

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: P197548

Luminaire Tested: **TT-C4-LED-E1-5CQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197548  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C4-LED-E1-5CQ-PM-MS/DIM-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED 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: 6989.2 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

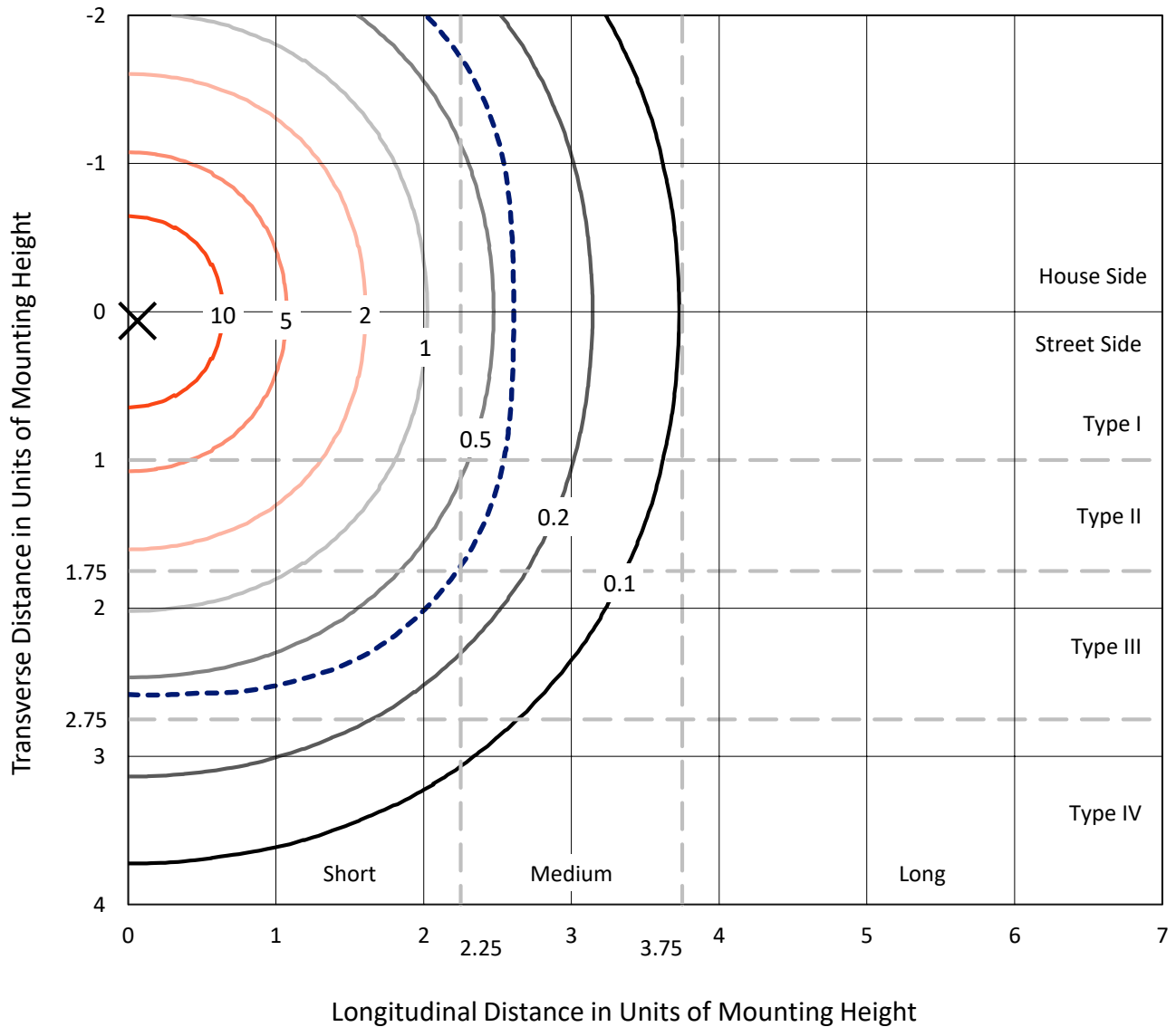
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

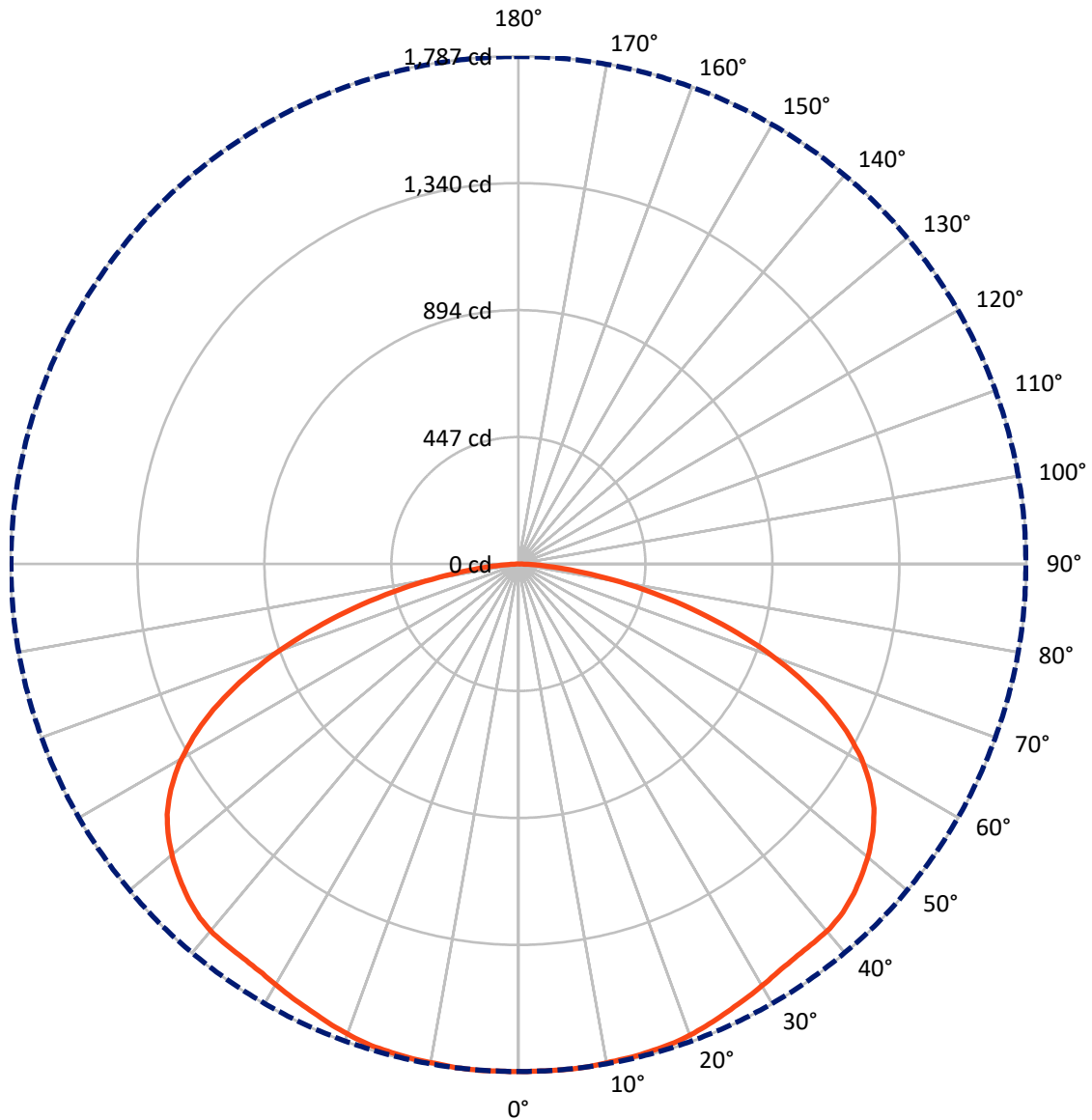
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

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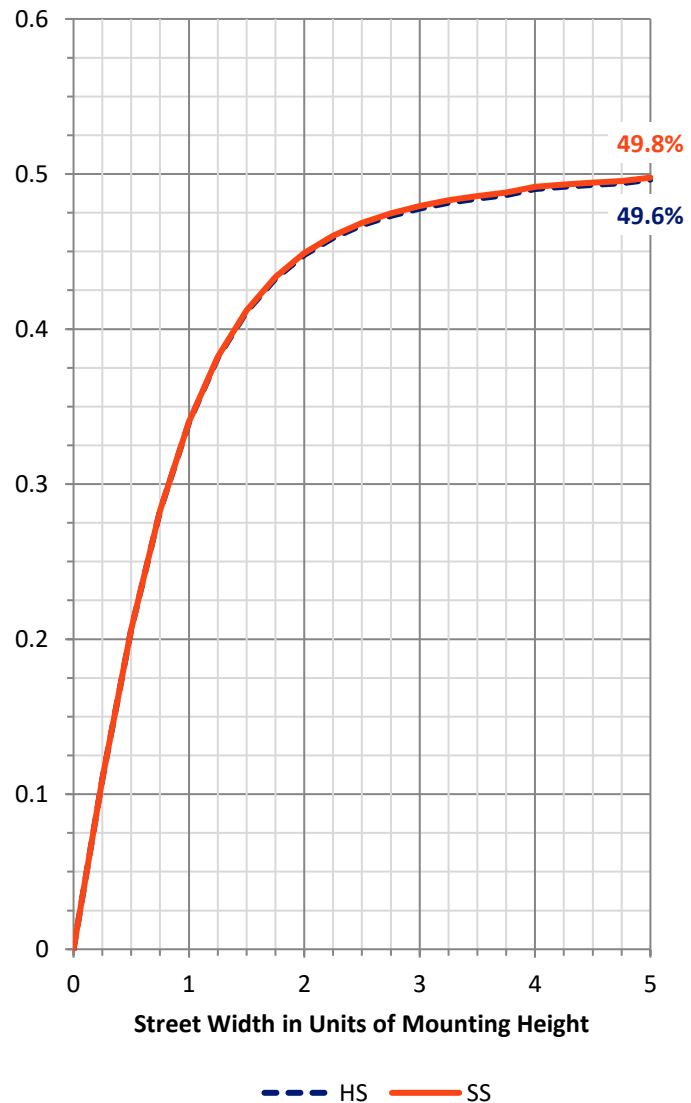
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3494.6	0.0	3494.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3494.6	0.0	3494.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6989.2	0.0	6989.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.3	2.4
10°-20°	502.3	7.2
20°-30°	801.7	11.5
30°-40°	1055.9	15.1
40°-50°	1256.1	18.0
50°-60°	1314.6	18.8
60°-70°	1117.9	16.0
70°-80°	635.3	9.1
80°-90°	135.1	1.9
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°	6989.2	100.0
0°-180°	6989.2	100.0



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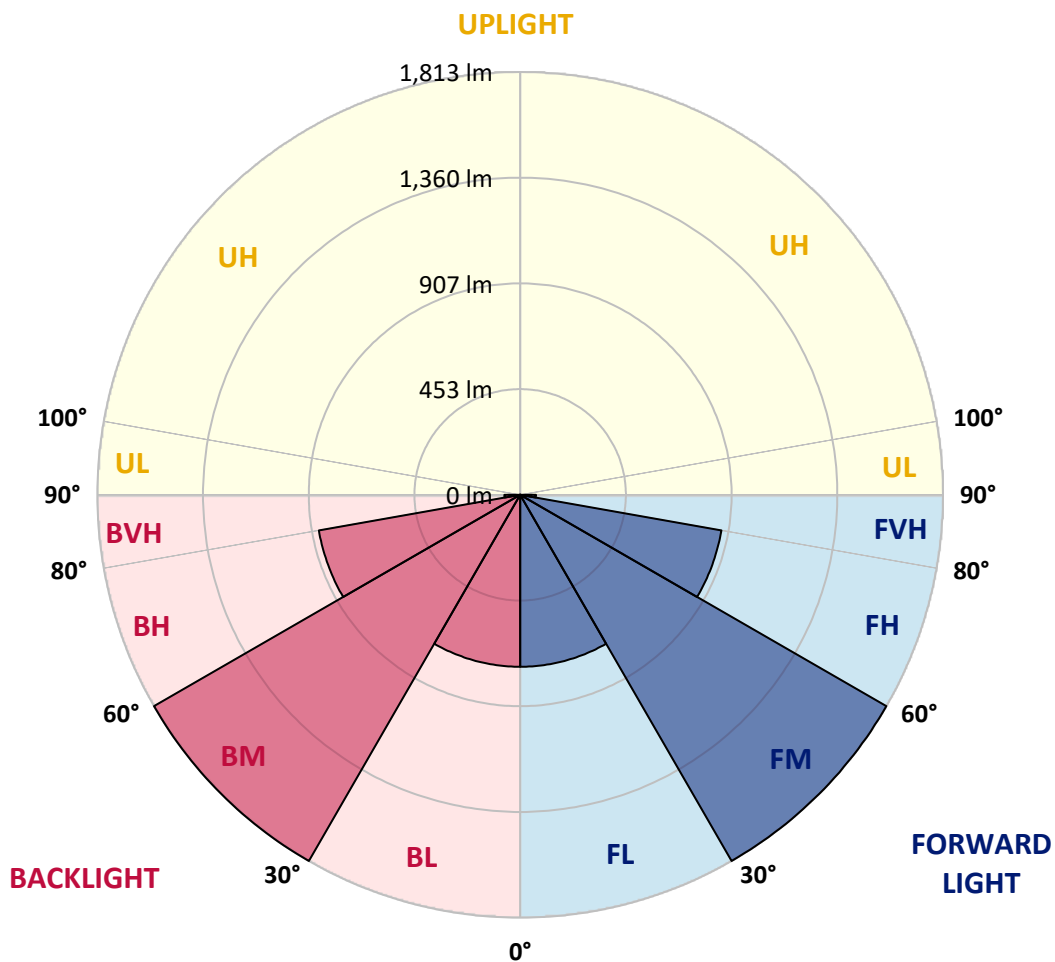
