

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: P180141

Luminaire Tested: **ICS-F03-LED-E1-5WQ-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180141  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F03-LED-E1-5WQ-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5989.6 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G1

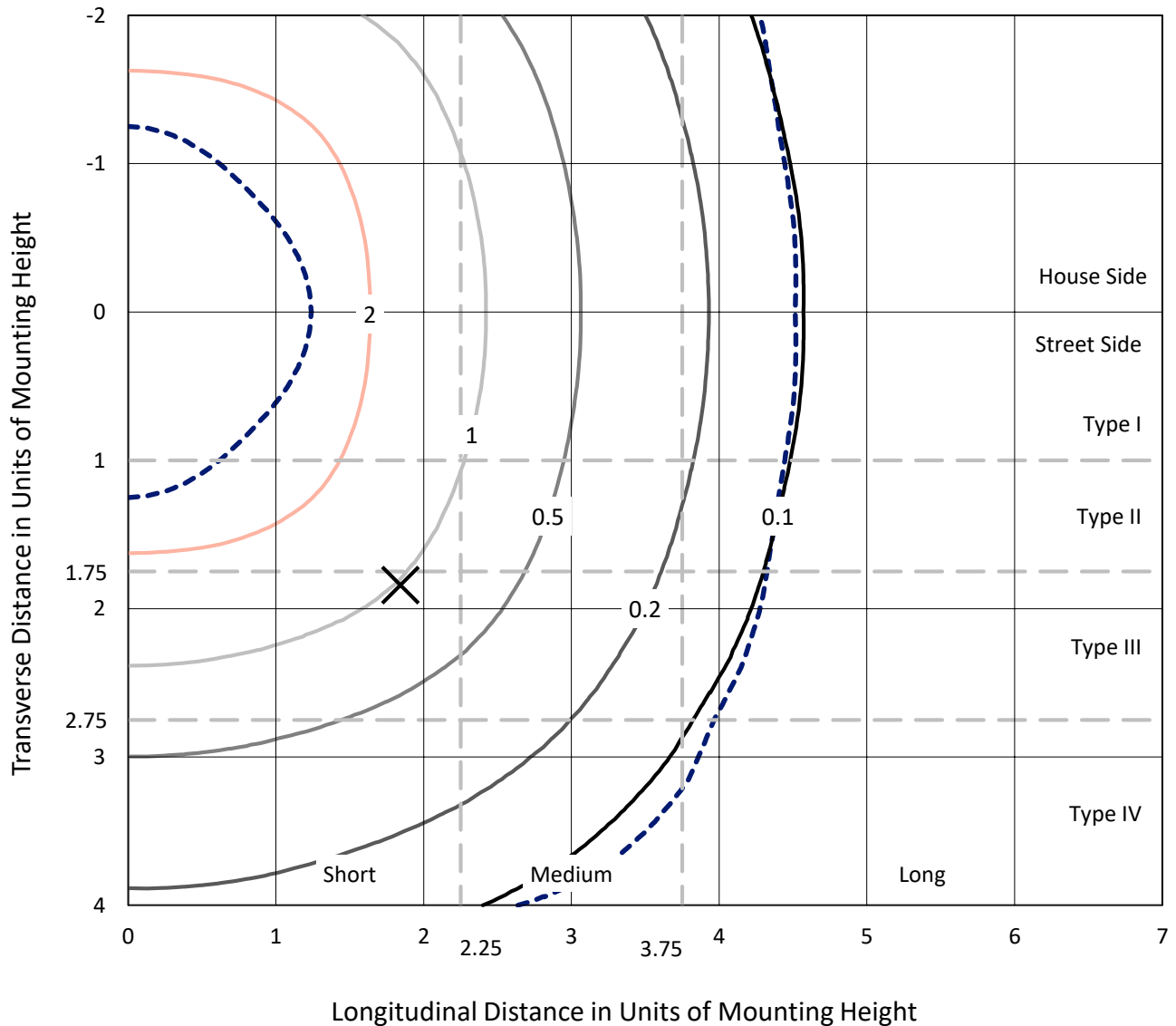
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

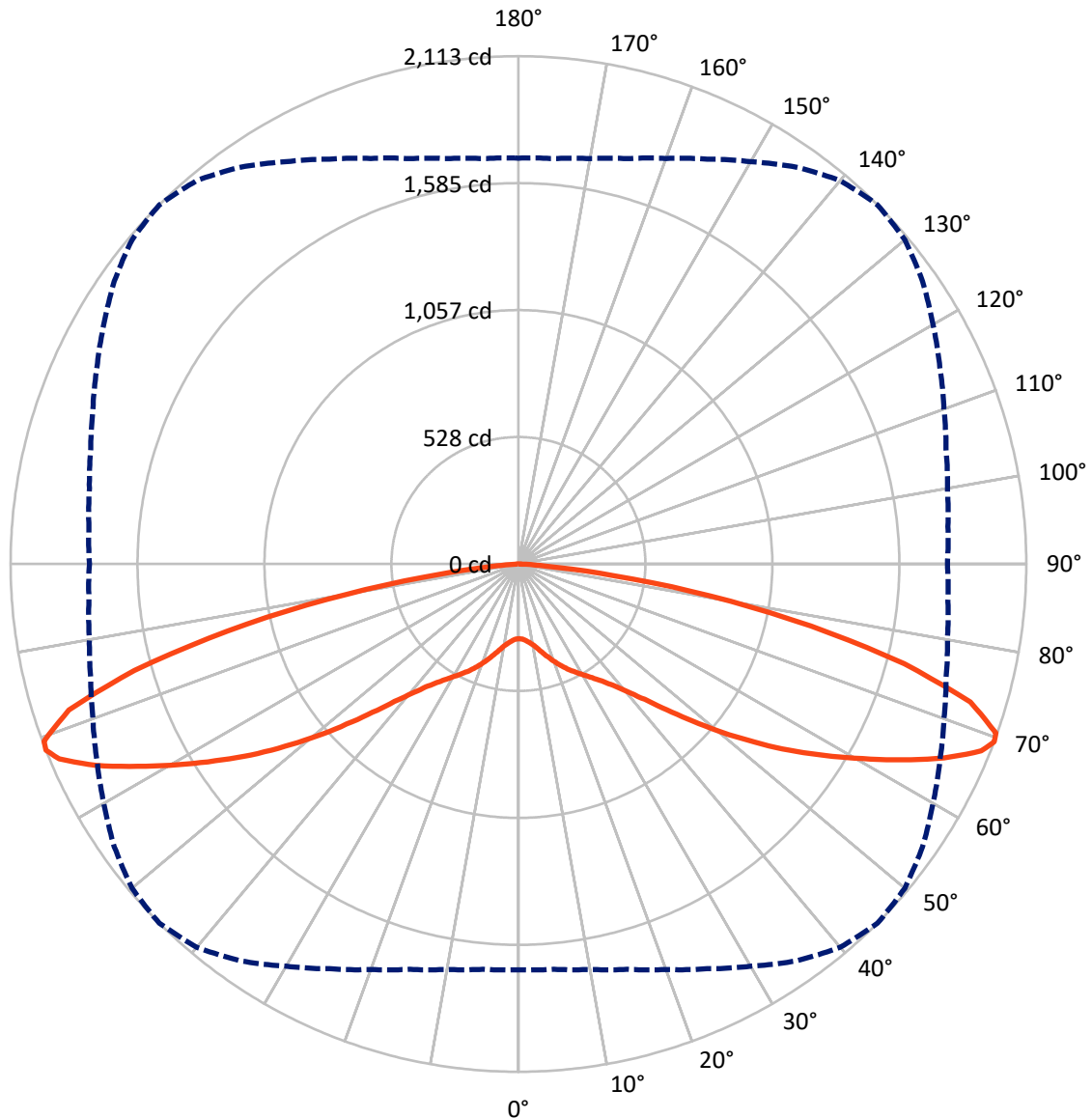
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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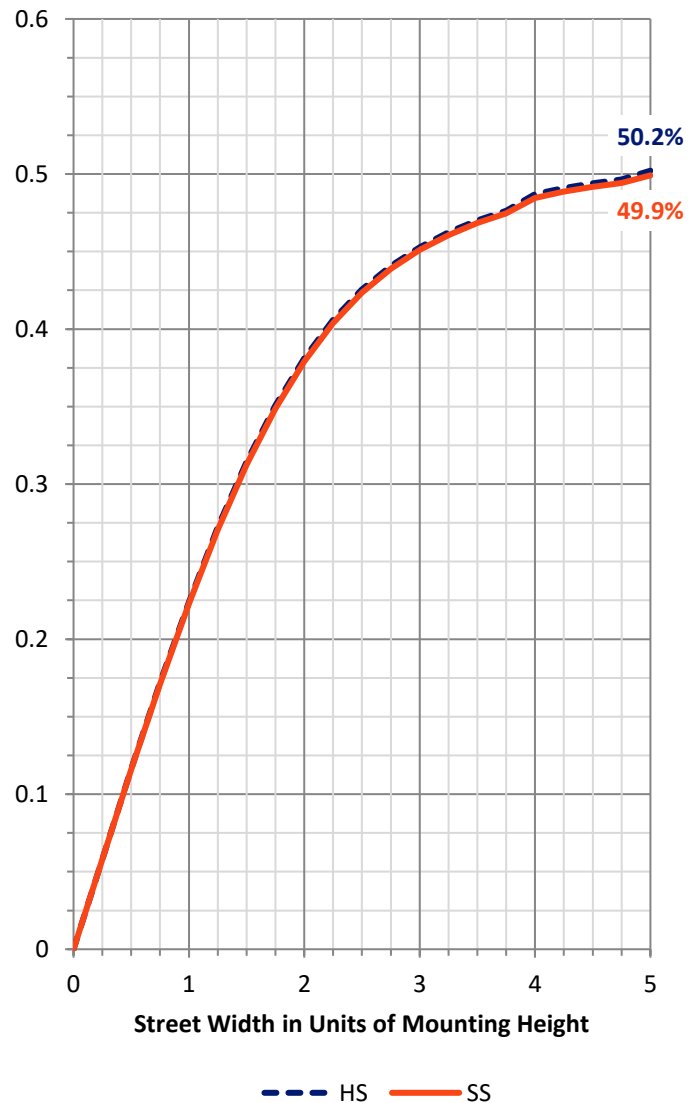
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2994.8	0.0	2994.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2994.8	0.0	2994.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5989.6	0.0	5989.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	0.5
10°-20°	110.3	1.8
20°-30°	223.3	3.7
30°-40°	374.4	6.3
40°-50°	660.4	11.0
50°-60°	1164.7	19.4
60°-70°	1778.1	29.7
70°-80°	1485.8	24.8
80°-90°	161.4	2.7
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°	5989.6	100.0
0°-180°	5989.6	100.0



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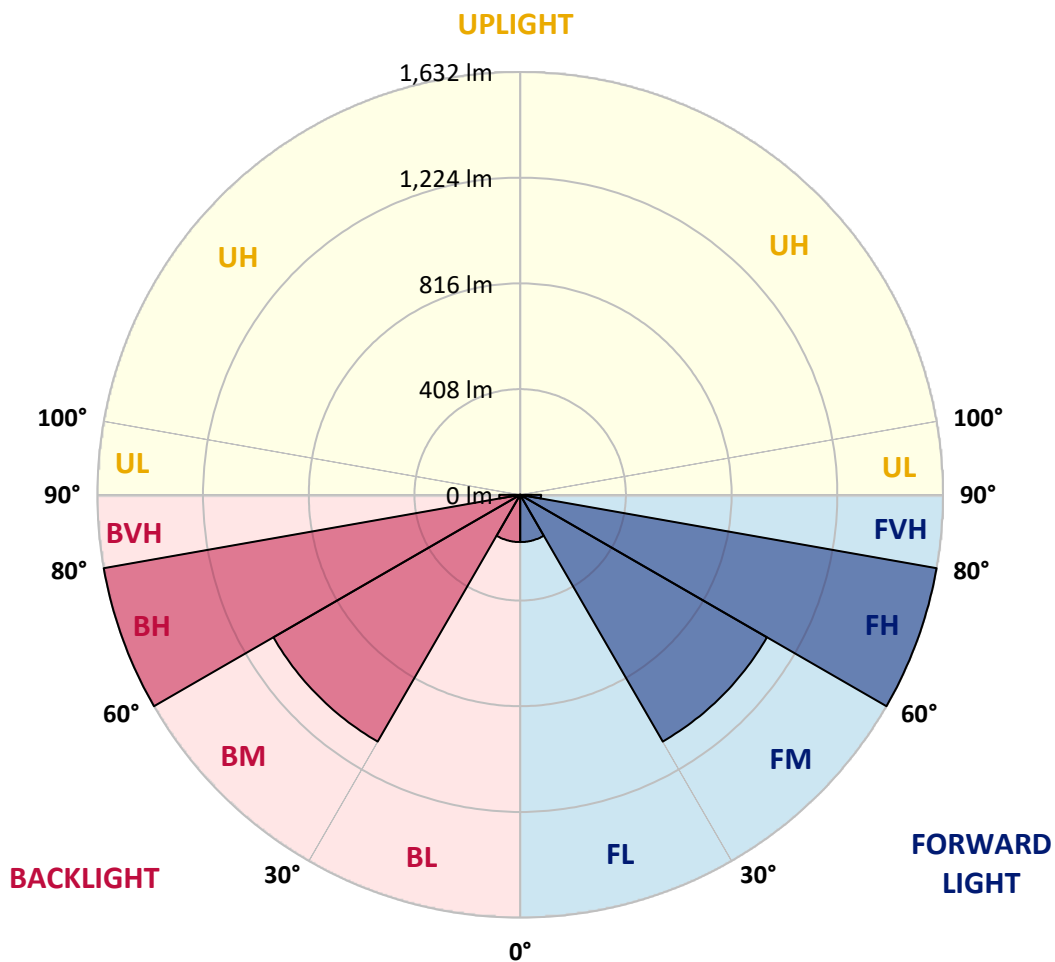
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.4	3.0			
