

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: P197624

Luminaire Tested: **TT-C5-LED-E1-5MQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197624
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9230.4 lumens
Efficiency: N/A
Efficacy: 119.9 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

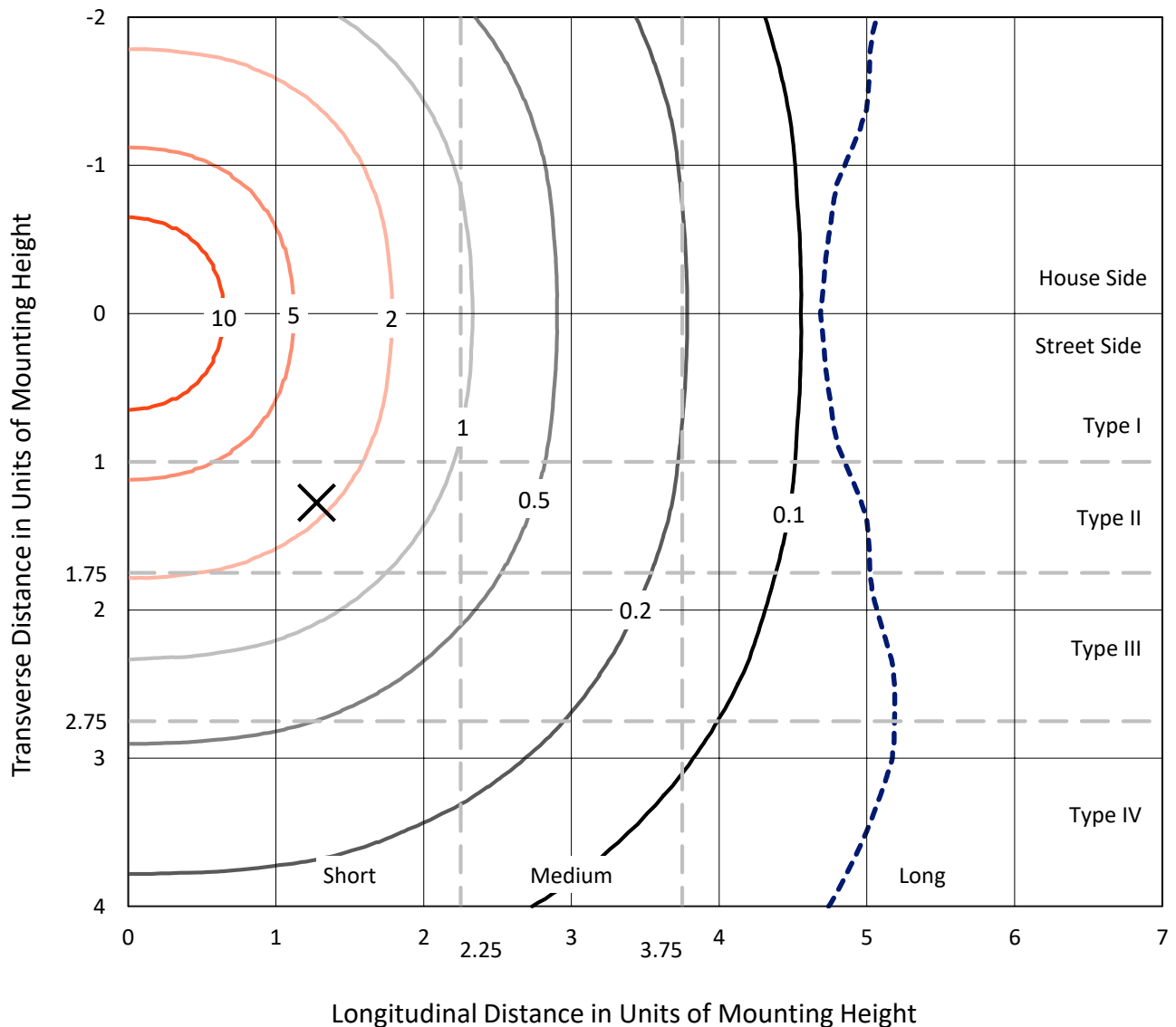


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

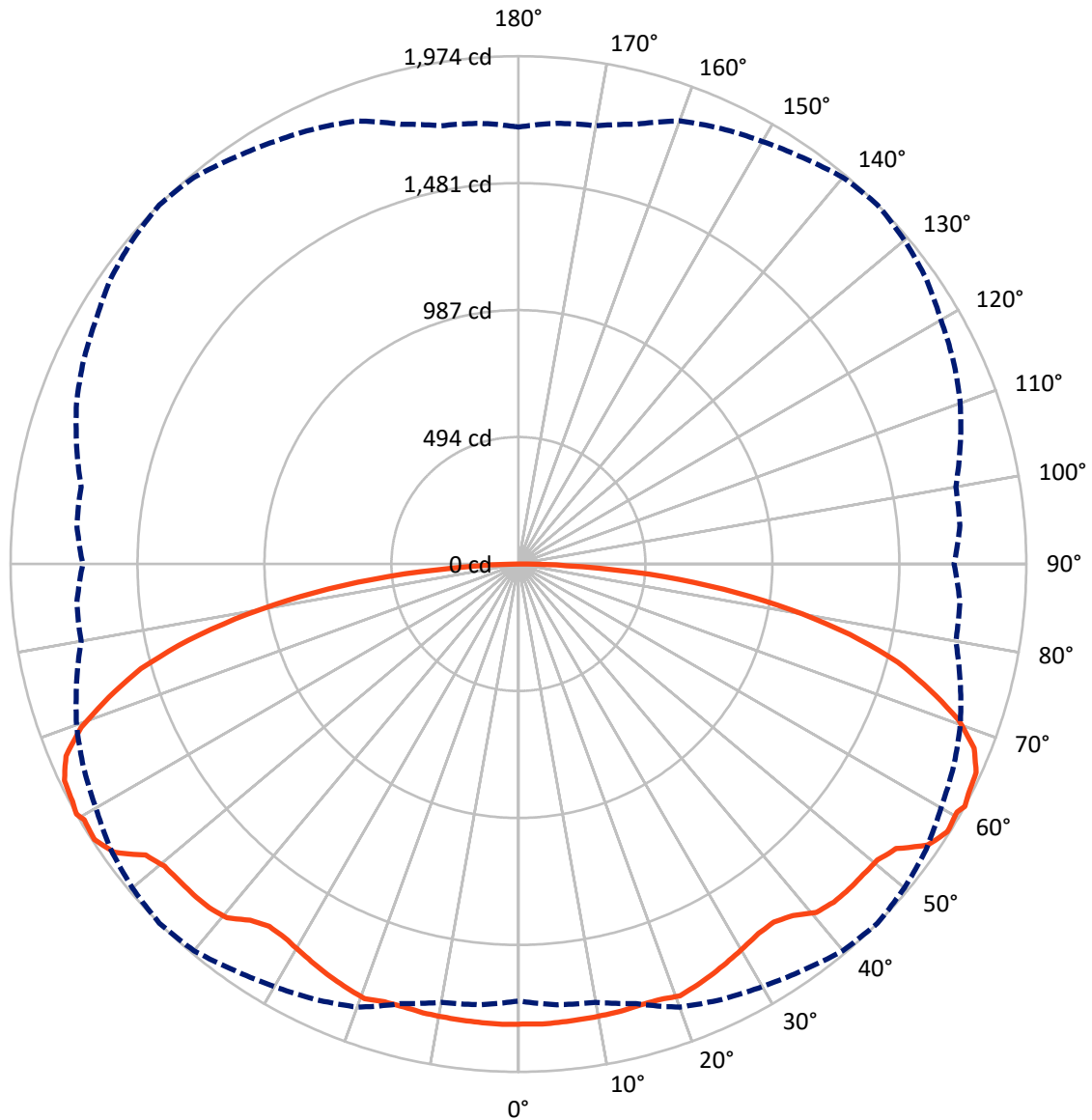


Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
 Type V - Short - Semi-Cutoff

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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	4615.2	0.0	4615.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4615.2	0.0	4615.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9230.4	0.0	9230.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	1.8
10°-20°	504.4	5.5
20°-30°	811.6	8.8
30°-40°	1075.1	11.6
40°-50°	1357.7	14.7
50°-60°	1626.7	17.6
60°-70°	1778.7	19.3
70°-80°	1423.9	15.4
80°-90°	481.7	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°	9230.4	100.0
0°-180°	9230.4	100.0



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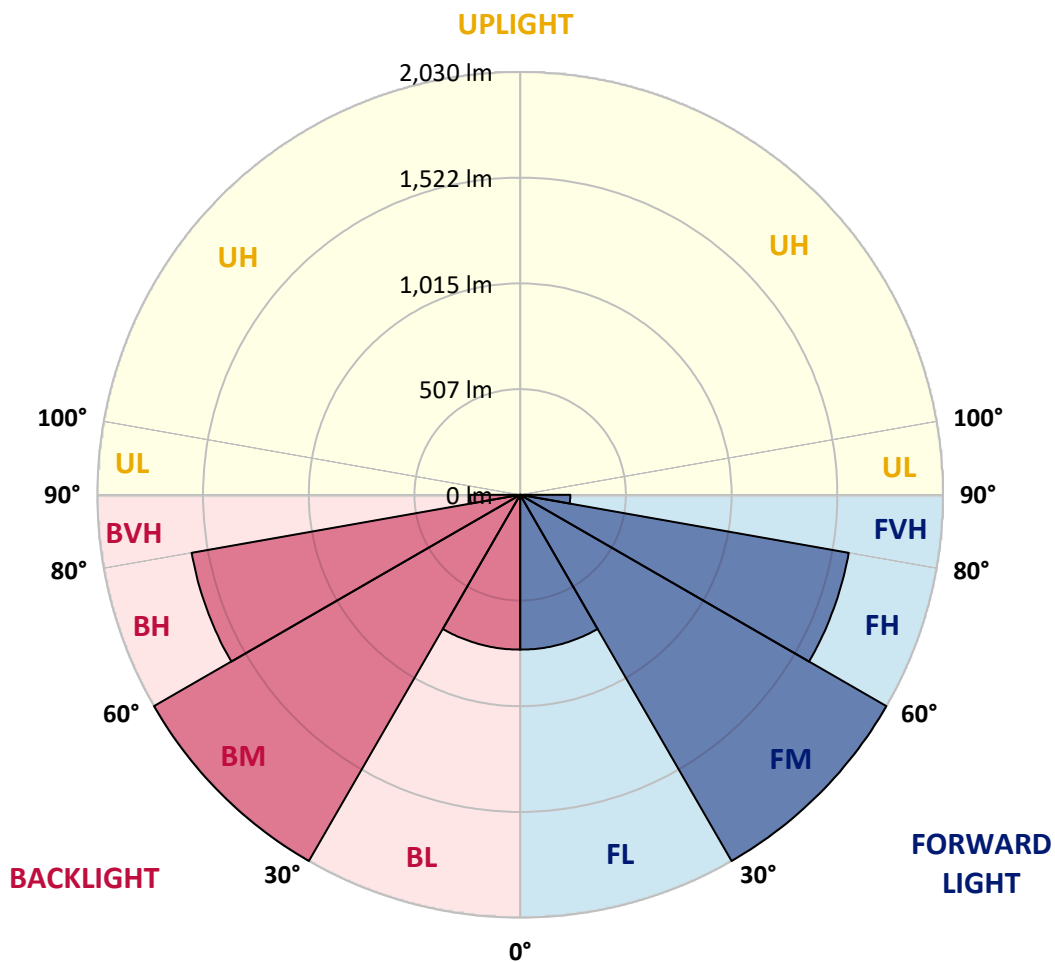
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.3	8.1			
FM (30°-60°)	2029.7	22.0			
FH (60°-80°)	1601.3	17.3			G1/1800
FVH (80°-90°)	240.9	2.6			G3/500