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	737.2	10.5			
FM	(30°-60°)	1813.3	25.9			
FH	(60°-80°)	876.6	12.5			G1/1800
FVH	(80°-90°)	67.6	1.0			G1/100
BL	(0°-30°)	737.2	10.5	B2/1000		
BM	(30°-60°)	1813.3	25.9	B2/2500		
BH	(60°-80°)	876.6	12.5	B2/1000		G1/1800
BVH	(80°-90°)	67.6	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7
2.5°	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7
5°	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1787.0	1785.7
7.5°	1784.3	1784.3	1784.3	1784.3	1785.7	1784.3	1784.3	1785.7	1785.7	1785.7	1785.7
10°	1781.5	1780.1	1780.1	1781.5	1781.5	1781.5	1781.5	1781.5	1782.9	1781.5	1781.5
12.5°	1777.4	1776.0	1777.4	1777.4	1777.4	1778.8	1778.8	1778.8	1780.1	1780.1	1778.8
15°	1773.3	1773.3	1773.3	1773.3	1773.3	1774.6	1774.6	1776.0	1776.0	1776.0	1776.0
17.5°	1767.8	1767.8	1767.8	1769.1	1769.1	1770.5	1770.5	1770.5	1771.9	1771.9	1771.9
20°	1758.1	1756.8	1758.1	1758.1	1759.5	1760.9	1760.9	1762.3	1762.3	1762.3	1762.3
22.5°	1744.4	1744.4	1745.7	1745.7	1747.1	1748.4	1748.4	1749.9	1749.9	1749.9	1749.9
25°	1730.6	1731.9	1731.9	1733.4	1733.4	1734.7	1736.1	1736.1	1736.1	1736.1	1736.1
27.5°	1716.8	1718.2	1718.2	1718.2	1719.5	1720.9	1722.3	1723.7	1725.0	1723.7	1723.7
30°	1701.7	1701.7	1703.0	1704.4	1705.8	1707.2	1709.9	1711.3	1712.7	1711.3	1711.3
32.5°	1685.1	1686.5	1687.8	1689.2	1692.0	1694.7	1697.5	1698.9	1700.2	1698.9	1698.9