FM (30°-60°)	1099.7	18.4			
FH (60°-80°)	1631.9	27.2			G1/1800
FVH (80°-90°)	80.7	1.3			G1/100
BL (0°-30°)	182.4	3.0	B1/500		
BM (30°-60°)	1099.7	18.4	B2/2500		
BH (60°-80°)	1631.9	27.2	B3/2500		G1/1800
BVH (80°-90°)	80.7	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0
2.5°	313.5	314.2	313.5	313.5	313.5	313.5	313.5	312.9	312.9	312.9	313.5
5°	319.8	320.4	319.8	320.4	320.4	320.4	320.4	319.8	319.8	319.8	319.8
7.5°	329.9	329.9	329.9	330.5	329.9	329.9	330.5	329.9	329.9	329.9	329.9
10°	344.3	343.6	343.6	343.6	343.6	343.6	344.3	344.3	344.3	343.6	343.6
12.5°	361.8	361.2	361.8	361.8	362.5	362.5	362.5	362.5	362.5	362.5	361.8
15°	383.2	383.2	383.2	383.8	385.0	385.0	384.4	385.0	385.0	385.0	385.0
17.5°	407.0	408.2	407.0	407.6	408.2	407.6	408.9	409.5	410.1	409.5	407.6
20°	431.4	432.1	432.1	432.1	432.1	433.3	434.0	434.0	435.8	435.2	434.6
22.5°	454.6	455.9	455.9	456.5	456.5	458.4	458.4	458.4	459.7	460.9	459.7
25°	479.1	478.5	478.5	479.7	480.4	482.9	482.9	484.1	486.0	486.6	485.4
27.5°	501.0	500.4	500.4	502.3	502.9	506.1	506.1	508.6	509.8	510.5	509.2
30°	524.3	524.3	523.6	525.5	527.4	529.9	531.2	533.7	535.5	536.2	534.9
32.5°	551.8	550.6	551.2	552.5	553.7	556.2	558.1	561.3	563.8	564.4	563.1
35°	583.2	581.3	581.9	583.2	585.1	588.8	592.0	593.9	597.6	598.9	596.4