BL (0°-30°)	743.3	8.1	B2/1000		
BM (30°-60°)	2029.7	22.0	B2/2500		
BH (60°-80°)	1601.3	17.3	B3/2500		G1/1800
BVH (80°-90°)	240.9	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°	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4
2.5°	1790.1	1788.4	1790.1	1790.1	1790.1	1790.1	1790.1	1790.1	1790.1	1790.1	1790.1
5°	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4
7.5°	1786.6	1786.6	1786.6	1786.6	1786.6	1786.6	1786.6	1786.6	1788.4	1786.6	1788.4
10°	1783.3	1783.3	1783.3	1783.3	1784.8	1784.8	1784.8	1784.8	1784.8	1784.8	1784.8
12.5°	1779.7	1779.7	1779.7	1779.7	1781.5	1781.5	1781.5	1781.5	1783.3	1783.3	1781.5
15°	1776.2	1774.6	1774.6	1776.2	1776.2	1778.0	1778.0	1778.0	1779.7	1778.0	1778.0
17.5°	1772.9	1771.1	1772.9	1774.6	1774.6	1776.2	1778.0	1778.0	1779.7	1779.7	1779.7
20°	1778.0	1776.2	1778.0	1779.7	1781.5	1784.8	1786.6	1788.4	1790.1	1791.7	1791.7
22.5°	1767.8	1766.0	1767.8	1767.8	1769.4	1771.1	1774.6	1776.2	1778.0	1778.0	1778.0
25°	1752.3	1752.3	1753.9	1753.9	1755.6	1757.4	1759.2	1760.7	1760.7	1762.5	1760.7
27.5°	1735.1	1735.1	1736.8	1736.8	1740.2	1740.2	1741.9	1743.7	1745.3	1745.3	1745.3
30°	1714.3	1714.3	1716.1	1717.8	1721.3	1722.9	1724.7	1726.4	1728.2	1728.2	1728.2
32.5°	1695.5	1693.7	1695.5	1698.8	1704.1	1707.5	1711.0	1712.7	1712.7	1712.7	1714.3
35°	1680.0	1681.8	1685.1	1688.6	1695.5	1698.8	1702.4	1707.5	1709.2	1709.2	1709.2