35°	1672.7	1672.7	1675.5	1678.2	1681.0	1685.1	1687.8	1690.6	1693.3	1692.0	1690.6
37.5°	1660.3	1660.3	1663.1	1667.1	1672.7	1678.2	1683.7	1687.8	1689.2	1689.2	1687.8
40°	1645.1	1646.6	1649.3	1656.1	1664.4	1671.3	1678.2	1683.7	1686.5	1686.5	1683.7
42.5°	1628.6	1630.0	1634.1	1641.0	1650.6	1658.9	1667.1	1671.3	1675.5	1675.5	1672.7
45°	1605.2	1606.5	1612.0	1619.0	1628.6	1636.9	1646.6	1650.6	1656.1	1654.8	1653.4
47.5°	1574.8	1576.3	1581.8	1588.7	1598.3	1607.9	1617.6	1624.5	1628.6	1628.6	1627.2
50°	1537.7	1539.1	1544.6	1551.4	1563.8	1574.8	1584.5	1591.4	1598.3	1598.3	1596.9
52.5°	1490.8	1493.5	1497.7	1507.4	1521.1	1533.6	1545.9	1557.0	1561.1	1562.5	1561.1
55°	1432.9	1435.7	1441.2	1452.3	1467.4	1482.5	1496.3	1508.7	1514.2	1518.4	1515.6
57.5°	1365.5	1368.2	1375.1	1387.5	1404.0	1419.2	1437.1	1450.9	1455.0	1459.1	1457.8
60°	1285.5	1289.7	1296.5	1310.4	1326.9	1343.4	1360.0	1376.5	1380.6	1386.1	1383.3
62.5°	1191.9	1196.0	1202.9	1218.1	1235.9	1251.1	1270.3	1285.5	1289.7	1295.2	1293.8
65°	1084.4	1088.5	1095.4	1111.9	1128.4	1145.0	1162.9	1179.4	1183.5	1189.1	1187.7
67.5°	961.7	965.9	972.7	992.1	1008.6	1025.1	1040.3	1056.8	1059.5	1065.0	1063.7
70°	832.2	837.7	843.2	861.2	876.3	890.1	906.6	920.4	925.9	928.6	925.9
72.5°	702.7	706.8	712.3	724.8	735.8	748.2	764.7	774.4	778.5	779.9	779.9
