

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: P197549

Luminaire Tested: **TT-C5-LED-E1-5CQ-PM-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197549
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-C5-LED-E1-5CQ-PM-MS/DIM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED 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: 6946.7 lumens
Efficiency: N/A
Efficacy: 90.2 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): 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

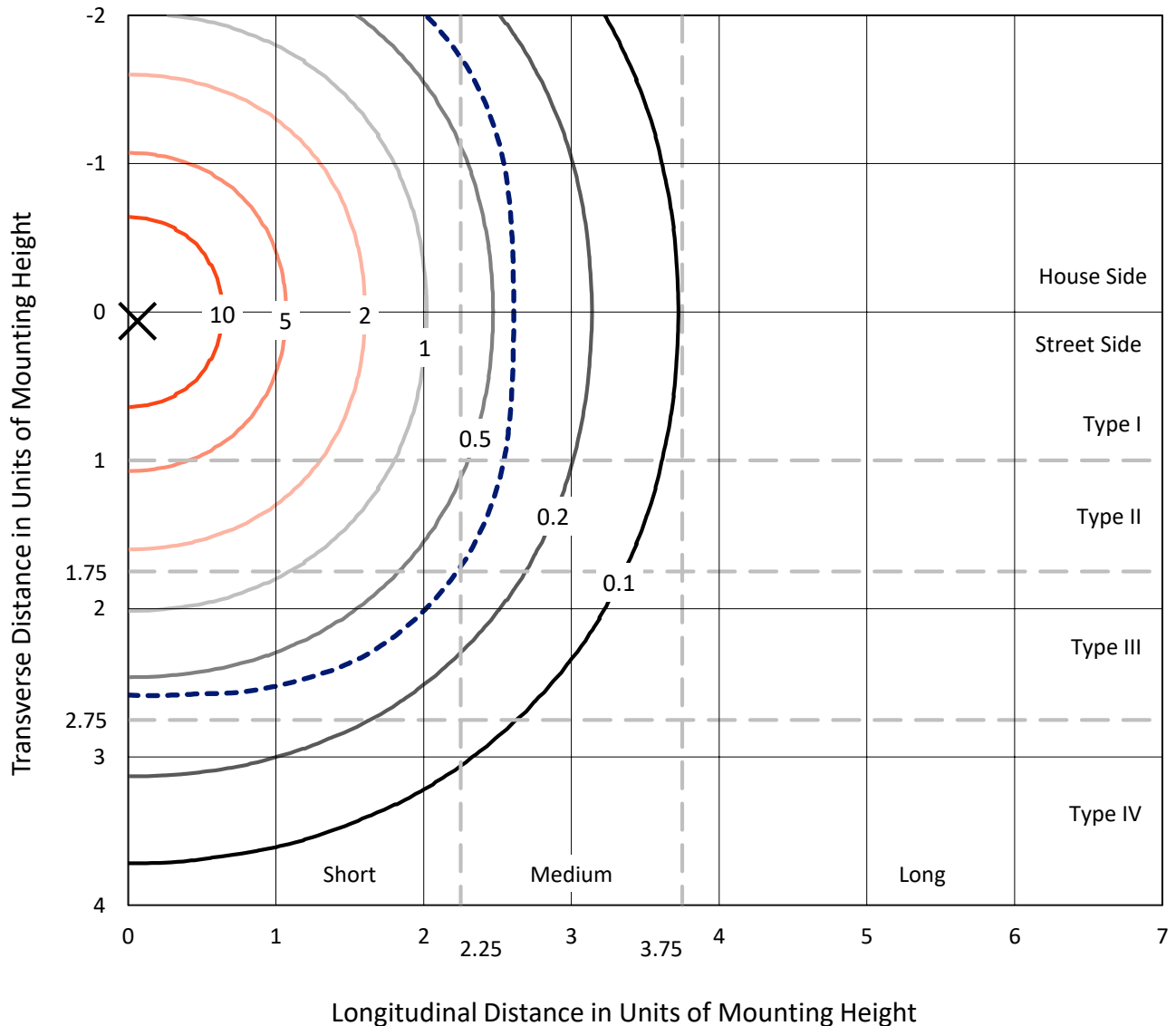


REPORT NUMBER: P197549

CATALOG NUMBER: TT-C5-LED-E1-5CQ-PM-MS/DIM-8030

Iso-Footcandle Lines of Horizontal Illumination

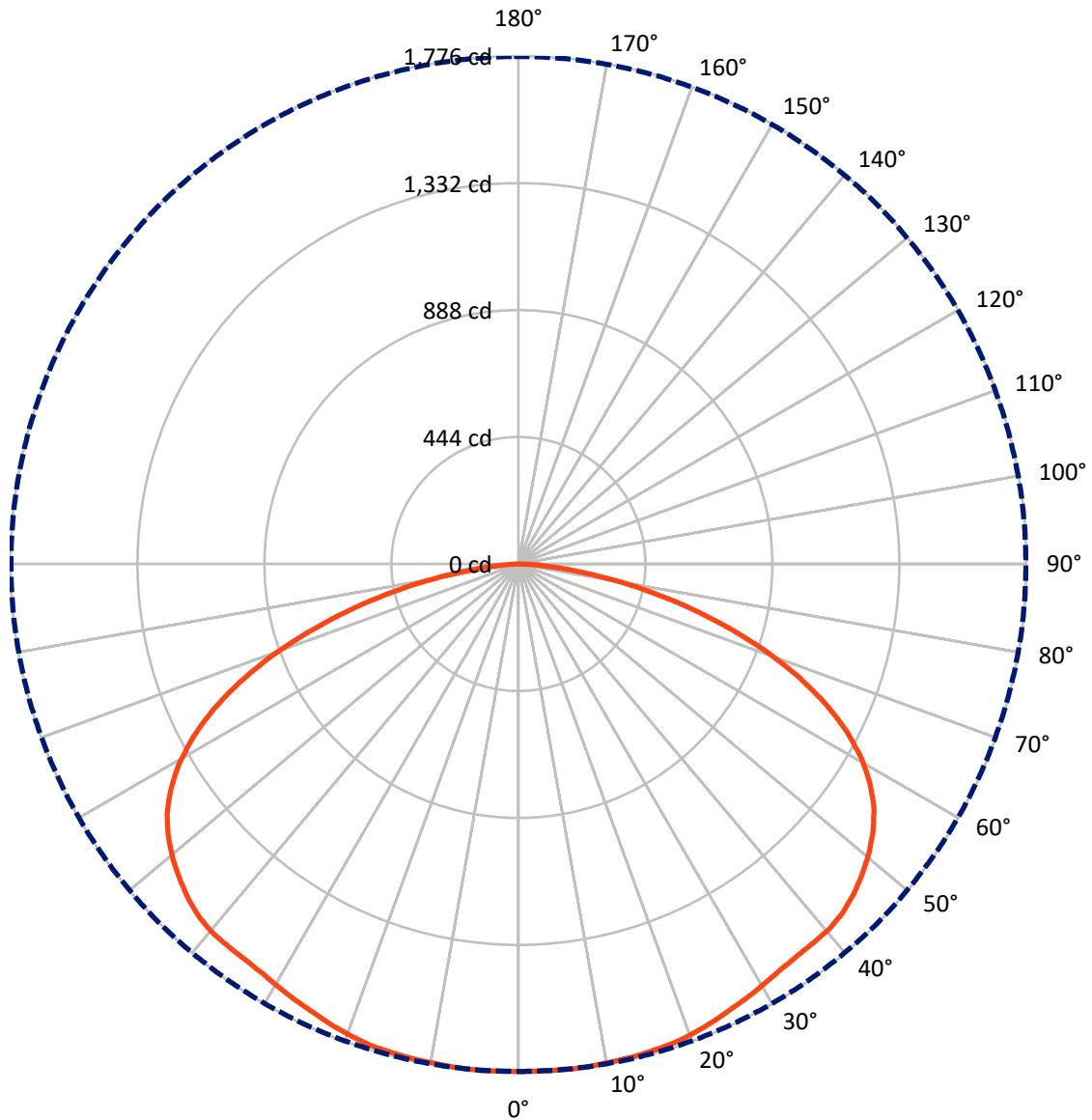
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197549
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Luminous Intensity Polar Plot