37.5°	1683.4	1685.1	1690.4	1697.3	1705.9	1716.1	1722.9	1729.8	1735.1	1733.3	1731.5
40°	1705.9	1709.2	1717.8	1728.2	1741.9	1755.6	1766.0	1774.6	1779.7	1781.5	1779.7
42.5°	1709.2	1712.7	1719.6	1735.1	1750.5	1766.0	1779.7	1788.4	1795.2	1797.0	1795.2
45°	1707.5	1707.5	1717.8	1735.1	1750.5	1766.0	1783.3	1795.2	1802.1	1802.1	1802.1
47.5°	1695.5	1700.6	1707.5	1724.7	1745.3	1760.7	1778.0	1790.1	1798.6	1803.8	1798.6
50°	1695.5	1695.5	1707.5	1719.6	1738.4	1766.0	1790.1	1802.1	1810.7	1808.9	1810.7
52.5°	1692.0	1702.4	1709.2	1726.4	1760.7	1788.4	1807.2	1824.4	1836.5	1838.1	1834.8
55°	1722.9	1724.7	1740.2	1772.9	1805.6	1836.5	1870.8	1896.7	1917.3	1929.4	1912.2
57.5°	1747.0	1738.4	1769.4	1797.0	1834.8	1881.2	1932.8	1953.3	1968.8	1965.5	1970.6
60°	1714.3	1726.4	1748.8	1778.0	1838.1	1884.6	1912.2	1934.5	1953.3	1958.6	1951.8
61°	1698.8	1719.6	1729.8	1769.4	1833.0	1867.5	1896.7	1927.7	1962.0	1974.1	1958.6
62.5°	1673.2	1705.9	1702.4	1766.0	1805.6	1845.0	1900.0	1936.3	1960.4	1963.7	1960.4
65°	1674.9	1669.6	1709.2	1755.6	1795.2	1865.7	1912.2	1934.5	1948.2	1955.1	1951.8
67.5°	1619.9	1602.6	1650.8	1683.4	1750.5	1805.6	1850.3	1883.0	1903.6	1910.4	1901.8
70°	1492.5	1504.7	1539.0	1588.9	1644.0	1711.0	1752.3	1795.2	1812.5	1814.0	1814.0
72.5°	1370.5	1377.3	1411.8	1458.2	1521.7	1580.3	1621.4	1655.9	1671.4	1673.2	1676.5
75°	1208.8	1215.7	1255.3	1298.2	1361.8	1411.8	1441.0	1482.3	1504.7	1523.5	1508.0
