1704.9	1735.3	1762.3	1799.4	1845.0	1895.5	1915.7	1930.9	1927.6	1932.6
60°	1681.3	1693.2	1715.1	1743.7	1802.7	1848.2	1875.3	1897.2	1915.7	1920.9	1914.1
61°	1666.1	1686.4	1696.4	1735.3	1797.7	1831.5	1860.1	1890.5	1924.1	1936.0	1920.9
62.5°	1640.9	1673.0	1669.5	1732.0	1770.8	1809.4	1863.4	1898.9	1922.6	1925.9	1922.6
65°	1642.6	1637.5	1676.3	1721.8	1760.6	1829.8	1875.3	1897.2	1910.7	1917.4	1914.1
67.5°	1588.6	1571.7	1619.0	1650.9	1716.8	1770.8	1814.6	1846.7	1866.9	1873.6	1865.1
70°	1463.8	1475.7	1509.3	1558.3	1612.3	1678.0	1718.5	1760.6	1777.5	1779.1	1779.1
72.5°	1344.0	1350.8	1384.6	1430.1	1492.4	1549.8	1590.2	1624.0	1639.2	1640.9	1644.2
75°	1185.5	1192.3	1231.1	1273.2	1335.6	1384.6	1413.2	1453.7	1475.7	1494.1	1478.9
77.5°	1001.7	1013.6	1043.9	1089.4	1146.7	1173.8	1224.3	1271.6	1286.8	1291.8	1286.8
80°	794.3	809.5	836.4	897.1	922.5	966.3	1015.3	1035.5	1048.9	1052.4	1053.9
82.5°	571.6	583.5	612.2	654.3	683.1	718.4	752.1	777.4	792.6	789.3	787.6
85°	337.2	340.7	371.0	399.7	421.6	443.5	470.6	489.0	492.5	499.2	497.5
87.5°	101.3	102.8	116.4	131.6	141.6	151.8	168.7	190.6	195.6	182.1	183.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P197625

CATALOG NUMBER: TT-C6-LED-E1-MQ-MS/DIM-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9
2.5°	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1753.9	1755.6
5°	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9
7.5°	1753.9	1752.2	1752.2	1752.2	1752.2	1752.2	1752.2	1752.2
10°	1750.4	1750.4	1750.4	1750.4	1748.9	1748.9	1748.9	1748.9
12.5°	1747.2	1747.2	1747.2	1747.2	1745.4	1745.4	1745.4	1745.4
15°	1743.7	1743.7	1743.7	1743.7	1742.0	1742.0	1742.0	1742.0
17.5°	1745.4	1743.7	1742.0	1742.0	1740.4	1738.7	1738.7	1738.7
20°	1755.6	1753.9	1750.4	1747.2	1745.4	1743.7	1743.7	1743.7
22.5°	1742.0	1740.4	1737.0	1735.3	1735.3	1733.7	1732.0	1732.0
25°	1726.8	1723.5	1723.5	1721.8	1721.8	1718.5	1718.5	1716.8
27.5°	1710.1	1708.3	1706.6	1704.9	1704.9	1703.3	1701.6	1699.9
30°	1694.9	1691.4	1688.2	1686.4	1684.7	1683.0	1683.0	1683.0
32.5°	1679.7	1676.3	1674.5	1669.5	1666.1	1664.5	1662.8	1662.8
35°	1674.5	1669.5	1666.1	1661.1	1656.1	1652.6	1650.9	1647.6
37.5°	1694.9	1688.2	1683.0	1674.5	1662.8	1657.8	1652.6	1650.9
40°	1738.7	1732.0	1721.8	1708.3	1694.9	1684.7	1676.3	1673.0
42.5°	1753.9	1745.4	1732.0	1718.5	1701.6	1686.4	1679.7	1676.3
45°	1758.9	1750.4	1732.0	1715.1	1699.9	1686.4	1676.3	1673.0
47.5°	1753.9	1742.0	1725.2	1711.6	1689.7	1673.0	1666.1	1661.1
50°	1765.6	1755.6	1733.7	1703.3	1684.7	1674.5	1662.8	1661.1
52.5°	1789.2	1770.8	1750.4	1728.5	1693.2	1673.0	1666.1	1657.8
55°	1860.1	1834.8	1799.4	1763.9	1742.0	1710.1	1689.7	1689.7
57.5°	1914.1	1893.8	1848.2	1801.1	1760.6	1737.0	1706.6	1708.3
60°	1898.9	1871.9	1850.0	1802.7	1745.4	1713.3	1701.6	1679.7
61°	1897.2	1860.1	1829.8	1792.7	1743.7	1693.2	1689.7	1661.1
62.5°	1900.5	1866.9	1809.4	1770.8	1733.7	1667.8	1666.1	1639.2
65°	1897.2	1865.1	1836.5	1763.9	1713.3	1686.4	1629.0	1650.9
67.5°	1845.0	1816.3	1763.9	1723.5	1645.9	1612.3	1580.2	1580.2
70°	1762.3	1720.1	1669.5	1619.0	1566.7	1509.3	1480.7	1463.8
72.5°	1624.0	1588.6	1548.1	1494.1	1430.1	1377.9	1350.8	1339.0
75°	1450.3	1411.5	1376.1	1335.6	1268.1	1224.3	1195.7	1187.3
77.5°	1268.1	1234.5	1172.1	1133.3	1087.7	1037.2	1011.8	1001.7
80°	1035.5	1016.8	973.0	910.6	888.7	826.4	809.5	794.3
82.5°	777.4	757.2	716.7	672.9	646.0	610.4	580.1	576.8
85°	489.0	475.6	450.2	418.3	384.5	364.3	337.2	343.9
87.5°	182.1	173.7	158.5	138.3	123.2	109.5	96.1	101.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)