

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: P197909

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)  
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-E1-5WQ-PM-SG-MS/DIM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (160) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6186.1 lumens  
Efficiency: N/A  
Efficacy: 80.3 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

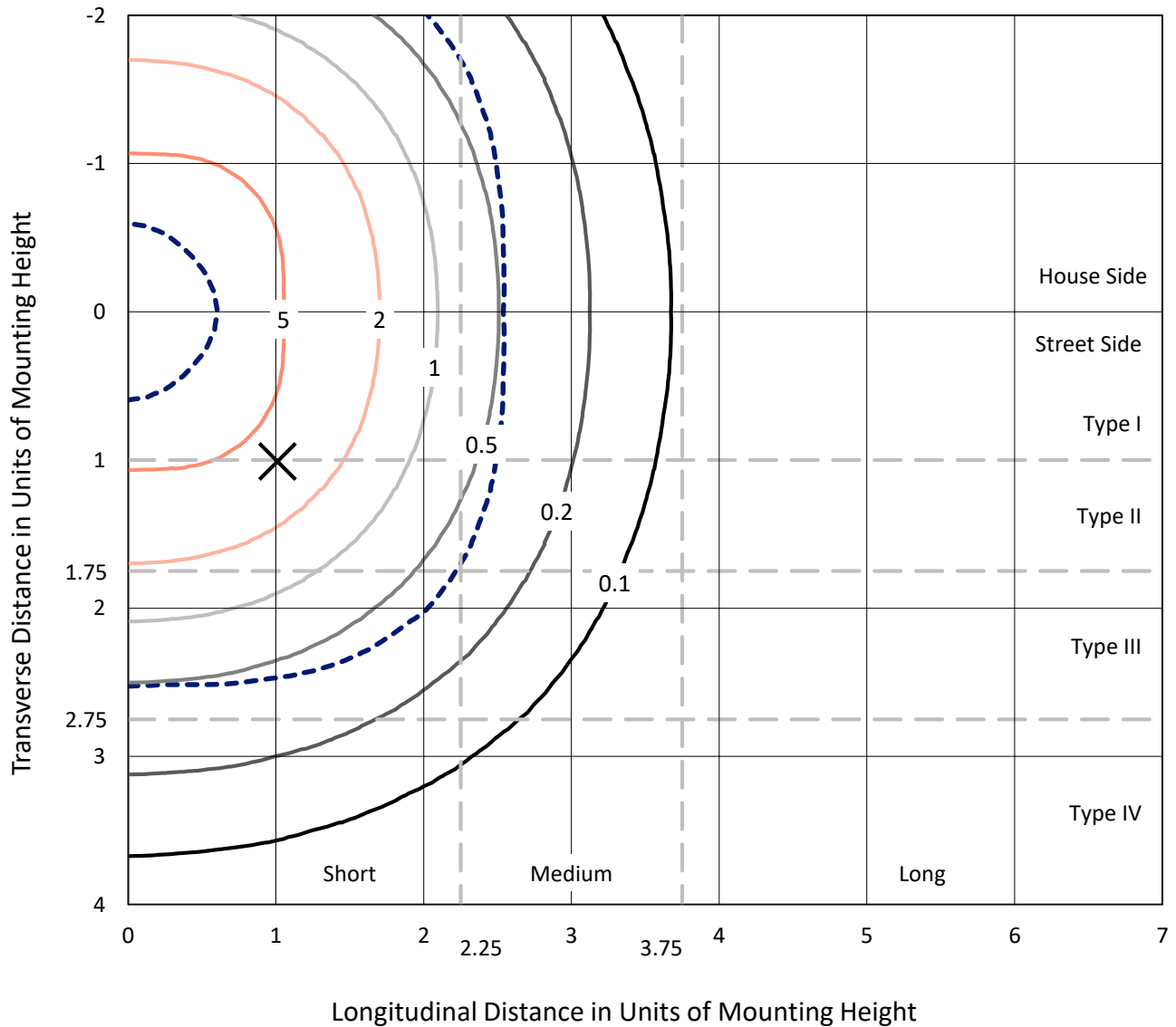


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### Iso-Footcandle Lines of Horizontal Illumination

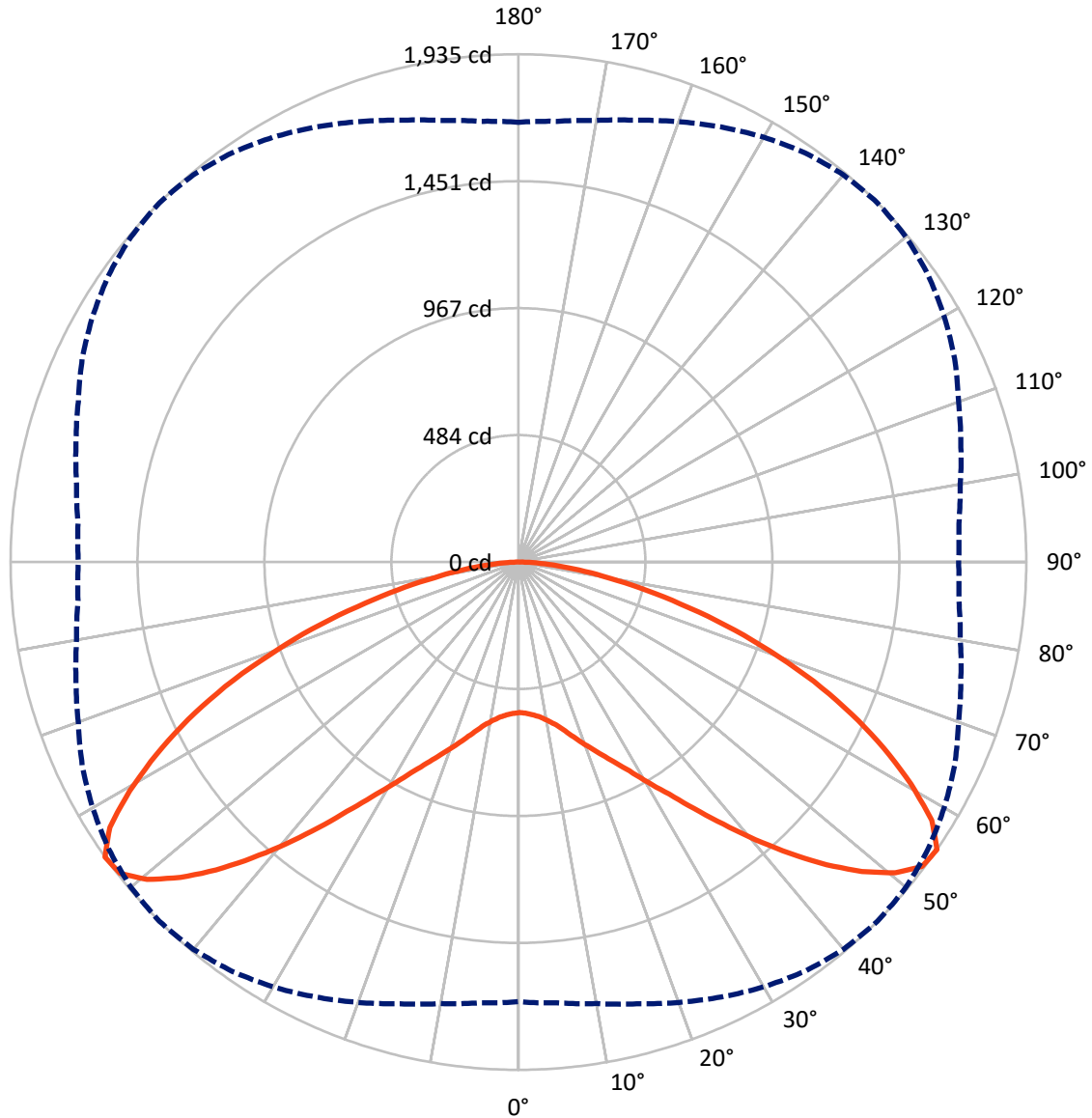
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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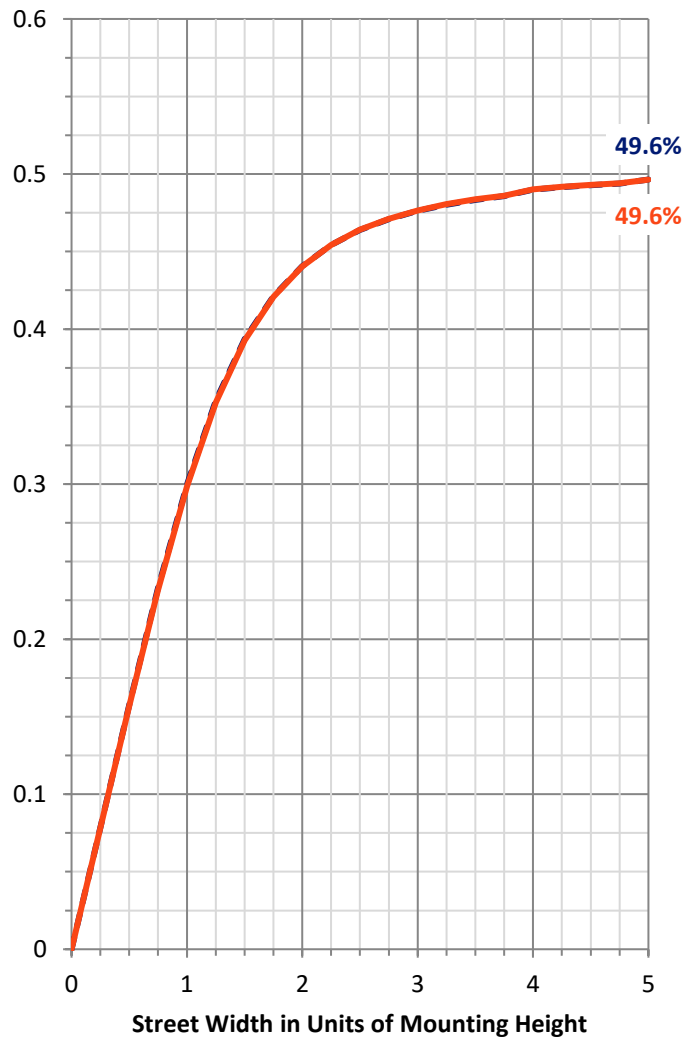
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3093.0	0.0	3093.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3093.0	0.0	3093.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6186.1	0.0	6186.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	0.9
10°-20°	192.0	3.1
20°-30°	391.1	6.3
30°-40°	714.1	11.5
40°-50°	1212.5	19.6
50°-60°	1579.1	25.5
60°-70°	1277.1	20.6
70°-80°	627.6	10.1
80°-90°	135.9	2.2
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°	6186.1	100.0
0°-180°	6186.1	100.0



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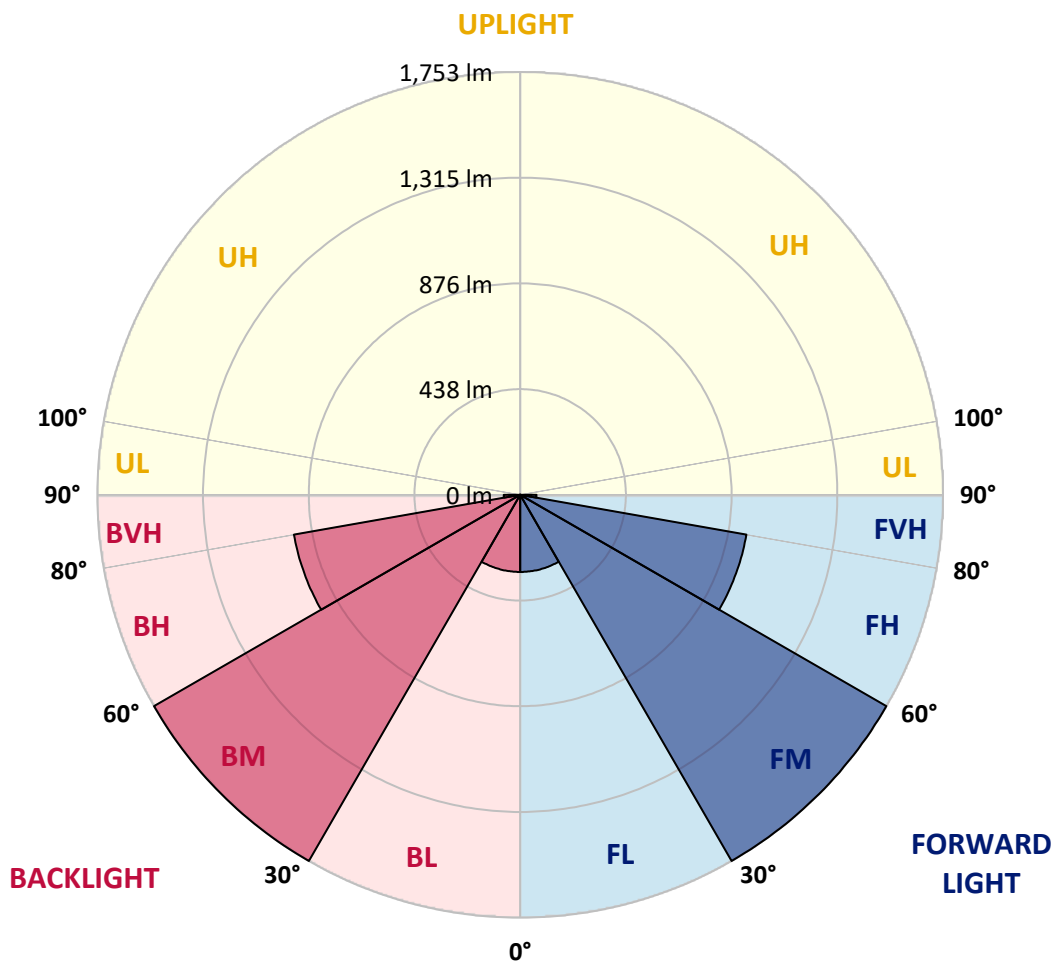