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

REPORT NUMBER: P197549

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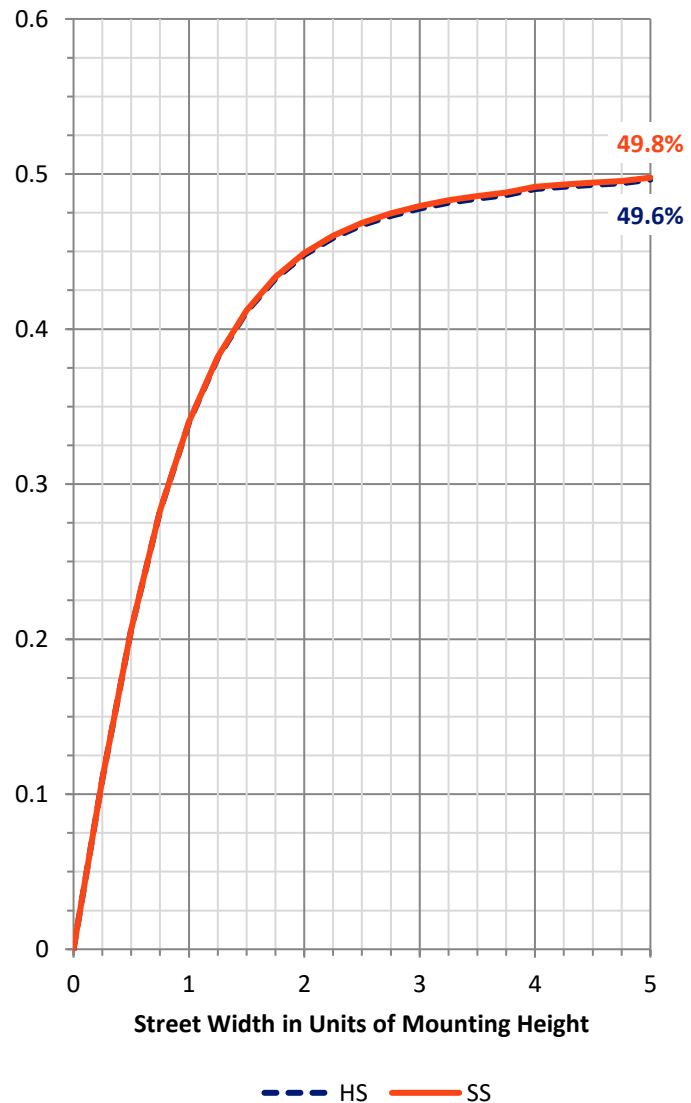
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3473.4	0.0	3473.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3473.4	0.0	3473.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6946.7	0.0	6946.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	2.4
10°-20°	499.3	7.2
20°-30°	796.8	11.5
30°-40°	1049.5	15.1
40°-50°	1248.4	18.0
50°-60°	1306.6	18.8
60°-70°	1111.1	16.0
70°-80°	631.4	9.1
80°-90°	134.3	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°	6946.7	100.0
0°-180°	6946.7	100.0