37.5°	617.7	618.3	617.7	620.8	624.0	628.4	632.1	634.6	638.4	640.3	638.4
40°	666.6	664.7	666.6	669.7	674.8	680.4	687.9	689.8	693.6	697.3	692.9
42.5°	729.9	728.7	733.1	735.6	741.2	747.5	756.9	761.9	767.6	770.1	766.3
45°	812.7	812.7	817.7	818.4	827.1	835.3	848.5	854.7	865.4	865.4	865.4
47.5°	904.3	908.0	911.2	917.4	923.7	938.8	951.9	965.7	975.8	977.0	975.1
50°	999.0	1002.7	1012.1	1020.9	1034.7	1053.5	1067.9	1086.1	1094.9	1102.4	1099.9
52.5°	1103.7	1104.3	1115.6	1126.9	1147.0	1167.7	1190.9	1209.7	1225.3	1232.2	1226.6
55°	1218.4	1219.7	1229.7	1241.7	1264.2	1288.1	1316.9	1336.3	1356.4	1369.0	1359.5
57.5°	1342.6	1343.2	1353.3	1367.7	1394.7	1418.5	1446.1	1473.7	1492.5	1503.8	1497.5
60°	1479.9	1483.1	1490.6	1508.8	1534.5	1559.6	1587.2	1611.6	1633.6	1645.5	1639.2
62.5°	1626.7	1629.8	1640.5	1654.9	1677.5	1705.1	1731.4	1762.8	1781.0	1794.1	1784.7
65°	1725.1	1730.8	1747.7	1767.2	1800.4	1836.1	1866.9	1909.5	1931.5	1947.1	1938.4
67.5°	1731.4	1734.5	1755.2	1784.7	1829.2	1883.2	1945.9	2012.4	2055.6	2076.3	2061.3
69°	1688.8	1693.2	1713.2	1746.5	1796.0	1858.7	1933.3	2016.1	2082.6	2113.3	2098.9
70°	1640.5	1649.9	1671.8	1708.2	1756.5	1822.3	1899.5	1987.9	2065.7	2107.7	2097.0
72.5°	1538.9	1541.4	1555.8	1584.7	1621.7	1676.2	1749.0	1832.4	1906.4	1966.6	1975.4
