

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: P180041

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180041  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F03-LED-E1-5MQ-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6064.8 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G1

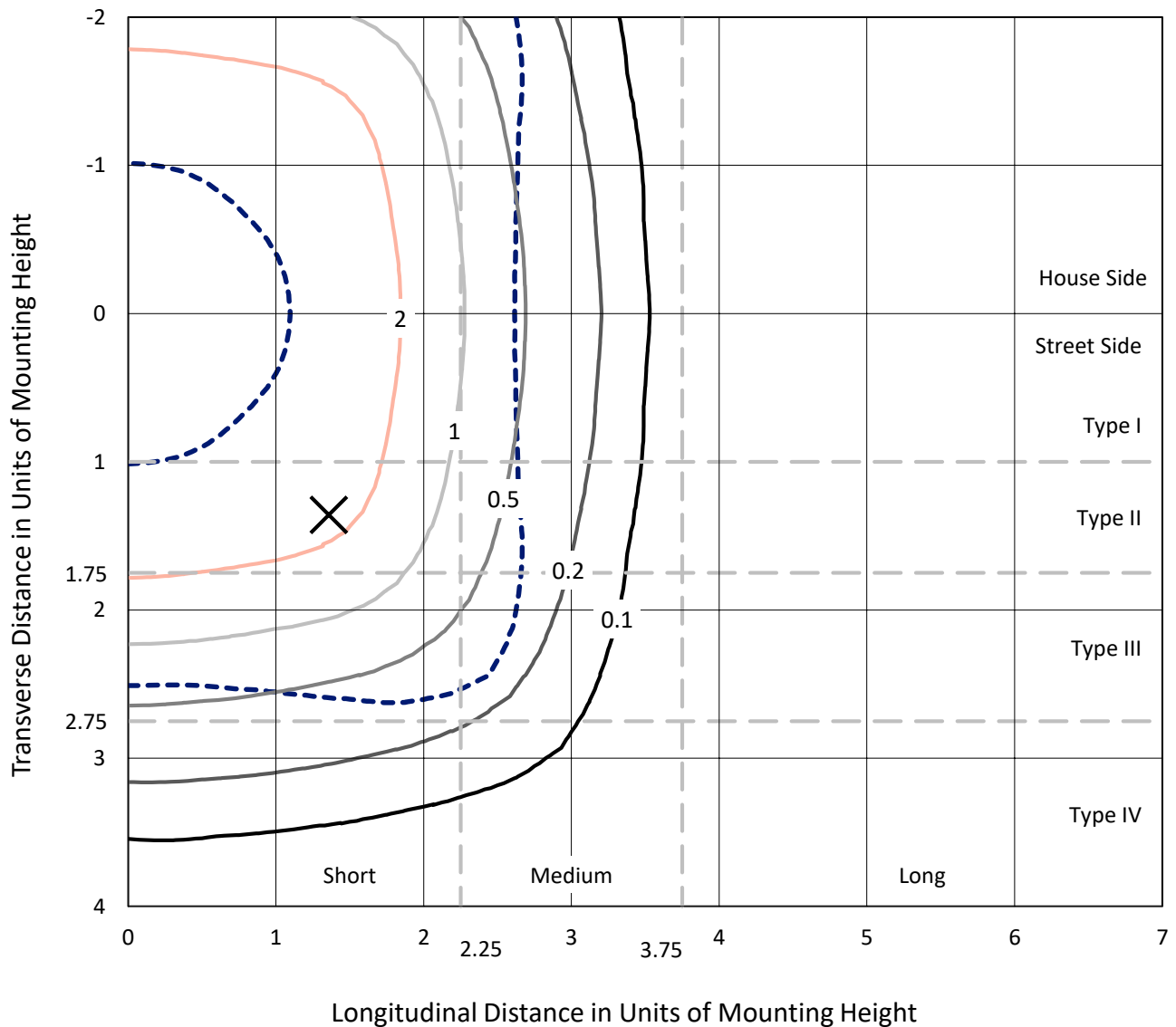
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

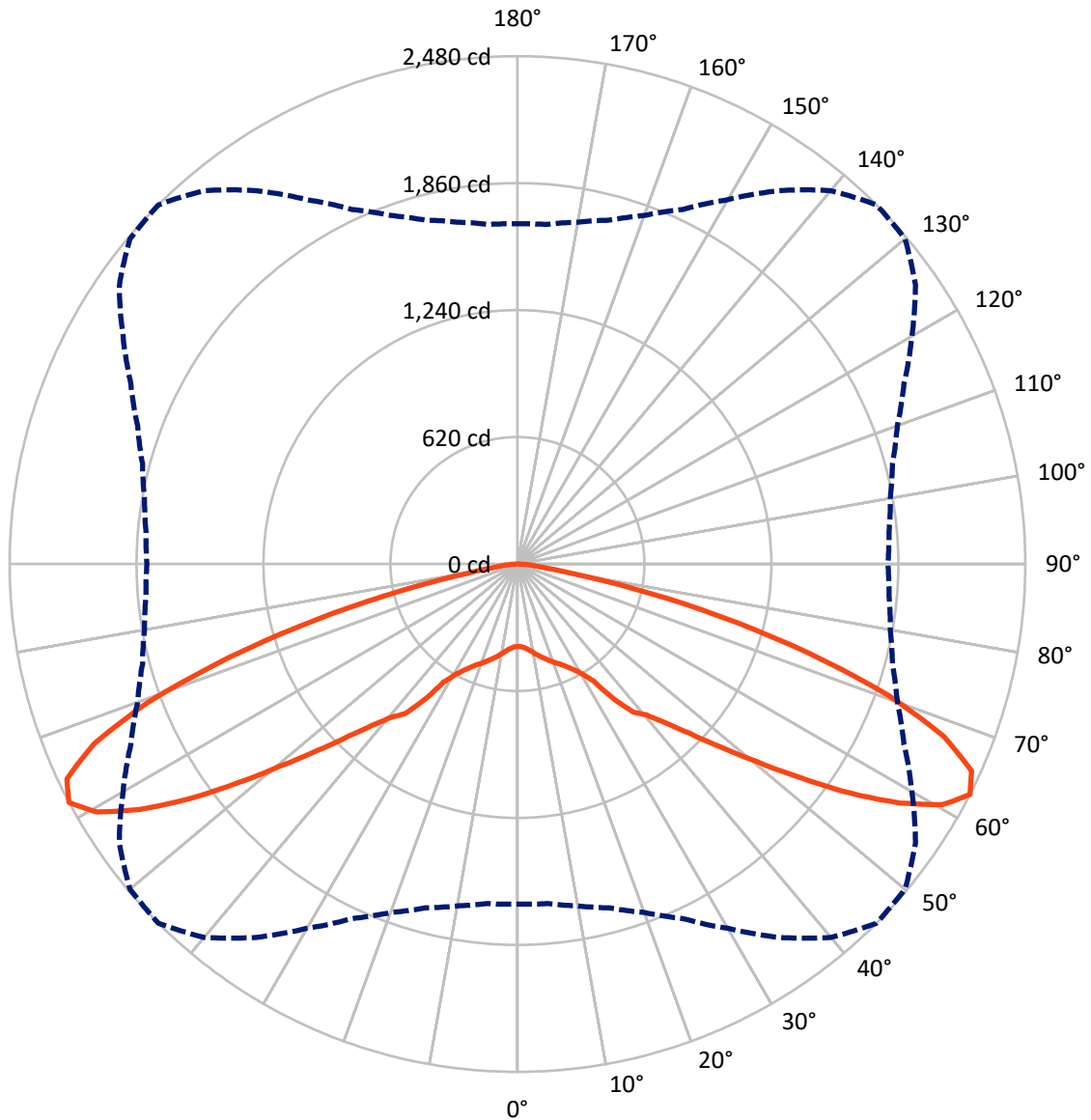
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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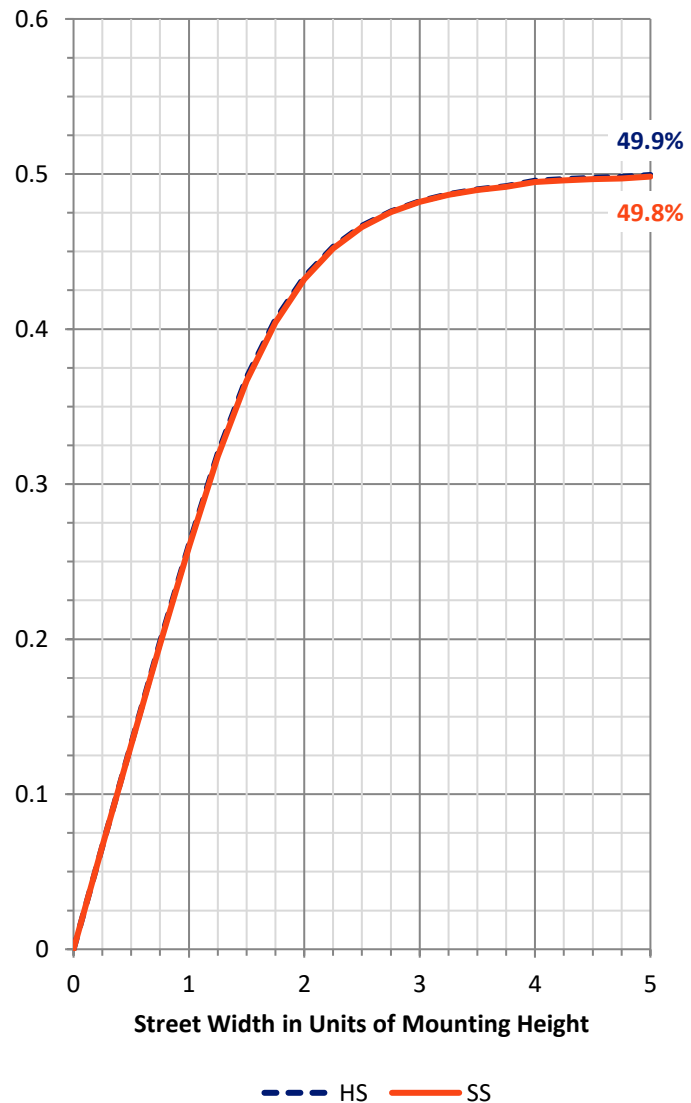
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3032.4	0.0	3032.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3032.4	0.0	3032.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6064.8	0.0	6064.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	0.7
10°-20°	136.4	2.2
20°-30°	263.7	4.3
30°-40°	510.6	8.4
40°-50°	921.9	15.2
50°-60°	1603.0	26.4
60°-70°	1819.8	30.0
70°-80°	705.5	11.6
80°-90°	63.6	1.0
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°	6064.8	100.0
0°-180°	6064.8	100.0



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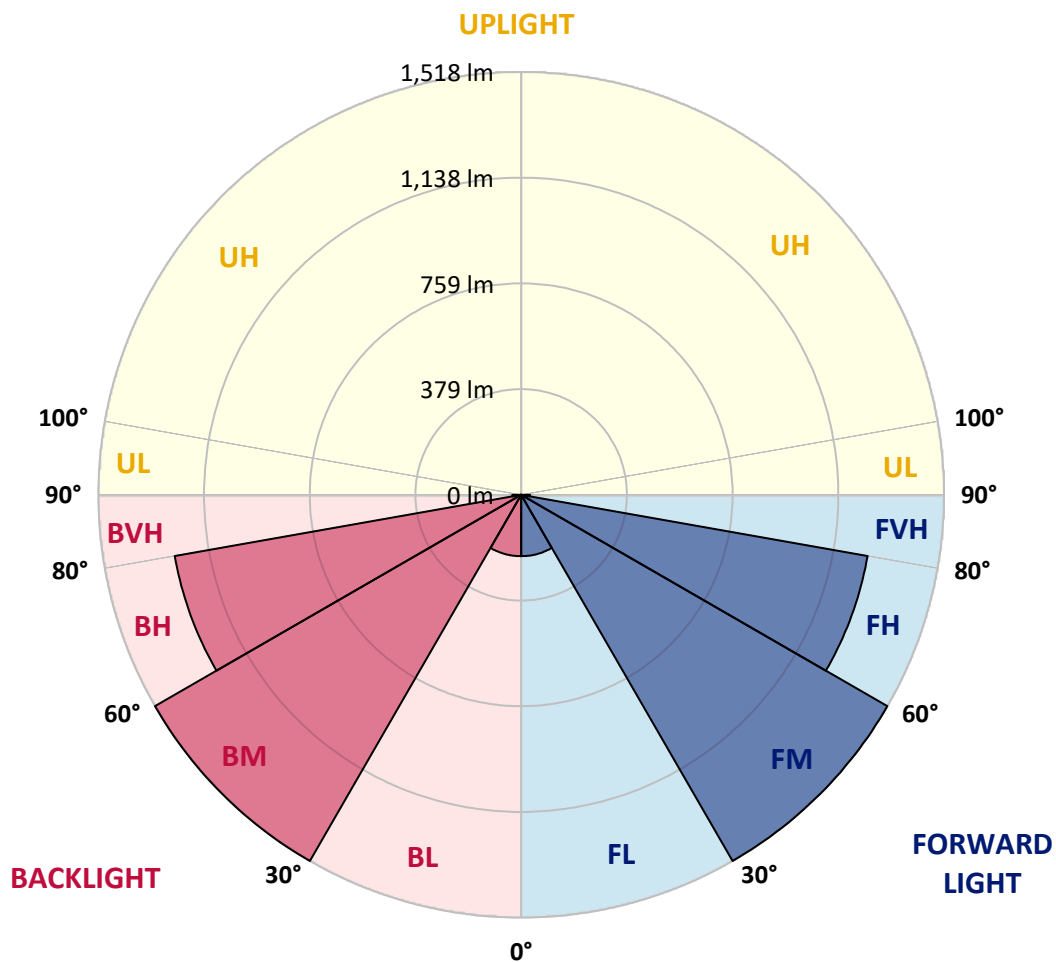
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.2	3.6			