REPORT NUMBER: P197549

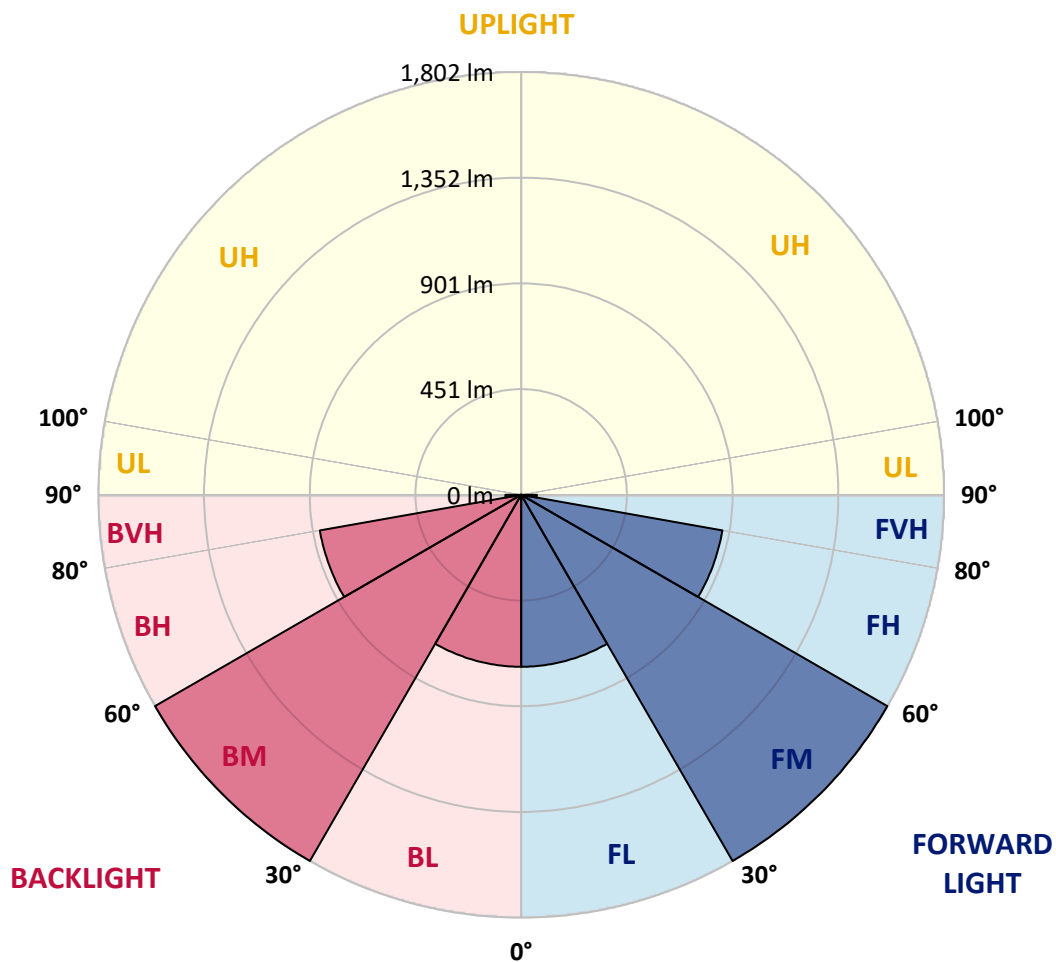
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	732.7	10.5			
FM (30°-60°)	1802.3	25.9			
FH (60°-80°)	871.3	12.5			G1/1800
FVH (80°-90°)	67.1	1.0			G1/100
BL (0°-30°)	732.7	10.5	B2/1000		
BM (30°-60°)	1802.3	25.9	B2/2500		
BH (60°-80°)	871.3	12.5	B2/1000		G1/1800
BVH (80°-90°)	67.1	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°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
2.5°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
5°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1776.2	1774.8
7.5°	1773.5	1773.5	1773.5	1773.5	1774.8	1773.5	1773.5	1774.8	1774.8	1774.8	1774.8
10°	1770.8	1769.4	1769.4	1770.8	1770.8	1770.8	1770.8	1770.8	1772.1	1770.8	1770.8
12.5°	1766.6	1765.3	1766.6	1766.6	1766.6	1768.0	1768.0	1768.0	1769.4	1769.4	1768.0
15°	1762.6	1762.6	1762.6	1762.6	1762.6	1763.9	1763.9	1765.3	1765.3	1765.3	1765.3
17.5°	1757.0	1757.0	1757.0	1758.4	1758.4	1759.7	1759.7	1759.7	1761.2	1761.2	1761.2
20°	1747.5	1746.1	1747.5	1747.5	1748.8	1750.2	1750.2	1751.5	1751.5	1751.5	1751.5
22.5°	1733.7	1733.7	1735.1	1735.1	1736.5	1737.9	1737.9	1739.3	1739.3	1739.3	1739.3
25°	1720.0	1721.5	1721.5	1722.8	1722.8	1724.2	1725.5	1725.5	1725.5	1725.5	1725.5
27.5°	1706.4	1707.7	1707.7	1707.7	1709.1	1710.5	1711.8	1713.3	1714.6	1713.3	1713.3
30°	1691.3	1691.3	1692.7	1694.0	1695.4	1696.8	1699.5	1700.9	1702.2	1700.9	1700.9
32.5°	1674.9	1676.2	1677.6	1678.9	1681.7	1684.4	1687.2	1688.6	1690.0	1688.6	1688.6
35°	1662.5	1662.5	1665.3	1668.0	1670.7	1674.9	1677.6	1680.4	1683.1	1681.7	1680.4
37.5°	1650.2	1650.2	1652.9	1657.1	1662.5	1668.0	1673.5	1677.6	1678.9	1678.9	1677.6
