

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: INVUE

Report Number: P180182

Luminaire Tested: **ICM-F03-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180182
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-5XQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6692.1 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

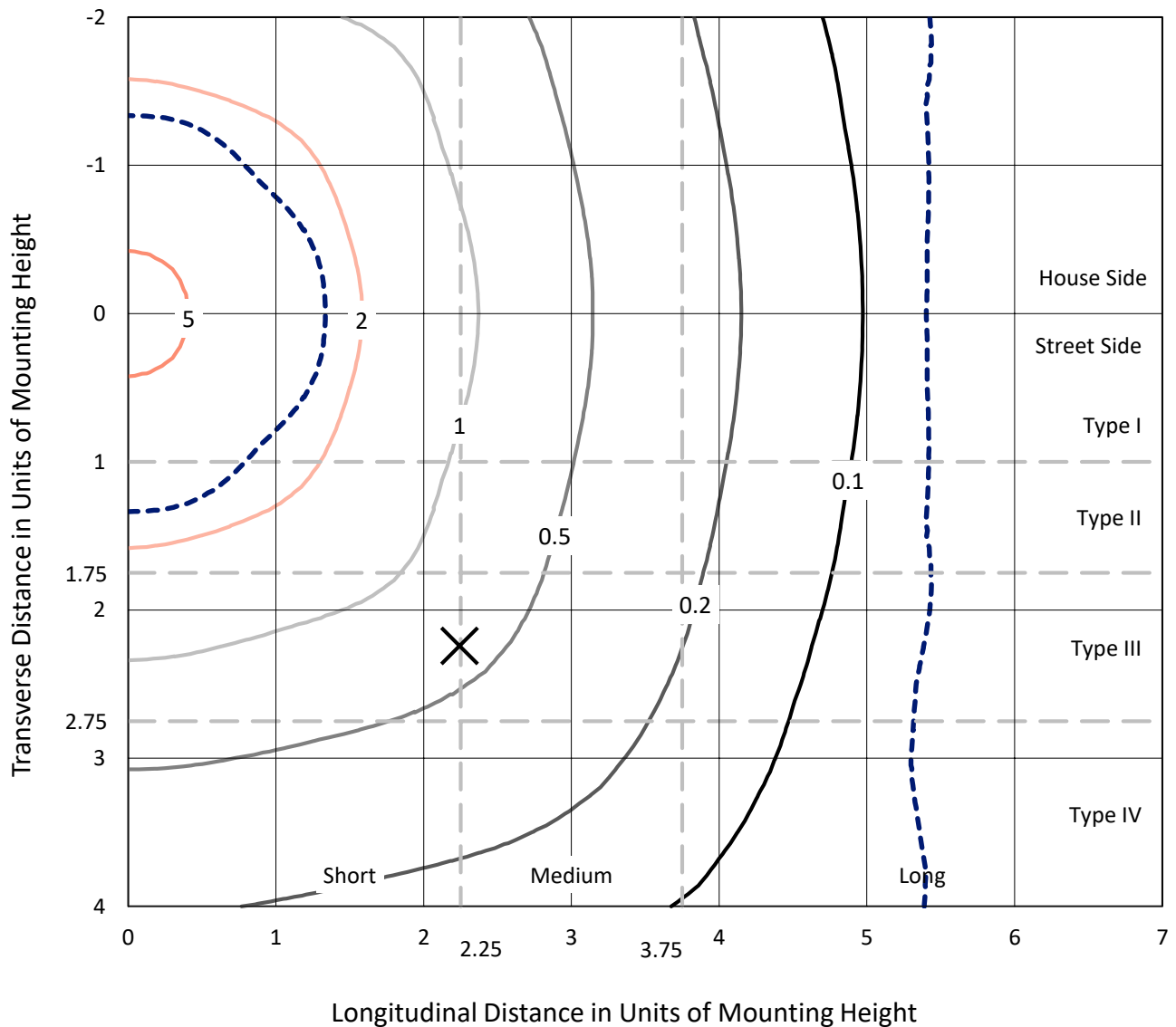
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180182
 CATALOG NUMBER: ICM-F03-LED-E1-5XQ-7030

