

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: P197720

Luminaire Tested: **TT-C5-LED-E1-5MQ-PM-CG-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115348)  
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-CG-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS  
Light Source: (160) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8380.1 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G2

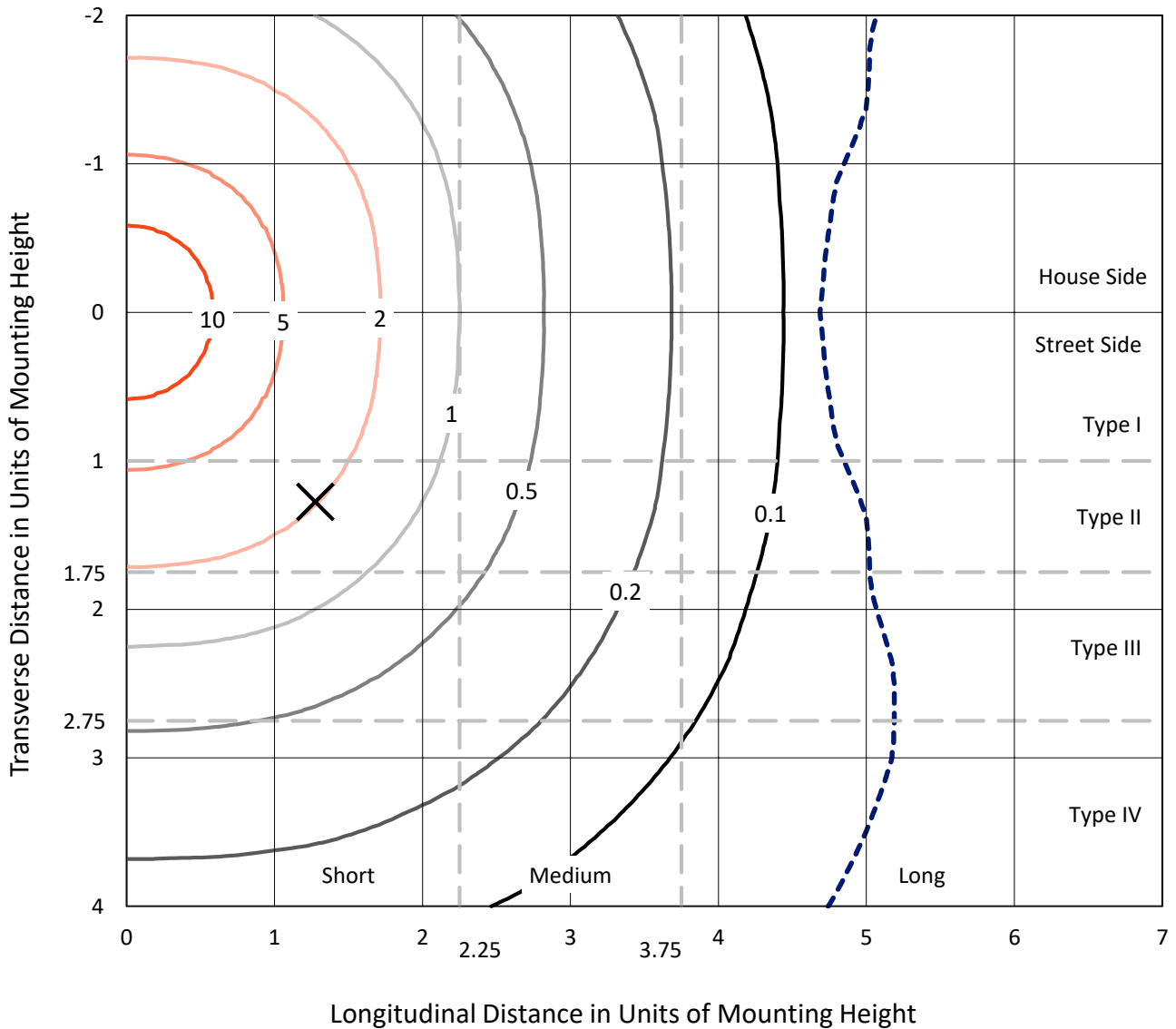
Input Watts (W): 77  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

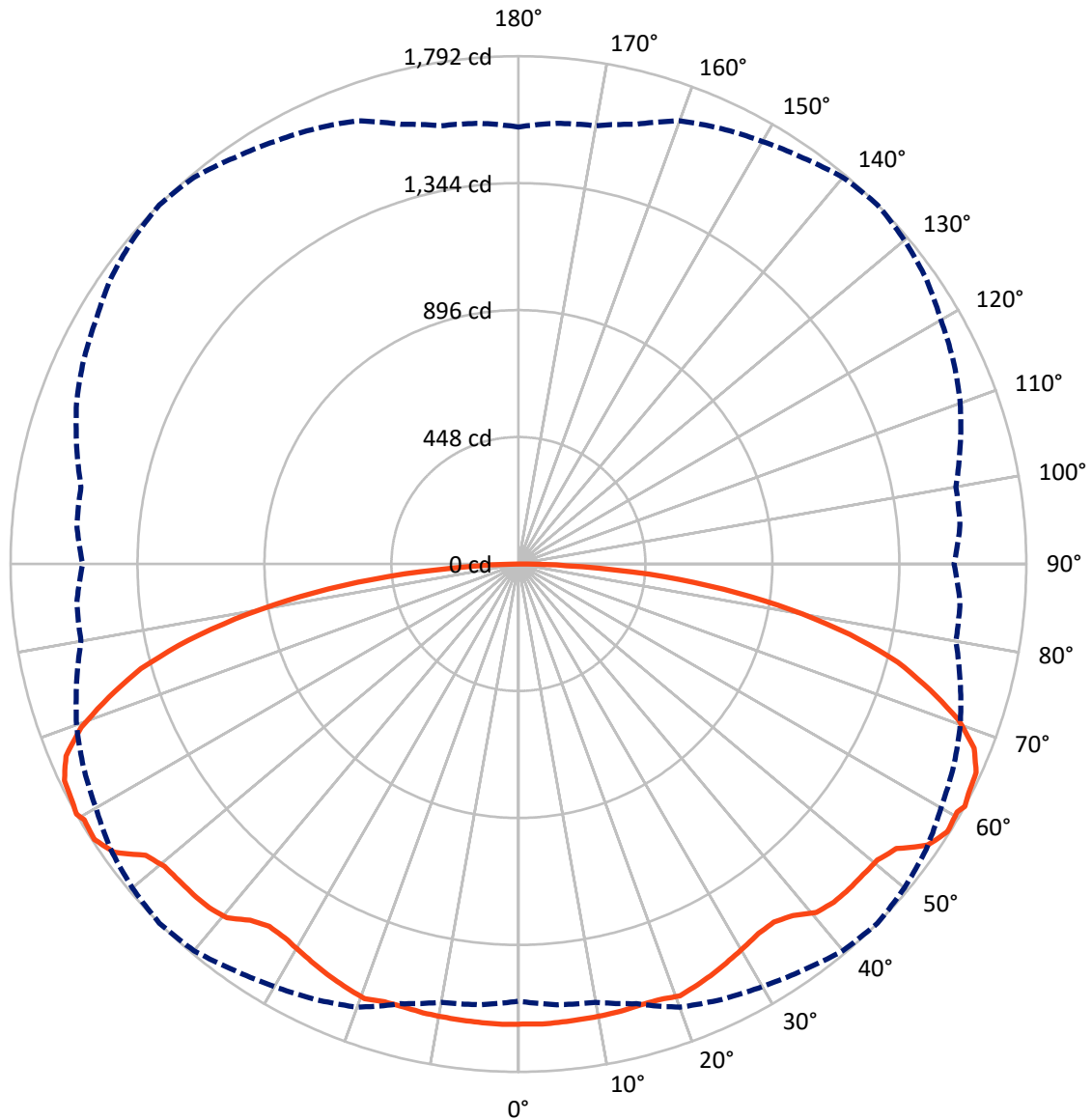
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 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	4190.1	0.0	4190.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4190.1	0.0	4190.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8380.1	0.0	8380.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.9	1.8
10°-20°	457.9	5.5
20°-30°	736.8	8.8
30°-40°	976.1	11.6
40°-50°	1232.6	14.7
50°-60°	1476.9	17.6
60°-70°	1614.9	19.3
70°-80°	1292.7	15.4
80°-90°	437.4	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°	8380.1	100.0
0°-180°	8380.1	100.0



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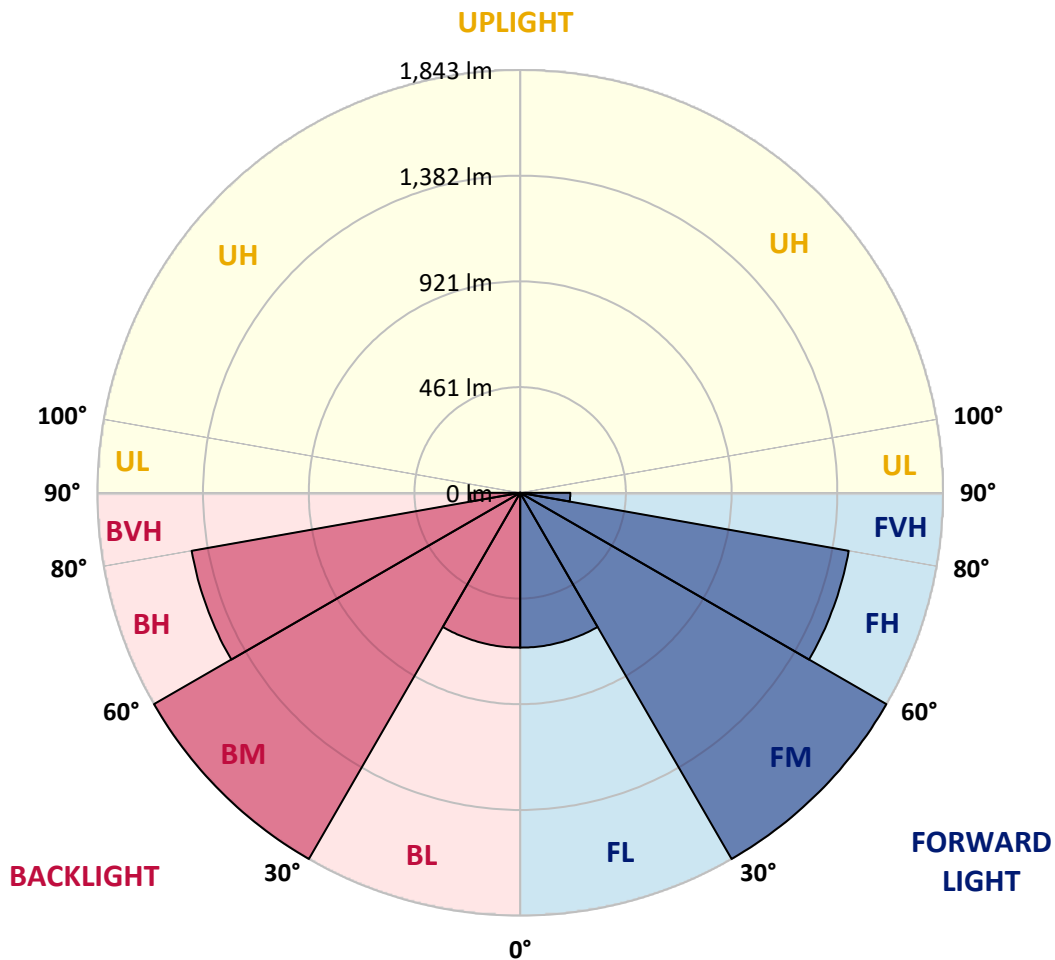
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.8	8.1			
FM (30°-60°)	1842.8	22.0			
FH (60°-80°)	1453.8	17.3			G1/1800