40°	1635.2	1636.5	1639.3	1646.1	1654.3	1661.2	1668.0	1673.5	1676.2	1676.2	1673.5
42.5°	1618.7	1620.1	1624.2	1631.1	1640.7	1648.9	1657.1	1661.2	1665.3	1665.3	1662.5
45°	1595.4	1596.8	1602.3	1609.1	1618.7	1626.9	1636.5	1640.7	1646.1	1644.7	1643.4
47.5°	1565.4	1566.7	1572.1	1579.0	1588.6	1598.2	1607.8	1614.7	1618.7	1618.7	1617.4
50°	1528.3	1529.7	1535.2	1542.1	1554.3	1565.4	1574.9	1581.8	1588.6	1588.6	1587.2
52.5°	1481.7	1484.6	1488.6	1498.2	1511.9	1524.3	1536.6	1547.5	1551.6	1553.0	1551.6
55°	1424.2	1427.0	1432.4	1443.5	1458.5	1473.5	1487.3	1499.5	1505.0	1509.2	1506.4
57.5°	1357.1	1359.9	1366.7	1379.1	1395.5	1410.6	1428.4	1442.0	1446.2	1450.2	1448.9
60°	1277.7	1281.8	1288.7	1302.3	1318.8	1335.2	1351.6	1368.1	1372.2	1377.7	1374.9
62.5°	1184.6	1188.7	1195.5	1210.6	1228.4	1243.5	1262.7	1277.7	1281.8	1287.4	1285.9
65°	1077.8	1081.9	1088.7	1105.1	1121.6	1138.0	1155.8	1172.2	1176.4	1181.9	1180.4
67.5°	955.9	960.0	966.8	986.1	1002.5	1018.9	1034.0	1050.4	1053.1	1058.7	1057.2
70°	827.1	832.7	838.2	856.0	871.0	884.7	901.1	914.8	920.3	923.0	920.3
72.5°	698.4	702.5	708.1	720.3	731.3	743.6	760.1	769.6	773.8	775.1	775.1
75°	565.6	569.7	569.7	583.4	591.6	598.4	612.2	619.0	621.7	624.4	624.4
77.5°	439.6	436.8	439.6	445.0	450.5	456.1	464.3	468.3	471.1	476.5	473.8
80°	308.2	309.5	310.9	315.0	317.7	319.1	324.6	325.9	327.3	332.8	330.0
82.5°	198.5	195.8	198.5	197.2	199.9	195.8	198.5	202.7	199.9	202.7	204.1
85°	104.1	99.9	99.9	101.3	102.8	99.9	101.3	99.9	99.9	102.8	101.3
87.5°	32.9	31.5	32.9	31.5	32.9	31.5	32.9	34.2	32.9	32.9	34.2
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: P197549