Iso-Footcandle Lines of Horizontal Illumination

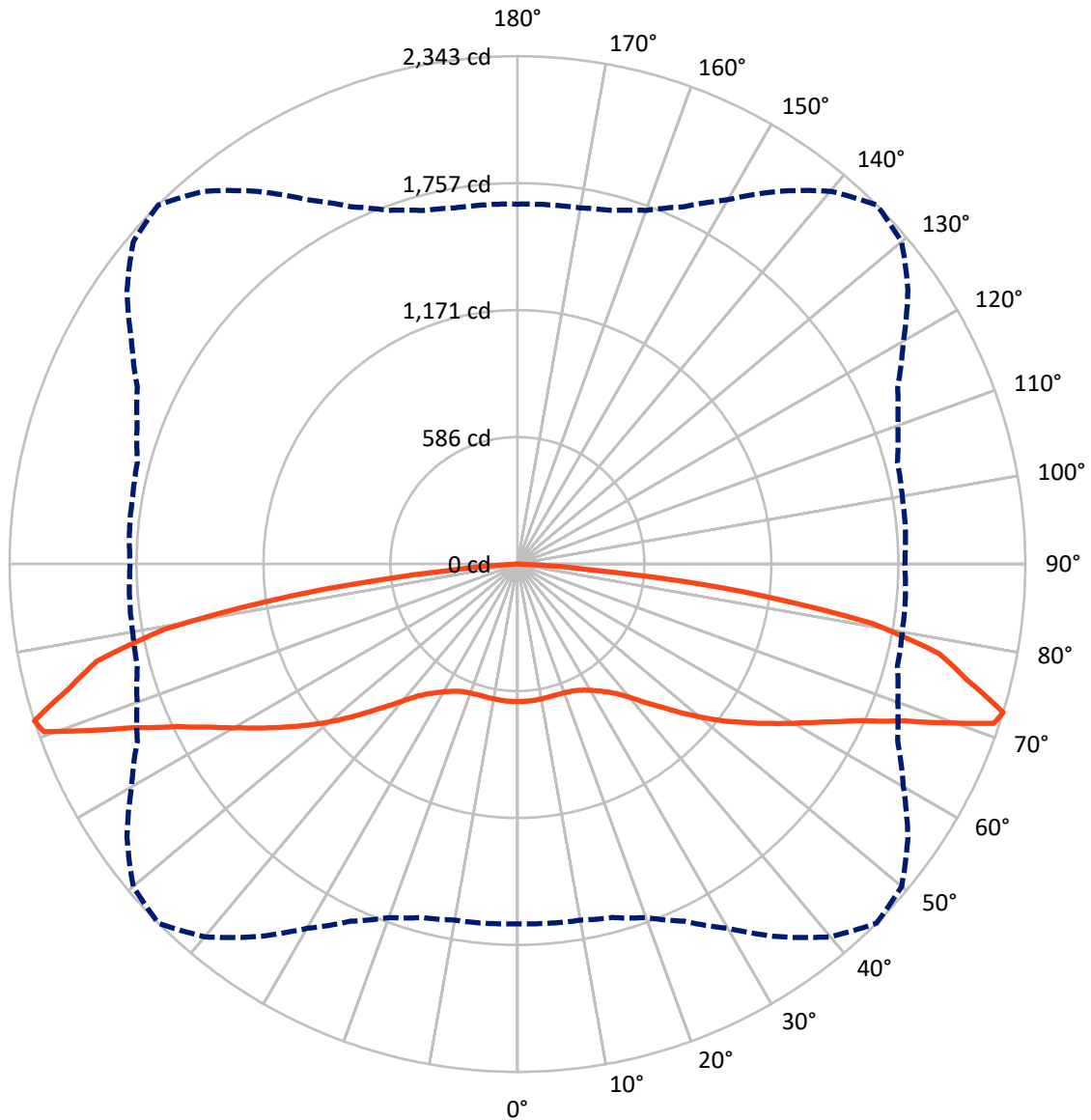
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P180182
CATALOG NUMBER: ICM-F03-LED-E1-5XQ-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P180182