FVH (80°-90°)	218.7	2.6			G2/225
BL (0°-30°)	674.8	8.1	B2/1000		
BM (30°-60°)	1842.8	22.0	B2/2500		
BH (60°-80°)	1453.8	17.3	B3/2500		G1/1800
BVH (80°-90°)	218.7	2.6			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°	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6
2.5°	1625.1	1623.6	1625.1	1625.1	1625.1	1625.1	1625.1	1625.1	1625.1	1625.1	1625.1
5°	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6
7.5°	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1623.6	1622.0	1623.6
10°	1619.0	1619.0	1619.0	1619.0	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
12.5°	1615.8	1615.8	1615.8	1615.8	1617.4	1617.4	1617.4	1617.4	1619.0	1619.0	1617.4
15°	1612.7	1611.1	1611.1	1612.7	1612.7	1614.2	1614.2	1614.2	1615.8	1614.2	1614.2
17.5°	1609.5	1607.9	1609.5	1611.1	1611.1	1612.7	1614.2	1614.2	1615.8	1615.8	1615.8
20°	1614.2	1612.7	1614.2	1615.8	1617.4	1620.4	1622.0	1623.6	1625.1	1626.7	1626.7
22.5°	1604.9	1603.3	1604.9	1604.9	1606.5	1607.9	1611.1	1612.7	1614.2	1614.2	1614.2
25°	1590.8	1590.8	1592.4	1592.4	1594.0	1595.4	1597.0	1598.6	1598.6	1600.2	1598.6
27.5°	1575.2	1575.2	1576.8	1576.8	1579.9	1579.9	1581.5	1582.9	1584.5	1584.5	1584.5
30°	1556.5	1556.5	1558.0	1559.5	1562.7	1564.3	1565.9	1567.5	1569.0	1569.0	1569.0
32.5°	1539.3	1537.7	1539.3	1542.5	1547.1	1550.2	1553.4	1555.0	1555.0	1555.0	1556.5
35°	1525.2	1526.8	1530.0	1533.0	1539.3	1542.5	1545.5	1550.2	1551.8	1551.8	1551.8