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.8	5.2			
FM	(30°-60°)	1752.9	28.3			
FH	(60°-80°)	952.4	15.4			G1/1800
FVH	(80°-90°)	67.9	1.1			G1/100
BL	(0°-30°)	319.8	5.2	B1/500		
BM	(30°-60°)	1752.9	28.3	B2/2500		
BH	(60°-80°)	952.4	15.4	B2/1000		G1/1800
BVH	(80°-90°)	67.9	1.1			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°	573.2	573.2	573.2	573.2	573.2	573.2	573.2	573.2	573.2	573.2	573.2
2.5°	575.7	575.7	575.7	575.7	575.7	575.7	577.0	577.0	577.0	577.0	577.0
5°	583.3	583.3	583.3	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6
7.5°	594.7	593.4	594.7	594.7	594.7	596.0	596.0	594.7	596.0	596.0	596.0
10°	611.1	609.8	611.1	611.1	611.1	612.4	612.4	612.4	612.4	613.7	613.7
12.5°	635.2	633.9	635.2	636.5	635.2	636.5	636.5	636.5	636.5	636.5	636.5
15°	665.6	664.3	665.6	666.8	665.6	668.1	668.1	666.8	666.8	668.1	668.1
17.5°	702.2	699.8	701.0	702.2	702.2	704.8	704.8	703.5	704.8	706.0	704.8
20°	740.2	737.7	739.0	742.8	742.8	744.0	746.5	745.3	746.5	747.8	746.5
22.5°	782.0	780.7	782.0	785.7	785.7	787.0	790.8	790.8	790.8	792.1	790.8
25°	827.5	826.2	827.5	831.3	831.3	833.9	838.9	838.9	840.2	841.5	840.2
27.5°	880.7	879.4	881.9	885.8	887.1	890.8	897.2	898.4	899.6	900.9	898.4
30°	942.7	940.1	943.9	950.2	952.8	957.9	965.5	967.9	969.2	973.0	970.5
