

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: P197524

Luminaire Tested: **TT-C4-LED-E1-5CQ-PM-LWR-LW-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)  
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-LWR-LW-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (160) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6548.3 lumens  
Efficiency: N/A  
Efficacy: 112.9 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

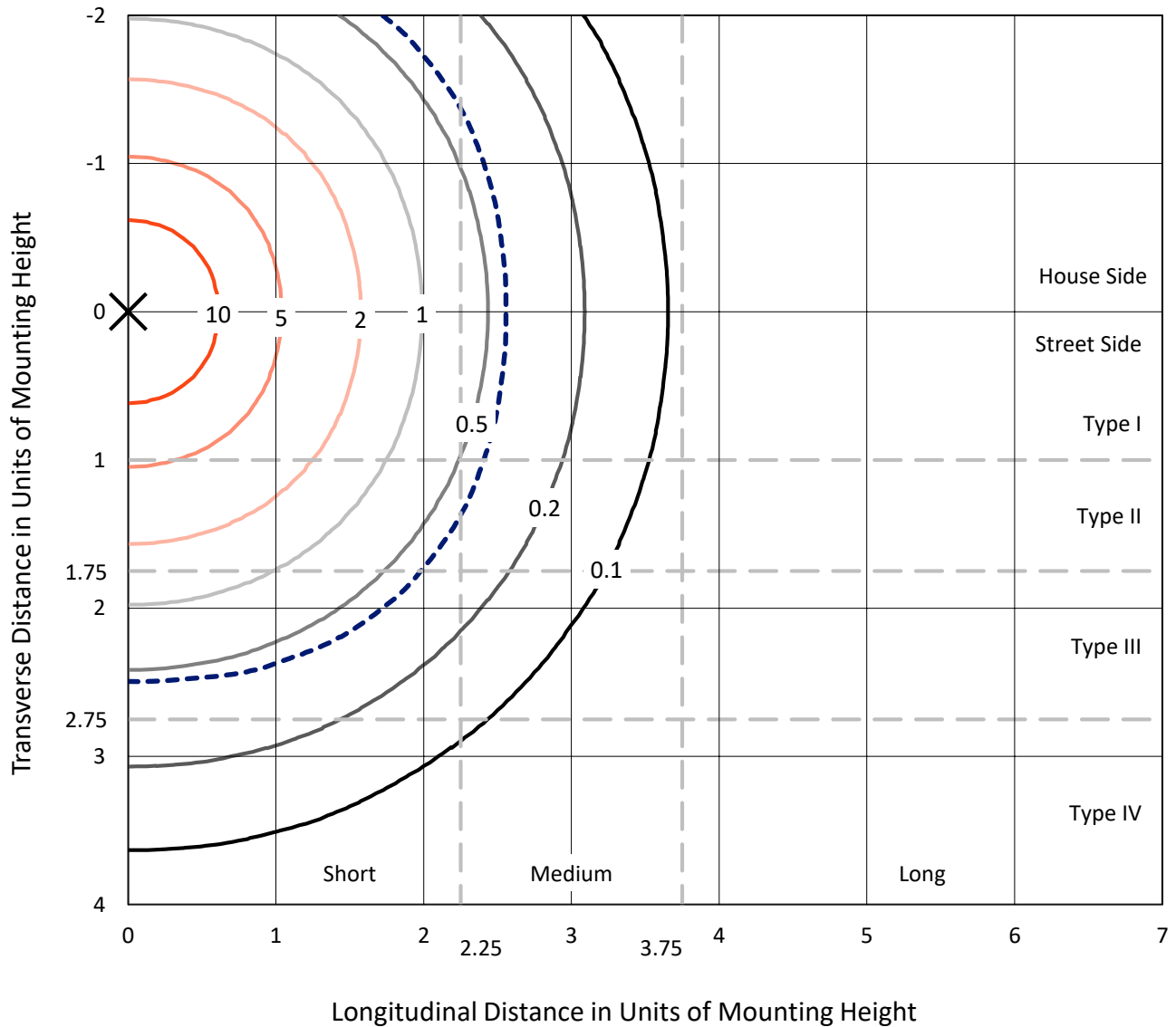


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### Iso-Footcandle Lines of Horizontal Illumination

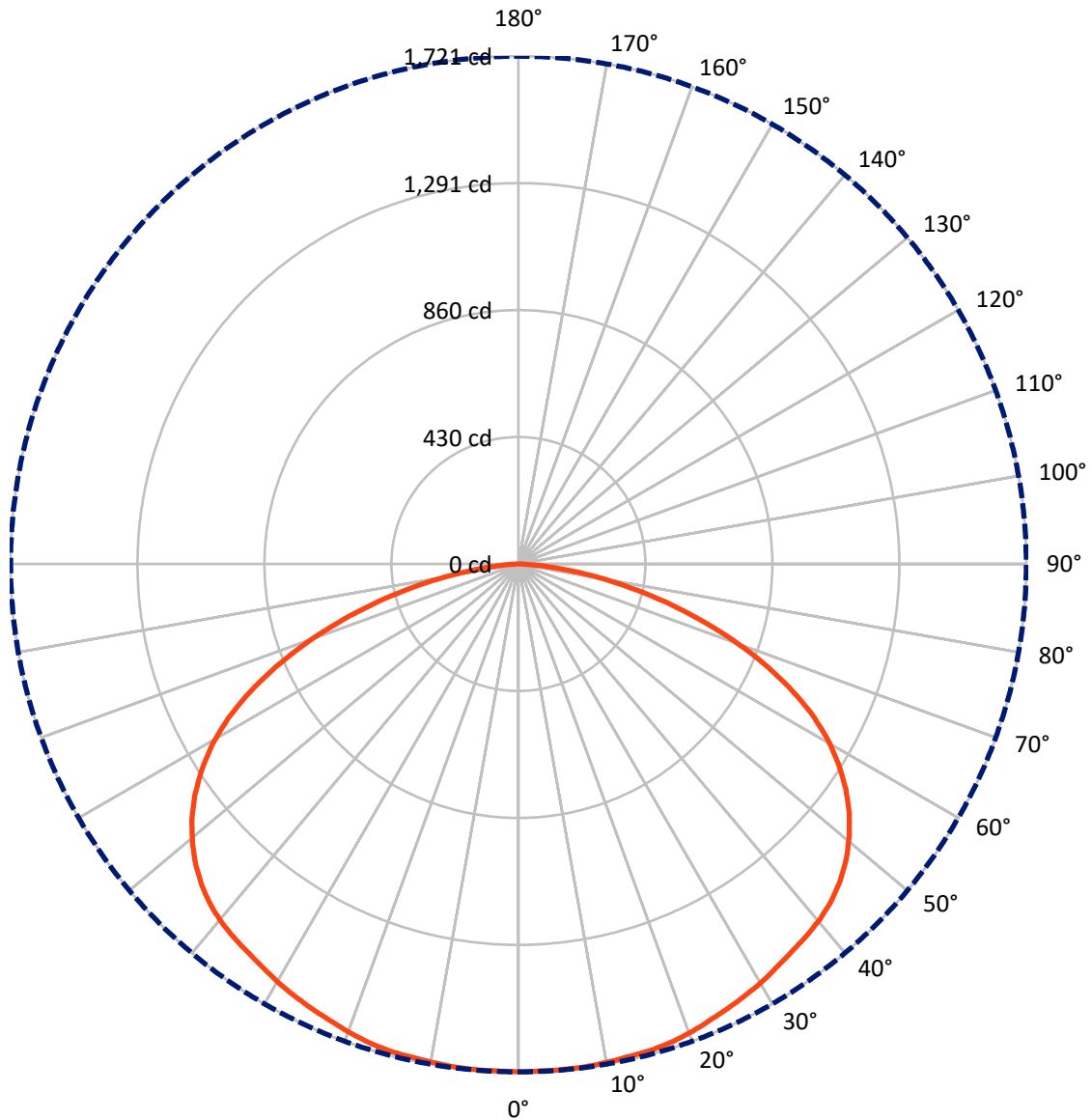
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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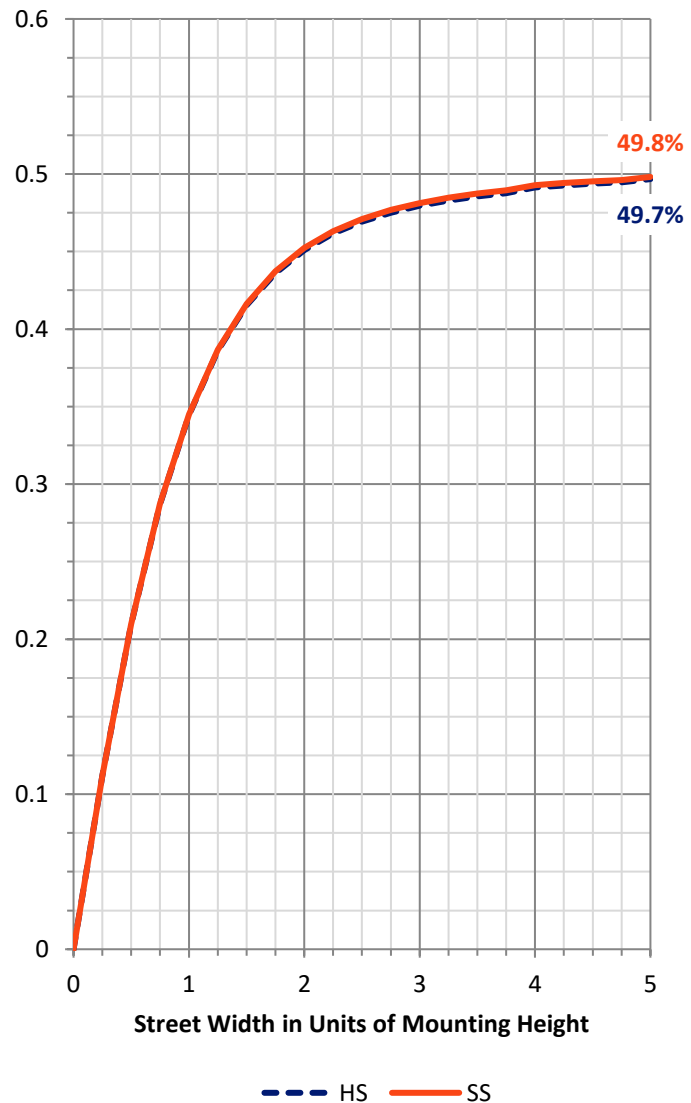
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3274.2	0.0	3274.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3274.2	0.0	3274.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6548.3	0.0	6548.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	2.5
10°-20°	482.9	7.4
20°-30°	769.1	11.7
30°-40°	1008.4	15.4
40°-50°	1189.3	18.2