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
2.5°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
5°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
7.5°	1773.5	1773.5	1773.5	1773.5	1773.5	1773.5	1772.1	1773.5
10°	1770.8	1770.8	1770.8	1770.8	1769.4	1769.4	1769.4	1769.4
12.5°	1768.0	1768.0	1766.6	1766.6	1766.6	1766.6	1765.3	1765.3
15°	1765.3	1763.9	1763.9	1762.6	1762.6	1762.6	1761.2	1762.6
17.5°	1761.2	1759.7	1759.7	1758.4	1758.4	1757.0	1757.0	1757.0
20°	1751.5	1750.2	1750.2	1748.8	1748.8	1747.5	1746.1	1746.1
22.5°	1737.9	1737.9	1737.9	1736.5	1735.1	1735.1	1733.7	1733.7
25°	1725.5	1724.2	1724.2	1722.8	1721.5	1721.5	1720.0	1720.0
27.5°	1713.3	1711.8	1710.5	1707.7	1707.7	1706.4	1705.0	1703.6
30°	1699.5	1696.8	1694.0	1692.7	1691.3	1688.6	1687.2	1685.8
32.5°	1685.8	1683.1	1680.4	1677.6	1673.5	1672.2	1669.4	1669.4
35°	1677.6	1673.5	1669.4	1664.0	1659.8	1655.7	1652.9	1651.6
37.5°	1673.5	1668.0	1661.2	1654.3	1647.5	1642.0	1637.9	1637.9
40°	1668.0	1661.2	1652.9	1643.4	1635.2	1628.3	1624.2	1622.9
42.5°	1657.1	1650.2	1639.3	1631.1	1620.1	1613.2	1607.8	1606.4
45°	1637.9	1631.1	1621.4	1610.5	1599.6	1591.4	1585.9	1584.5
47.5°	1613.2	1605.0	1594.1	1583.1	1572.1	1562.6	1557.1	1555.7
50°	1581.8	1573.6	1562.6	1551.6	1539.3	1529.7	1522.8	1522.8
52.5°	1546.1	1536.6	1524.3	1511.9	1498.2	1488.6	1481.7	1480.4
55°	1499.5	1488.6	1476.3	1462.6	1447.5	1436.6	1428.4	1427.0
57.5°	1442.0	1429.7	1416.0	1400.9	1386.0	1373.6	1364.0	1362.7
60°	1369.5	1355.8	1342.1	1327.0	1310.6	1296.9	1287.4	1284.6
62.5°	1280.5	1265.4	1250.3	1236.6	1218.8	1205.1	1195.5	1192.8
65°	1175.0	1162.7	1147.6	1131.2	1112.0	1098.3	1088.7	1087.4
67.5°	1051.8	1039.4	1024.3	1009.4	990.1	977.8	968.2	965.5
70°	916.2	905.2	892.9	877.8	861.4	849.1	839.5	838.2
72.5°	772.4	762.8	751.8	740.9	724.5	714.8	706.6	705.3
75°	624.4	614.9	606.7	598.4	586.2	579.3	571.1	571.1
77.5°	473.8	471.1	465.6	456.1	449.2	443.7	439.6	436.8
80°	331.5	328.7	325.9	320.4	316.4	315.0	312.2	309.5
82.5°	202.7	201.3	202.7	199.9	198.5	198.5	197.2	194.5
85°	102.8	104.1	102.8	101.3	101.3	101.3	101.3	99.9
87.5°	32.9	34.2	32.9	31.5	31.5	31.5	31.5	30.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)