37.5°	1528.4	1530.0	1534.6	1540.9	1548.6	1558.0	1564.3	1570.4	1575.2	1573.6	1572.0
40°	1548.6	1551.8	1559.5	1569.0	1581.5	1594.0	1603.3	1611.1	1615.8	1617.4	1615.8
42.5°	1551.8	1555.0	1561.1	1575.2	1589.3	1603.3	1615.8	1623.6	1629.9	1631.5	1629.9
45°	1550.2	1550.2	1559.5	1575.2	1589.3	1603.3	1619.0	1629.9	1636.0	1636.0	1636.0
47.5°	1539.3	1544.1	1550.2	1565.9	1584.5	1598.6	1614.2	1625.1	1632.9	1637.6	1632.9
50°	1539.3	1539.3	1550.2	1561.1	1578.4	1603.3	1625.1	1636.0	1644.0	1642.4	1644.0
52.5°	1536.1	1545.5	1551.8	1567.5	1598.6	1623.6	1640.8	1656.4	1667.4	1668.9	1665.8
55°	1564.3	1565.9	1579.9	1609.5	1639.2	1667.4	1698.5	1721.9	1740.7	1751.6	1735.9
57.5°	1586.1	1578.4	1606.5	1631.5	1665.8	1708.0	1754.8	1773.4	1787.5	1784.3	1789.1
60°	1556.5	1567.5	1587.7	1614.2	1668.9	1711.0	1735.9	1756.3	1773.4	1778.2	1771.8
61°	1542.5	1561.1	1570.4	1606.5	1664.2	1695.5	1721.9	1750.0	1781.3	1792.2	1778.2
62.5°	1519.1	1548.6	1545.5	1603.3	1639.2	1675.1	1725.0	1757.9	1779.7	1782.9	1779.7
65°	1520.5	1515.9	1551.8	1594.0	1629.9	1693.9	1735.9	1756.3	1768.8	1775.0	1771.8
67.5°	1470.5	1455.1	1498.7	1528.4	1589.3	1639.2	1679.8	1709.4	1728.2	1734.4	1726.6
70°	1355.2	1366.1	1397.2	1442.6	1492.5	1553.4	1590.8	1629.9	1645.4	1647.0	1647.0
72.5°	1244.2	1250.5	1281.6	1323.9	1381.5	1434.7	1472.1	1503.4	1517.5	1519.1	1522.1