50°-60°	1231.7	18.8
60°-70°	1030.1	15.7
70°-80°	561.5	8.6
80°-90°	111.4	1.7
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°	6548.3	100.0
0°-180°	6548.3	100.0



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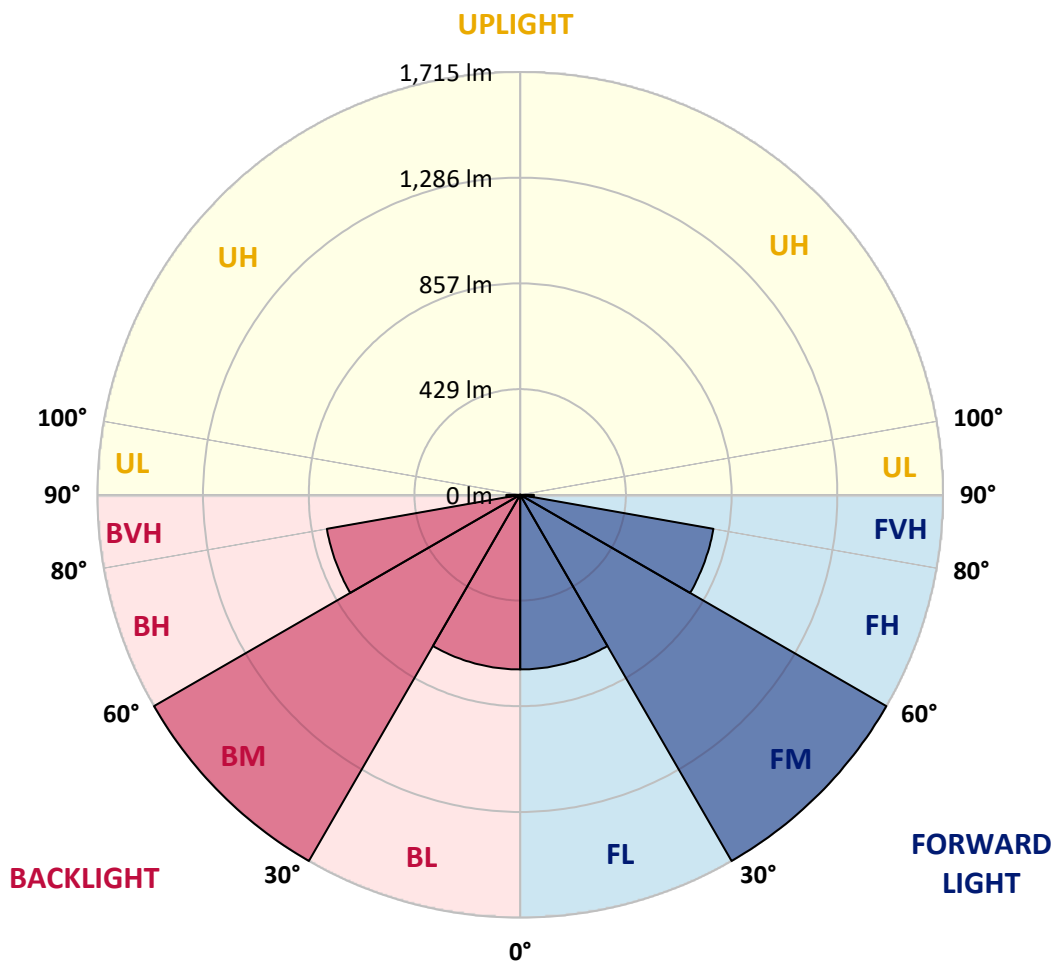
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.0	10.8			
FM	(30°-60°)	1714.7	26.2			
FH	(60°-80°)	795.8	12.2			G1/1800
FVH	(80°-90°)	55.7	0.9			G1/100
BL	(0°-30°)	708.0	10.8	B2/1000		
BM	(30°-60°)	1714.7	26.2	B2/2500		
BH	(60°-80°)	795.8	12.2	B2/1000		G1/1800
BVH	(80°-90°)	55.7	0.9			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°	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9
2.5°	1719.5	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1719.5	1720.9	1720.9
5°	1719.5	1719.5	1719.5	1719.5	1720.9	1719.5	1719.5	1719.5	1719.5	1719.5	1719.5
7.5°	1718.2	1716.8	1716.8	1716.8	1716.8	1716.8	1718.2	1718.2	1718.2	1718.2	1718.2
10°	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0
12.5°	1709.9	1709.9	1709.9	1709.9	1711.3	1711.3	1711.3	1711.3	1711.3	1711.3	1709.9
15°	1707.2	1707.2	1707.2	1707.2	1707.2	1707.2	1707.2	1707.2	1707.2	1707.2	1707.2