77.5°	1021.3	1033.5	1064.4	1110.9	1169.3	1196.9	1248.4	1296.6	1312.1	1317.2	1312.1
80°	809.9	825.4	852.8	914.8	940.6	985.3	1035.2	1055.8	1069.5	1073.0	1074.6
82.5°	582.9	595.0	624.2	667.1	696.5	732.5	766.8	792.7	808.2	804.8	803.1
85°	343.8	347.4	378.3	407.5	429.9	452.2	479.8	498.6	502.1	509.0	507.2
87.5°	103.2	104.8	118.7	134.2	144.4	154.8	172.0	194.3	199.4	185.7	187.5
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°	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4
2.5°	1790.1	1790.1	1790.1	1790.1	1790.1	1790.1	1788.4	1790.1
5°	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4
7.5°	1788.4	1786.6	1786.6	1786.6	1786.6	1786.6	1786.6	1786.6
10°	1784.8	1784.8	1784.8	1784.8	1783.3	1783.3	1783.3	1783.3
12.5°	1781.5	1781.5	1781.5	1781.5	1779.7	1779.7	1779.7	1779.7
15°	1778.0	1778.0	1778.0	1778.0	1776.2	1776.2	1776.2	1776.2
17.5°	1779.7	1778.0	1776.2	1776.2	1774.6	1772.9	1772.9	1772.9
20°	1790.1	1788.4	1784.8	1781.5	1779.7	1778.0	1778.0	1778.0
22.5°	1776.2	1774.6	1771.1	1769.4	1769.4	1767.8	1766.0	1766.0
25°	1760.7	1757.4	1757.4	1755.6	1755.6	1752.3	1752.3	1750.5
27.5°	1743.7	1741.9	1740.2	1738.4	1738.4	1736.8	1735.1	1733.3
30°	1728.2	1724.7	1721.3	1719.6	1717.8	1716.1	1716.1	1716.1
32.5°	1712.7	1709.2	1707.5	1702.4	1698.8	1697.3	1695.5	1695.5
35°	1707.5	1702.4	1698.8	1693.7	1688.6	1685.1	1683.4	1680.0