32.5°	1013.5	1011.0	1016.1	1023.6	1027.5	1035.0	1045.2	1047.7	1051.4	1054.0	1050.3
35°	1097.0	1095.8	1100.9	1112.3	1118.6	1127.4	1141.4	1145.1	1147.7	1152.8	1147.7
37.5°	1189.4	1188.1	1197.0	1209.7	1221.1	1234.9	1250.1	1256.4	1260.3	1266.7	1260.3
40°	1291.9	1290.6	1302.0	1317.3	1331.1	1348.8	1367.9	1376.7	1384.3	1390.6	1383.0
42.5°	1397.0	1397.0	1410.8	1427.3	1447.6	1469.1	1490.6	1500.7	1513.3	1517.1	1508.3
45°	1498.2	1499.4	1513.3	1533.5	1562.6	1590.5	1614.5	1627.2	1641.1	1645.0	1633.6
47.5°	1594.4	1595.6	1608.2	1634.9	1667.7	1699.3	1728.4	1746.2	1760.0	1761.3	1752.5
50°	1672.8	1677.8	1694.3	1718.3	1752.5	1785.4	1820.8	1843.6	1857.5	1861.4	1852.4
52.5°	1703.2	1712.0	1731.0	1761.3	1800.5	1834.7	1873.9	1903.0	1919.5	1925.8	1918.3
55°	1675.2	1685.5	1708.2	1742.4	1785.4	1828.3	1868.9	1903.0	1925.8	1934.7	1927.1
57.5°	1613.2	1614.5	1637.3	1671.5	1710.7	1755.0	1794.2	1825.9	1847.4	1856.3	1855.0
60°	1505.7	1505.7	1527.3	1560.2	1590.5	1636.0	1669.0	1693.0	1708.2	1718.3	1715.8
62.5°	1361.5	1361.5	1380.4	1414.6	1445.0	1484.2	1515.9	1541.2	1551.3	1562.6	1565.2
65°	1200.8	1200.8	1218.5	1252.7	1280.5	1316.0	1346.3	1370.3	1380.4	1394.4	1391.8
67.5°	1029.9	1028.8	1045.2	1074.2	1100.9	1133.7	1162.9	1185.6	1197.0	1213.5	1202.1
70°	854.1	854.1	868.0	890.8	909.7	942.7	970.5	993.3	1002.1	1016.1	1009.8