17.5°	1700.2	1700.2	1700.2	1700.2	1701.7	1701.7	1701.7	1701.7	1701.7	1701.7	1701.7
20°	1689.2	1689.2	1689.2	1689.2	1689.2	1690.6	1692.0	1692.0	1692.0	1692.0	1692.0
22.5°	1675.5	1675.5	1676.8	1676.8	1678.2	1678.2	1679.6	1679.6	1679.6	1679.6	1679.6
25°	1663.1	1663.1	1663.1	1664.4	1664.4	1664.4	1665.8	1667.1	1667.1	1667.1	1665.8
27.5°	1650.6	1650.6	1650.6	1652.1	1652.1	1652.1	1653.4	1653.4	1654.8	1653.4	1653.4
30°	1636.9	1635.5	1635.5	1636.9	1638.2	1638.2	1639.6	1639.6	1639.6	1639.6	1638.2
32.5°	1620.4	1620.4	1621.7	1623.1	1623.1	1624.5	1625.9	1625.9	1625.9	1627.2	1624.5
35°	1605.2	1606.5	1606.5	1607.9	1610.7	1612.0	1613.4	1614.9	1614.9	1614.9	1612.0
37.5°	1592.8	1594.2	1595.5	1598.3	1601.0	1603.8	1606.5	1609.3	1607.9	1607.9	1603.8
40°	1577.6	1579.0	1581.8	1584.5	1590.0	1592.8	1596.9	1599.7	1601.0	1599.7	1595.5
42.5°	1557.0	1558.3	1561.1	1565.3	1572.1	1577.6	1581.8	1585.9	1587.3	1585.9	1581.8
45°	1529.4	1530.8	1533.6	1539.1	1547.3	1552.8	1559.8	1563.8	1566.6	1566.6	1562.5
47.5°	1495.0	1496.3	1500.5	1506.0	1514.2	1521.1	1529.4	1534.9	1537.7	1540.4	1536.3