FM	(30°-60°)	1517.7	25.0			
FH	(60°-80°)	1262.7	20.8			G1/1800
FVH	(80°-90°)	31.8	0.5			G1/100
BL	(0°-30°)	220.2	3.6	B1/500		
BM	(30°-60°)	1517.7	25.0	B2/2500		
BH	(60°-80°)	1262.7	20.8	B3/2500		G1/1800
BVH	(80°-90°)	31.8	0.5			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°	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6
2.5°	405.1	406.3	406.0	405.4	405.4	405.4	405.1	404.2	403.8	404.5	405.1
5°	414.5	414.5	414.5	414.5	413.9	413.8	413.2	412.6	413.0	412.3	412.0
7.5°	429.0	428.0	428.0	427.7	427.7	427.0	426.1	424.9	425.2	424.8	424.6
10°	445.8	446.2	445.2	446.2	444.6	444.3	443.0	442.4	442.1	441.2	441.2
12.5°	466.2	465.3	465.3	464.6	464.0	463.4	461.6	461.2	460.0	459.4	458.4
15°	485.4	485.1	483.8	482.6	482.2	481.6	479.4	478.2	477.8	476.2	475.0
17.5°	504.5	503.9	502.3	501.7	500.4	499.4	497.6	495.7	494.8	494.2	492.6
20°	524.8	524.3	522.6	521.4	519.8	518.6	515.8	514.2	513.3	512.3	511.0
22.5°	550.3	549.0	546.6	544.4	540.8	539.6	535.8	533.7	532.1	530.8	530.2
25°	577.9	578.2	574.8	572.0	567.8	564.4	559.7	557.2	555.6	554.3	554.0
27.5°	612.4	612.7	609.6	605.4	599.2	595.4	589.2	586.0	585.1	583.8	583.6
30°	666.9	664.1	658.8	652.2	646.5	638.4	629.3	626.2	623.0	622.0	622.0
32.5°	767.2	765.7	761.3	745.0	737.4	720.6	704.5	695.4	685.1	680.1	677.0