75°	569.1	573.2	573.2	586.9	595.3	602.1	615.9	622.8	625.5	628.3	628.3
77.5°	442.3	439.5	442.3	447.8	453.3	458.9	467.1	471.2	473.9	479.4	476.7
80°	310.0	311.4	312.8	316.9	319.7	321.0	326.5	327.9	329.3	334.8	332.0
82.5°	199.8	197.0	199.8	198.4	201.2	197.0	199.8	204.0	201.2	204.0	205.3
85°	104.7	100.6	100.6	102.0	103.3	100.6	102.0	100.6	100.6	103.3	102.0
87.5°	33.1	31.7	33.1	31.7	33.1	31.7	33.1	34.4	33.1	33.1	34.4
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°	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7
2.5°	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7
5°	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7	1785.7
7.5°	1784.3	1784.3	1784.3	1784.3	1784.3	1784.3	1782.9	1784.3
10°	1781.5	1781.5	1781.5	1781.5	1780.1	1780.1	1780.1	1780.1
12.5°	1778.8	1778.8	1777.4	1777.4	1777.4	1777.4	1776.0	1776.0
15°	1776.0	1774.6	1774.6	1773.3	1773.3	1773.3	1771.9	1773.3
17.5°	1771.9	1770.5	1770.5	1769.1	1769.1	1767.8	1767.8	1767.8
20°	1762.3	1760.9	1760.9	1759.5	1759.5	1758.1	1756.8	1756.8
22.5°	1748.4	1748.4	1748.4	1747.1	1745.7	1745.7	1744.4	1744.4
25°	1736.1	1734.7	1734.7	1733.4	1731.9	1731.9	1730.6	1730.6
27.5°	1723.7	1722.3	1720.9	1718.2	1718.2	1716.8	1715.4	1714.0
30°	1709.9	1707.2	1704.4	1703.0	1701.7	1698.9	1697.5	1696.1
32.5°	1696.1	1693.3	1690.6	1687.8	1683.7	1682.3	1679.6	1679.6