CATALOG NUMBER: ICM-F03-LED-E1-5XQ-7030

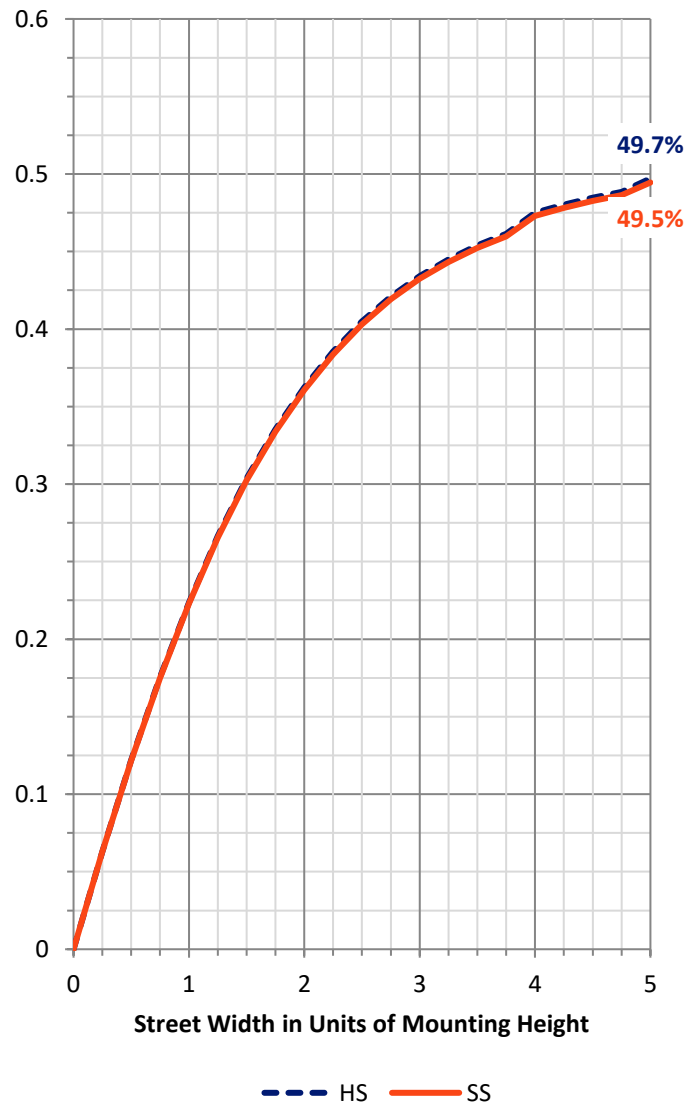
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3346.0	0.0	3346.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3346.0	0.0	3346.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6692.1	0.0	6692.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	0.9
10°-20°	178.8	2.7
20°-30°	299.3	4.5
30°-40°	456.3	6.8
40°-50°	728.7	10.9
50°-60°	1120.4	16.7
60°-70°	1631.3	24.4
70°-80°	1837.6	27.5
80°-90°	379.3	5.7
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°	6692.1	100.0
0°-180°	6692.1	100.0