35°	837.5	836.8	833.4	827.8	823.0	819.6	810.2	808.6	806.8	806.8	809.3
37.5°	889.2	885.5	884.8	885.8	884.5	885.2	892.6	903.0	911.8	916.2	915.6
40°	965.7	960.4	963.6	961.4	958.5	957.9	960.4	964.5	968.6	968.6	967.6
42.5°	1065.8	1068.2	1069.5	1060.4	1054.4	1052.9	1058.8	1057.6	1061.6	1060.1	1056.0
45°	1214.4	1212.8	1210.6	1199.6	1190.2	1182.7	1184.3	1182.1	1182.4	1179.9	1176.8
47.5°	1364.2	1369.6	1360.4	1355.2	1344.5	1339.2	1343.6	1339.8	1347.0	1333.8	1327.6
50°	1509.8	1513.5	1510.4	1502.8	1502.9	1510.4	1515.7	1522.6	1532.6	1517.6	1495.0
52.5°	1628.9	1632.0	1636.8	1643.0	1658.4	1674.4	1697.0	1721.0	1740.2	1737.4	1711.6
55°	1701.6	1705.4	1713.2	1734.9	1762.4	1804.4	1855.6	1911.7	1955.6	1977.0	1958.2
57.5°	1726.1	1729.0	1750.2	1776.2	1819.2	1881.6	1967.2	2064.1	2148.4	2202.0	2193.6
60°	1720.4	1720.4	1742.1	1777.8	1838.0	1920.8	2041.8	2176.0	2305.2	2385.4	2373.6
62.5°	1661.2	1664.3	1695.4	1738.3	1811.0	1910.2	2054.4	2225.8	2380.5	2480.2	2470.4
65°	1531.4	1533.6	1567.1	1618.2	1699.4	1816.7	1974.4	2164.4	2341.6	2437.5	2419.4
67.5°	1321.6	1323.8	1351.1	1408.8	1494.7	1617.3	1787.5	1996.6	2170.0	2246.0	2191.4
70°	1051.4	1057.6	1075.2	1136.3	1201.6	1321.6	1478.4	1687.6	1851.2	1923.0	1862.8
72.5°	716.4	732.4	753.8	808.0	870.4	970.2	1094.9	1271.2	1402.5	1485.6	1432.0