35°	1687.8	1683.7	1679.6	1674.1	1669.9	1665.8	1663.1	1661.6
37.5°	1683.7	1678.2	1671.3	1664.4	1657.6	1652.1	1647.9	1647.9
40°	1678.2	1671.3	1663.1	1653.4	1645.1	1638.2	1634.1	1632.7
42.5°	1667.1	1660.3	1649.3	1641.0	1630.0	1623.1	1617.6	1616.2
45°	1647.9	1641.0	1631.4	1620.4	1609.3	1601.0	1595.5	1594.2
47.5°	1623.1	1614.9	1603.8	1592.8	1581.8	1572.1	1566.6	1565.3
50°	1591.4	1583.1	1572.1	1561.1	1548.7	1539.1	1532.1	1532.1
52.5°	1555.6	1545.9	1533.6	1521.1	1507.4	1497.7	1490.8	1489.5
55°	1508.7	1497.7	1485.3	1471.5	1456.4	1445.3	1437.1	1435.7
57.5°	1450.9	1438.4	1424.7	1409.5	1394.4	1382.0	1372.3	1371.0
60°	1377.8	1364.1	1350.3	1335.1	1318.6	1304.9	1295.2	1292.4
62.5°	1288.3	1273.1	1258.0	1244.1	1226.3	1212.5	1202.9	1200.1
65°	1182.2	1169.8	1154.6	1138.1	1118.8	1105.1	1095.4	1094.0
67.5°	1058.2	1045.8	1030.6	1015.4	996.2	983.7	974.2	971.4
70°	921.8	910.8	898.4	883.2	866.7	854.3	844.6	843.2
72.5°	777.1	767.5	756.4	745.4	728.8	719.3	711.0	709.6
75°	628.3	618.6	610.4	602.1	589.7	582.8	574.6	574.6
77.5°	476.7	473.9	468.4	458.9	451.9	446.4	442.3	439.5
80°	333.4	330.7	327.9	322.4	318.3	316.9	314.2	311.4
82.5°	204.0	202.5	204.0	201.2	199.8	199.8	198.4	195.6
85°	103.3	104.7	103.3	102.0	102.0	102.0	102.0	100.6
87.5°	33.1	34.4	33.1	31.7	31.7	31.7	31.7	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)