50°	1452.3	1453.6	1459.1	1466.0	1473.0	1482.5	1492.2	1500.5	1504.6	1506.0	1504.6
52.5°	1404.0	1405.4	1410.9	1417.8	1427.4	1438.4	1449.5	1459.1	1464.6	1467.4	1464.6
55°	1346.1	1348.9	1353.0	1362.7	1373.7	1383.3	1397.2	1408.2	1415.0	1416.4	1415.0
57.5°	1278.7	1282.8	1286.9	1297.9	1308.9	1322.7	1333.8	1344.8	1353.0	1354.4	1354.4
60°	1202.9	1205.6	1209.7	1220.8	1233.1	1242.8	1258.0	1269.0	1275.9	1275.9	1277.2
62.5°	1113.3	1116.1	1122.9	1131.2	1145.0	1154.6	1167.0	1178.0	1184.9	1187.7	1186.3
65°	1008.6	1011.3	1015.4	1026.5	1037.5	1048.5	1061.0	1070.5	1077.5	1078.9	1077.5
67.5°	892.9	895.6	898.4	912.1	923.1	927.3	942.5	950.7	954.8	956.2	956.2
70°	770.2	771.6	775.7	782.6	795.1	799.1	808.8	815.6	818.4	824.0	819.8
72.5°	642.0	644.8	654.5	655.9	665.5	671.0	673.7	673.7	680.6	680.6	682.1
75°	515.3	516.7	520.8	522.2	529.1	529.1	527.7	530.5	536.0	536.0	537.3
77.5°	389.9	389.9	396.8	391.3	394.1	388.6	391.3	388.6	392.6	391.3	392.6
80°	272.8	272.8	276.9	271.4	272.8	267.3	268.7	267.3	267.3	268.7	268.7
82.5°	168.1	169.5	172.3	168.1	168.1	163.9	165.3	166.7	166.7	165.3	163.9
85°	82.6	82.6	85.5	84.0	82.6	79.9	81.3	82.6	82.6	81.3	81.3
87.5°	22.0	22.0	23.4	23.4	22.0	20.7	22.0	23.4	23.4	23.4	22.0