75°	1365.8	1374.0	1384.6	1404.1	1422.9	1462.4	1511.3	1568.4	1611.6	1658.0	1659.9
77.5°	1032.2	1056.7	1064.8	1069.2	1077.4	1108.7	1151.3	1200.9	1236.6	1244.2	1242.9
80°	463.4	496.0	503.6	539.3	561.3	613.3	678.5	754.4	805.2	810.8	797.0
82.5°	90.9	97.2	113.5	141.7	193.1	223.9	266.5	319.8	368.7	397.0	380.0
85°	30.1	32.0	37.0	40.8	47.0	53.3	64.6	80.3	99.7	110.4	98.5
87.5°	11.9	11.9	13.8	15.1	16.3	16.3	16.3	15.1	14.4	11.9	10.7
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°	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0
2.5°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
5°	319.8	319.2	319.2	318.6	318.6	318.6	318.6	318.6
7.5°	329.2	328.6	328.0	328.6	328.0	328.0	328.0	328.0
10°	343.6	342.4	341.8	341.1	341.1	341.1	340.5	340.5
12.5°	360.6	360.6	360.0	359.3	358.1	358.7	358.1	356.8
15°	383.8	382.5	381.9	381.3	380.0	380.0	380.0	379.4
17.5°	407.0	405.7	405.7	403.8	403.2	403.2	403.2	403.8
20°	432.7	430.8	429.6	428.3	427.1	427.7	426.4	427.7
22.5°	458.4	455.9	454.6	452.8	450.9	450.9	450.3	449.0
25°	483.5	480.4	479.1	477.2	474.7	474.7	473.5	472.2
27.5°	507.3	504.2	502.9	499.2	496.7	496.0	494.8	494.2
30°	533.7	529.9	528.0	524.3	520.5	519.9	518.0	518.0
32.5°	561.3	557.5	556.2	550.6	547.5	547.5	546.2	544.9
35°	595.7	590.1	588.8	583.2	578.8	578.8	577.6	578.2