72.5°	687.1	685.8	697.2	714.9	730.1	759.2	775.6	801.0	808.5	827.5	817.4
75°	536.5	534.0	542.8	555.5	565.6	584.6	597.3	617.5	623.8	636.5	631.5
77.5°	403.7	402.4	406.1	415.1	422.6	437.8	442.9	453.0	458.0	470.7	460.6
80°	289.8	286.0	289.8	294.8	297.4	308.8	310.0	313.8	316.3	325.2	315.0
82.5°	194.9	189.9	192.3	196.1	196.1	202.4	203.7	202.4	207.5	210.1	205.0
85°	111.3	107.5	108.8	111.3	110.1	113.9	113.9	112.6	116.4	116.4	113.9
87.5°	36.8	34.2	35.5	36.8	36.8	37.9	39.2	37.9	40.5	40.5	37.9
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°	573.2	573.2	573.2	573.2	573.2	573.2	573.2	573.2
2.5°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
5°	584.6	584.6	584.6	584.6	584.6	583.3	583.3	583.3
7.5°	596.0	596.0	596.0	596.0	596.0	594.7	594.7	594.7
10°	613.7	612.4	612.4	612.4	612.4	611.1	612.4	611.1
12.5°	636.5	637.7	637.7	636.5	637.7	635.2	635.2	635.2
15°	668.1	666.8	666.8	666.8	666.8	665.6	665.6	665.6
17.5°	703.5	703.5	702.2	702.2	701.0	699.8	699.8	699.8
20°	745.3	744.0	742.8	741.5	740.2	737.7	736.4	736.4
22.5°	788.3	787.0	785.7	784.6	783.3	780.7	778.2	778.2
25°	836.3	833.9	832.6	830.1	827.5	824.9	823.8	822.5
27.5°	894.6	892.1	888.2	884.5	879.4	878.1	875.7	875.7
30°	964.2	960.4	955.3	949.1	943.9	938.8	936.4	935.1
32.5°	1045.2	1040.2	1031.2	1023.6	1014.8	1009.8	1006.0	1003.4