75°	403.5	426.1	432.7	473.8	525.2	603.9	695.2	821.5	954.2	1021.6	957.0
77.5°	174.3	192.8	201.0	220.1	260.2	293.2	348.6	434.0	536.5	583.8	506.4
80°	85.9	90.3	93.8	99.7	111.0	121.7	148.0	185.3	227.3	238.0	189.4
82.5°	66.4	69.6	75.6	80.2	83.1	85.9	88.4	93.4	97.5	99.7	94.1
85°	46.7	50.8	57.4	62.7	65.8	68.0	70.2	71.8	68.0	62.1	65.2
87.5°	12.2	16.0	22.2	24.2	27.3	28.8	28.2	29.2	26.4	19.2	21.3
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°	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6
2.5°	404.8	404.5	404.8	404.8	404.8	404.5	404.4	404.5
5°	412.0	412.0	412.4	411.6	411.7	412.0	411.7	411.4
7.5°	424.2	423.9	423.9	423.6	423.9	423.6	423.6	423.3
10°	440.6	439.9	440.2	439.3	439.3	439.0	439.0	439.0
12.5°	458.1	457.2	457.4	456.5	455.0	455.2	455.6	455.3
15°	475.0	474.1	473.2	472.5	471.6	471.8	471.9	471.6
17.5°	492.3	490.4	490.1	489.1	488.8	488.8	488.8	489.1
20°	510.2	508.9	508.6	507.6	507.4	508.3	508.6	507.9
22.5°	529.3	528.6	529.2	528.7	529.6	530.2	530.5	529.9
25°	553.4	552.8	553.7	556.0	557.2	557.8	559.4	558.7
27.5°	584.4	583.8	586.0	589.2	591.0	594.2	595.8	596.4
30°	624.6	627.4	628.6	635.0	636.2	641.2	641.2	643.4
32.5°	682.9	688.2	697.6	707.3	720.8	730.6	730.6	735.6
35°	810.8	813.0	820.2	821.8	824.6	827.8	824.6	827.1