REPORT NUMBER: P180182

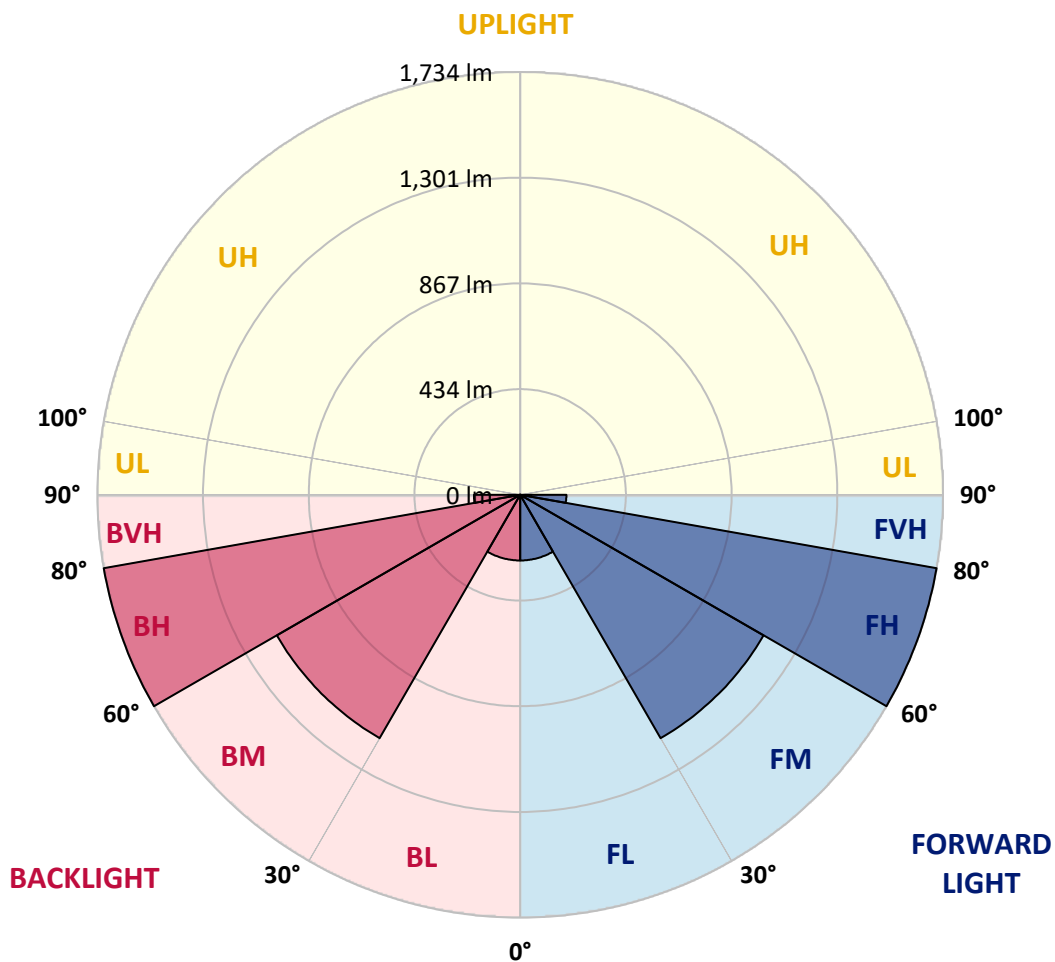
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.3	4.0			
FM	(30°-60°)	1152.7	17.2			
FH	(60°-80°)	1734.4	25.9			G1/1800
FVH	(80°-90°)	189.7	2.8			G2/225
BL	(0°-30°)	269.3	4.0	B1/500		
BM	(30°-60°)	1152.7	17.2	B2/2500		
BH	(60°-80°)	1734.4	25.9	B3/2500		G1/1800
BVH	(80°-90°)	189.7	2.8			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