35°	1140.1	1132.4	1122.3	1111.0	1099.6	1090.8	1084.4	1084.4
37.5°	1251.4	1240.0	1224.9	1210.9	1194.4	1184.3	1176.7	1171.7
40°	1372.9	1356.5	1337.4	1319.7	1300.8	1286.8	1275.5	1276.8
42.5°	1493.1	1479.2	1456.4	1434.9	1410.8	1391.8	1378.0	1376.7
45°	1619.6	1601.9	1574.0	1546.2	1518.4	1495.6	1479.2	1476.6
47.5°	1737.2	1718.3	1685.5	1651.3	1620.9	1595.6	1577.9	1575.3
50°	1833.5	1810.7	1776.6	1739.8	1707.0	1679.1	1660.1	1655.1
52.5°	1895.5	1870.2	1833.5	1789.1	1753.8	1722.1	1699.3	1693.0
55°	1905.6	1872.7	1833.5	1784.1	1744.9	1709.4	1684.2	1676.5
57.5°	1836.0	1800.5	1765.2	1722.1	1682.9	1645.0	1624.6	1614.5
60°	1700.6	1672.8	1643.7	1604.4	1572.9	1537.4	1521.0	1515.9
62.5°	1544.9	1521.0	1494.3	1453.9	1427.3	1395.7	1380.4	1374.2
65°	1378.0	1350.1	1324.8	1291.9	1262.8	1236.2	1214.8	1212.2
67.5°	1193.1	1164.2	1142.5	1113.5	1084.4	1059.1	1045.2	1037.6
70°	998.4	974.3	952.8	921.1	902.2	878.1	868.0	860.4
72.5°	804.7	790.8	764.2	744.0	722.6	703.5	697.2	689.6
75°	622.5	606.1	585.9	573.2	556.8	546.7	541.5	536.5
77.5°	456.7	442.9	431.5	426.4	418.8	408.7	405.0	401.1
80°	316.3	310.0	302.5	301.2	296.1	288.5	287.2	286.0
82.5°	205.0	201.3	198.7	198.7	196.1	191.0	189.9	189.9
85°	113.9	112.6	113.9	112.6	110.1	107.5	107.5	107.5
87.5°	37.9	37.9	39.2	40.5	36.8	36.8	35.5	35.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)