75°	1097.5	1103.7	1139.7	1178.8	1236.4	1281.6	1308.2	1345.7	1366.1	1383.1	1369.1
77.5°	927.2	938.3	966.3	1008.5	1061.6	1086.6	1133.4	1177.2	1191.2	1195.8	1191.2
80°	735.4	749.4	774.4	830.5	853.9	894.5	939.7	958.6	971.0	974.2	975.8
82.5°	529.2	540.1	566.7	605.7	632.3	665.0	696.3	719.7	733.8	730.6	729.0
85°	312.2	315.4	343.5	370.1	390.3	410.5	435.5	452.7	455.9	462.0	460.5
87.5°	93.7	95.2	107.6	121.7	131.2	140.5	156.2	176.4	181.2	168.7	170.3
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°	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6
2.5°	1625.1	1625.1	1625.1	1625.1	1625.1	1625.1	1623.6	1625.1
5°	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6	1623.6
7.5°	1623.6	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0
10°	1620.4	1620.4	1620.4	1620.4	1619.0	1619.0	1619.0	1619.0
12.5°	1617.4	1617.4	1617.4	1617.4	1615.8	1615.8	1615.8	1615.8
15°	1614.2	1614.2	1614.2	1614.2	1612.7	1612.7	1612.7	1612.7
17.5°	1615.8	1614.2	1612.7	1612.7	1611.1	1609.5	1609.5	1609.5
20°	1625.1	1623.6	1620.4	1617.4	1615.8	1614.2	1614.2	1614.2
22.5°	1612.7	1611.1	1607.9	1606.5	1606.5	1604.9	1603.3	1603.3
25°	1598.6	1595.4	1595.4	1594.0	1594.0	1590.8	1590.8	1589.3
27.5°	1582.9	1581.5	1579.9	1578.4	1578.4	1576.8	1575.2	1573.6
30°	1569.0	1565.9	1562.7	1561.1	1559.5	1558.0	1558.0	1558.0
32.5°	1555.0	1551.8	1550.2	1545.5	1542.5	1540.9	1539.3	1539.3
35°	1550.2	1545.5	1542.5	1537.7	1533.0	1530.0	1528.4	1525.2