37.5°	1728.2	1721.3	1716.1	1707.5	1695.5	1690.4	1685.1	1683.4
40°	1772.9	1766.0	1755.6	1741.9	1728.2	1717.8	1709.2	1705.9
42.5°	1788.4	1779.7	1766.0	1752.3	1735.1	1719.6	1712.7	1709.2
45°	1793.5	1784.8	1766.0	1748.8	1733.3	1719.6	1709.2	1705.9
47.5°	1788.4	1776.2	1759.2	1745.3	1722.9	1705.9	1698.8	1693.7
50°	1800.3	1790.1	1767.8	1736.8	1717.8	1707.5	1695.5	1693.7
52.5°	1824.4	1805.6	1784.8	1762.5	1726.4	1705.9	1698.8	1690.4
55°	1896.7	1870.8	1834.8	1798.6	1776.2	1743.7	1722.9	1722.9
57.5°	1951.8	1931.0	1884.6	1836.5	1795.2	1771.1	1740.2	1741.9
60°	1936.3	1908.7	1886.3	1838.1	1779.7	1747.0	1735.1	1712.7
61°	1934.5	1896.7	1865.7	1827.9	1778.0	1726.4	1722.9	1693.7
62.5°	1937.9	1903.6	1845.0	1805.6	1767.8	1700.6	1698.8	1671.4
65°	1934.5	1901.8	1872.6	1798.6	1747.0	1719.6	1661.0	1683.4
67.5°	1881.2	1852.0	1798.6	1757.4	1678.3	1644.0	1611.2	1611.2
70°	1797.0	1753.9	1702.4	1650.8	1597.5	1539.0	1509.8	1492.5
72.5°	1655.9	1619.9	1578.5	1523.5	1458.2	1404.9	1377.3	1365.4
75°	1478.8	1439.2	1403.2	1361.8	1293.1	1248.4	1219.2	1210.6
77.5°	1293.1	1258.8	1195.1	1155.5	1109.1	1057.6	1031.7	1021.3
80°	1055.8	1036.8	992.1	928.5	906.1	842.6	825.4	809.9
82.5°	792.7	772.1	730.8	686.1	658.7	622.4	591.5	588.1
85°	498.6	484.9	459.0	426.5	392.0	371.5	343.8	350.7
87.5°	185.7	177.1	161.6	141.1	125.6	111.7	98.0	103.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)