37.5°	909.0	899.2	892.4	882.6	876.7	876.6	877.3	876.7
40°	959.2	955.4	952.2	944.1	942.8	942.6	942.6	943.8
42.5°	1048.8	1039.7	1034.7	1027.8	1025.6	1025.0	1024.7	1025.3
45°	1165.4	1150.7	1137.2	1130.4	1124.4	1118.8	1120.6	1120.6
47.5°	1301.2	1278.4	1256.4	1244.4	1234.1	1229.4	1226.2	1225.3
50°	1466.4	1434.4	1406.2	1384.0	1368.9	1368.6	1370.2	1360.2
52.5°	1669.0	1618.6	1583.4	1553.4	1539.2	1537.6	1532.6	1527.0
55°	1893.5	1833.6	1775.6	1743.3	1724.8	1714.8	1708.8	1699.4
57.5°	2125.0	2044.4	1960.9	1909.2	1876.6	1854.0	1842.1	1836.8
60°	2303.3	2193.2	2083.2	2000.2	1945.9	1912.4	1891.6	1883.2
62.5°	2373.6	2224.3	2083.2	1974.1	1895.8	1849.3	1821.4	1809.2
65°	2289.8	2113.0	1952.5	1832.0	1744.6	1692.8	1662.4	1649.3
67.5°	2056.0	1899.8	1725.2	1605.4	1515.4	1464.2	1431.4	1421.6
70°	1723.6	1564.0	1397.2	1290.2	1210.0	1168.2	1134.1	1130.0
72.5°	1295.3	1157.6	1014.6	926.2	861.6	792.6	775.1	783.9
75°	830.2	701.4	574.1	494.4	435.5	369.6	344.2	350.5
77.5°	393.2	304.4	219.8	170.0	142.6	122.0	116.6	113.5
80°	145.8	118.2	104.4	99.0	95.3	91.9	89.4	86.5
82.5°	94.4	92.2	89.4	88.4	85.6	81.2	73.0	69.6
85°	70.6	70.6	66.8	67.1	64.9	59.2	51.8	47.7
87.5°	20.7	18.5	16.9	15.6	15.4	13.8	10.0	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)