37.5°	636.5	632.1	627.7	623.3	618.3	617.7	616.4	615.2
40°	691.1	686.0	681.0	674.8	670.4	669.1	667.2	666.6
42.5°	763.8	758.8	748.8	743.7	739.3	735.6	735.0	734.3
45°	856.6	850.3	843.4	834.0	828.4	820.2	819.0	815.9
47.5°	968.2	956.3	944.4	936.3	927.5	918.1	916.2	911.2
50°	1086.8	1077.4	1057.3	1044.1	1030.3	1020.9	1014.6	1012.8
52.5°	1214.1	1196.5	1176.4	1158.9	1138.8	1126.3	1115.0	1111.8
55°	1347.0	1321.9	1296.8	1276.1	1256.1	1241.0	1230.4	1225.3
57.5°	1479.9	1452.4	1424.8	1402.2	1385.3	1365.8	1355.2	1352.6
60°	1618.5	1592.2	1564.0	1541.4	1520.7	1503.8	1497.5	1485.6
62.5°	1765.3	1737.7	1711.3	1689.4	1663.1	1651.1	1640.5	1633.6
65°	1909.5	1877.5	1844.3	1821.1	1794.7	1777.8	1764.6	1755.2
67.5°	2021.1	1972.8	1928.3	1889.4	1853.7	1827.4	1810.4	1801.6
69°	2052.5	1992.3	1935.2	1884.4	1842.4	1812.9	1794.1	1785.3
70°	2048.7	1982.3	1919.5	1863.7	1818.0	1786.6	1768.4	1752.1
72.5°	1932.7	1871.9	1802.3	1741.4	1700.1	1670.0	1651.8	1643.0
75°	1649.3	1608.5	1558.3	1511.3	1481.2	1463.6	1441.1	1441.7
77.5°	1200.9	1202.1	1168.3	1120.0	1086.1	1079.9	1069.8	1059.8
80°	745.0	685.4	646.5	594.5	556.2	523.0	508.6	477.2
82.5°	343.6	268.4	208.2	157.4	121.0	94.7	82.8	67.7
85°	76.5	58.3	48.3	38.9	33.2	30.7	25.1	23.2
87.5°	10.7	9.4	8.8	8.2	6.9	5.0	3.8	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)