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°	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9	1720.9
2.5°	1719.5	1719.5	1720.9	1719.5	1720.9	1719.5	1720.9	1720.9
5°	1719.5	1719.5	1719.5	1719.5	1719.5	1719.5	1719.5	1719.5
7.5°	1716.8	1718.2	1716.8	1716.8	1716.8	1718.2	1716.8	1718.2
10°	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0	1714.0
12.5°	1709.9	1709.9	1709.9	1709.9	1709.9	1709.9	1709.9	1708.5
15°	1707.2	1705.8	1705.8	1705.8	1704.4	1704.4	1704.4	1704.4
17.5°	1701.7	1700.2	1698.9	1698.9	1698.9	1698.9	1697.5	1697.5
20°	1692.0	1690.6	1689.2	1689.2	1687.8	1687.8	1686.5	1686.5
22.5°	1678.2	1678.2	1676.8	1675.5	1675.5	1674.1	1674.1	1672.7
25°	1665.8	1664.4	1663.1	1661.6	1660.3	1660.3	1658.9	1657.6
27.5°	1652.1	1649.3	1647.9	1646.6	1645.1	1643.8	1642.4	1641.0
30°	1636.9	1634.1	1631.4	1630.0	1627.2	1624.5	1623.1	1621.7
32.5°	1621.7	1619.0	1614.9	1610.7	1607.9	1605.2	1602.4	1601.0
35°	1609.3	1603.8	1599.7	1594.2	1590.0	1585.9	1584.5	1583.1
37.5°	1599.7	1594.2	1587.3	1581.8	1577.6	1572.1	1569.3	1566.6
40°	1590.0	1583.1	1574.8	1568.0	1562.5	1555.6	1552.8	1550.1