REPORT NUMBER: P180182

CATALOG NUMBER: ICM-F03-LED-E1-5XQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	635.2	635.4	635.3	634.9	635.1	634.9	634.6	634.4	633.1	633.9	635.0
5°	635.1	634.8	634.6	634.4	634.4	635.0	634.4	633.9	633.7	634.1	633.6
7.5°	634.8	634.1	633.7	633.5	633.7	633.9	633.3	632.7	633.2	632.7	631.9
10°	633.7	633.1	633.3	632.7	632.8	632.7	631.9	631.4	631.8	631.3	630.3
12.5°	634.1	633.1	633.0	632.7	632.5	632.3	631.4	630.6	630.7	630.3	629.5
15°	634.1	633.5	633.3	632.7	632.5	632.2	631.1	630.7	630.7	630.2	629.1
17.5°	634.4	634.1	634.1	633.1	632.8	632.7	631.4	630.9	631.4	630.3	629.7
20°	635.4	635.1	635.3	634.7	634.1	634.1	633.1	632.8	633.0	632.8	630.9
22.5°	637.6	637.6	638.0	637.8	637.6	637.8	637.0	637.0	637.2	637.2	635.6
25°	643.5	643.4	643.7	643.7	643.9	645.1	644.6	644.4	645.3	645.3	643.7
27.5°	654.7	654.4	654.7	655.1	656.0	657.6	657.2	657.8	659.2	658.8	657.4
30°	667.7	667.4	668.3	669.3	670.0	672.5	671.4	674.1	675.3	676.3	675.3
32.5°	686.7	686.7	688.2	688.9	690.5	693.0	693.3	695.4	697.0	698.8	697.5
35°	711.9	711.5	712.7	714.1	715.9	718.2	719.1	721.9	724.4	725.6	723.4
37.5°	750.5	748.6	750.9	751.5	753.1	753.7	756.1	759.6	762.2	761.9	760.3
40°	802.8	802.4	801.5	800.5	802.9	803.8	803.8	808.6	812.7	812.1	811.9
42.5°	863.8	862.1	861.1	861.1	862.5	862.9	868.3	871.8	874.8	875.5	874.8
45°	929.3	927.8	928.1	927.4	927.9	930.2	933.4	939.9	945.5	945.7	942.7
47.5°	999.8	994.9	998.8	993.4	996.7	998.4	1006.3	1015.8	1025.6	1027.4	1024.8
50°	1071.4	1070.9	1070.5	1069.4	1071.1	1074.9	1084.5	1099.4	1108.9	1115.2	1111.0
52.5°	1149.6	1147.0	1145.7	1144.0	1145.6	1153.1	1166.6	1179.5	1196.6	1203.7	1198.0
55°	1225.7	1224.8	1220.2	1220.1	1223.4	1235.2	1249.9	1265.9	1284.3	1292.3	1290.2
57.5°	1303.9	1298.8	1297.4	1295.3	1302.0	1313.0	1331.1	1359.8	1379.0	1388.1	1382.8
60°	1380.3	1376.5	1373.5	1372.8	1377.4	1392.8	1418.7	1453.3	1476.9	1488.9	1480.5
62.5°	1462.4	1460.0	1456.5	1452.4	1462.1	1481.9	1514.1	1552.4	1587.3	1602.0	1589.2
65°	1564.5	1559.4	1555.5	1550.4	1558.3	1583.3	1623.7	1677.6	1724.4	1741.6	1732.5
67.5°	1672.2	1667.4	1667.7	1664.6	1678.6	1713.1	1765.4	1838.5	1901.3	1930.6	1913.4
70°	1766.2	1768.8	1769.5	1782.2	1806.4	1859.0	1946.1	2060.5	2155.7	2200.5	2182.0
71°	1738.4	1744.2	1753.1	1766.5	1808.2	1870.4	1989.1	2127.8	2241.5	2317.2	2291.8
72.5°	1659.8	1663.4	1667.9	1688.2	1735.5	1817.9	1940.1	2098.6	2244.7	2342.6	2313.2
75°	1546.2	1549.6	1551.2	1565.3	1608.3	1680.2	1792.1	1932.7	2061.6	2145.0	2136.8
77.5°	1374.7	1375.3	1387.5	1409.4	1457.7	1539.9	1657.7	1803.6	1924.8	1989.7	1948.5
80°	987.2	980.6	993.1	1021.4	1081.0	1175.4	1296.0	1462.6	1597.0	1657.8	1593.9
82.5°	375.6	395.9	428.0	474.6	494.8	599.7	712.2	810.1	923.4	1050.0	1018.2
85°	40.3	45.4	57.0	70.7	89.2	123.4	170.6	232.8	287.1	337.4	299.5
87.5°	15.1	15.4	17.2	19.8	20.2	21.0	22.4	26.1	24.4	21.0	17.0
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: P180182