37.5°	1569.0	1562.7	1558.0	1550.2	1539.3	1534.6	1530.0	1528.4
40°	1609.5	1603.3	1594.0	1581.5	1569.0	1559.5	1551.8	1548.6
42.5°	1623.6	1615.8	1603.3	1590.8	1575.2	1561.1	1555.0	1551.8
45°	1628.3	1620.4	1603.3	1587.7	1573.6	1561.1	1551.8	1548.6
47.5°	1623.6	1612.7	1597.0	1584.5	1564.3	1548.6	1542.5	1537.7
50°	1634.5	1625.1	1604.9	1576.8	1559.5	1550.2	1539.3	1537.7
52.5°	1656.4	1639.2	1620.4	1600.2	1567.5	1548.6	1542.5	1534.6
55°	1721.9	1698.5	1665.8	1632.9	1612.7	1582.9	1564.3	1564.3
57.5°	1771.8	1753.2	1711.0	1667.4	1629.9	1607.9	1579.9	1581.5
60°	1757.9	1733.0	1712.6	1668.9	1615.8	1586.1	1575.2	1555.0
61°	1756.3	1721.9	1693.9	1659.4	1614.2	1567.5	1564.3	1537.7
62.5°	1759.3	1728.2	1675.1	1639.2	1604.9	1544.1	1542.5	1517.5
65°	1756.3	1726.6	1700.1	1632.9	1586.1	1561.1	1508.0	1528.4
67.5°	1708.0	1681.4	1632.9	1595.4	1523.7	1492.5	1462.8	1462.8
70°	1631.5	1592.4	1545.5	1498.7	1450.3	1397.2	1370.6	1355.2
72.5°	1503.4	1470.5	1433.1	1383.1	1323.9	1275.5	1250.5	1239.6
75°	1342.7	1306.6	1273.9	1236.4	1174.0	1133.4	1106.8	1099.1
77.5°	1174.0	1142.7	1085.0	1049.1	1006.9	960.1	936.7	927.2
80°	958.6	941.3	900.9	843.0	822.8	764.9	749.4	735.4
82.5°	719.7	700.9	663.4	623.0	598.0	565.1	537.0	534.0
85°	452.7	440.2	416.8	387.1	356.0	337.2	312.2	318.5
87.5°	168.7	160.8	146.7	128.0	114.0	101.5	89.0	93.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)