42.5°	1576.3	1568.0	1559.8	1551.4	1543.2	1536.3	1532.1	1529.4
45°	1557.0	1548.7	1539.1	1528.0	1519.7	1511.5	1507.4	1504.6
47.5°	1530.8	1522.5	1511.5	1501.9	1492.2	1484.0	1478.5	1475.7
50°	1499.0	1490.8	1479.8	1468.8	1459.1	1449.5	1445.3	1441.2
52.5°	1459.1	1452.3	1439.8	1431.6	1420.6	1410.9	1406.7	1404.0
55°	1409.5	1402.7	1390.2	1382.0	1371.0	1362.7	1357.1	1353.0
57.5°	1348.9	1343.4	1329.6	1321.4	1310.4	1302.1	1297.9	1295.2
60°	1274.5	1269.0	1255.2	1247.0	1237.3	1227.6	1224.9	1222.1
62.5°	1182.2	1179.4	1168.4	1158.8	1149.1	1139.5	1136.8	1135.3
65°	1074.7	1072.0	1062.3	1054.0	1045.8	1037.5	1034.8	1032.0
67.5°	952.1	950.7	942.5	935.5	930.0	921.8	920.4	917.6
70°	821.2	818.4	811.6	806.1	801.9	795.1	793.6	790.9
72.5°	684.8	683.4	679.3	672.4	672.4	662.7	661.4	660.0
75°	534.6	541.5	536.0	533.2	533.2	527.7	527.7	526.3
77.5°	391.3	398.2	402.3	396.8	402.3	396.8	396.8	395.4
80°	267.3	272.8	276.9	272.8	279.7	275.6	275.6	281.1
82.5°	162.6	168.1	170.9	169.5	173.6	172.3	170.9	175.0
85°	79.9	82.6	84.0	84.0	85.5	82.6	85.5	86.8
87.5°	20.7	22.0	23.4	22.0	23.4	23.4	23.4	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)