CATALOG NUMBER: ICM-F03-LED-E1-5XQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	634.1	634.2	634.1	634.2	634.2	633.6	633.7	633.3
5°	633.9	633.3	633.6	633.7	633.6	633.9	633.4	633.7
7.5°	633.0	632.0	632.3	632.3	632.0	632.5	632.1	632.0
10°	631.3	629.9	630.5	630.2	630.1	630.2	630.2	630.1
12.5°	629.7	628.8	629.0	628.8	628.7	629.1	629.0	629.2
15°	629.3	627.9	627.7	627.4	627.5	627.9	627.9	628.5
17.5°	629.0	627.3	627.0	626.7	626.9	627.5	627.7	627.4
20°	630.0	628.7	628.3	627.9	627.7	628.7	628.5	628.5
22.5°	635.0	633.2	633.0	631.6	631.1	631.6	631.3	631.3
25°	642.8	640.7	640.0	638.1	636.7	636.7	636.2	635.7
27.5°	657.0	653.9	653.2	651.5	649.7	650.1	649.0	648.7
30°	673.5	670.7	668.3	666.0	663.6	662.8	661.6	661.4
32.5°	695.1	691.9	688.9	686.1	683.0	681.8	679.6	678.5
35°	721.6	717.4	713.9	711.9	708.7	707.2	705.8	707.4
37.5°	758.5	753.5	751.7	749.4	747.4	744.8	745.4	744.9
40°	809.8	805.2	803.4	799.4	798.9	796.1	797.9	796.1
42.5°	873.1	864.6	863.4	860.3	859.2	857.6	858.3	857.1
45°	942.0	934.4	933.0	927.9	928.1	924.5	925.9	925.8
47.5°	1019.4	1011.5	1005.1	1001.4	1000.0	997.8	999.0	998.7
50°	1099.4	1088.8	1081.5	1074.3	1071.2	1072.1	1069.6	1073.9
52.5°	1185.3	1169.4	1159.2	1152.4	1146.4	1147.6	1148.0	1149.2
55°	1274.2	1254.0	1239.2	1230.2	1224.8	1225.1	1226.7	1228.1
57.5°	1363.6	1338.2	1318.2	1304.9	1301.4	1303.0	1303.0	1302.9
60°	1456.4	1426.0	1400.2	1385.0	1382.0	1381.0	1387.9	1385.6
62.5°	1556.0	1519.5	1492.8	1473.5	1468.9	1472.0	1478.1	1476.8
65°	1688.1	1637.4	1603.0	1583.9	1576.2	1579.4	1587.5	1587.3
67.5°	1858.3	1787.5	1742.1	1717.6	1711.9	1715.8	1720.4	1724.8
70°	2112.9	2011.7	1946.9	1893.8	1871.0	1866.6	1871.2	1871.3
71°	2202.6	2086.3	1983.0	1918.2	1880.8	1865.0	1866.2	1858.3
72.5°	2198.9	2055.6	1934.8	1866.9	1815.1	1802.4	1796.3	1786.8
75°	2050.7	1921.6	1816.8	1742.8	1692.8	1677.9	1667.1	1666.5
77.5°	1859.7	1764.6	1648.9	1570.6	1509.8	1485.0	1474.0	1473.7
80°	1495.1	1352.5	1267.9	1220.8	1147.4	1126.1	1103.6	1095.3
82.5°	904.1	706.5	574.4	510.4	475.0	391.3	351.1	332.1
85°	210.6	149.6	103.1	67.6	48.7	38.7	29.8	26.3
87.5°	14.1	11.3	10.0	8.1	6.1	6.0	3.7	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)