

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: P180242

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180242
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: ICS-F03-LED-E1-5XQ-7030
Description: ICON SITE SMALL 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: 6474.9 lumens
Efficiency: N/A
Efficacy: 82.7 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 (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

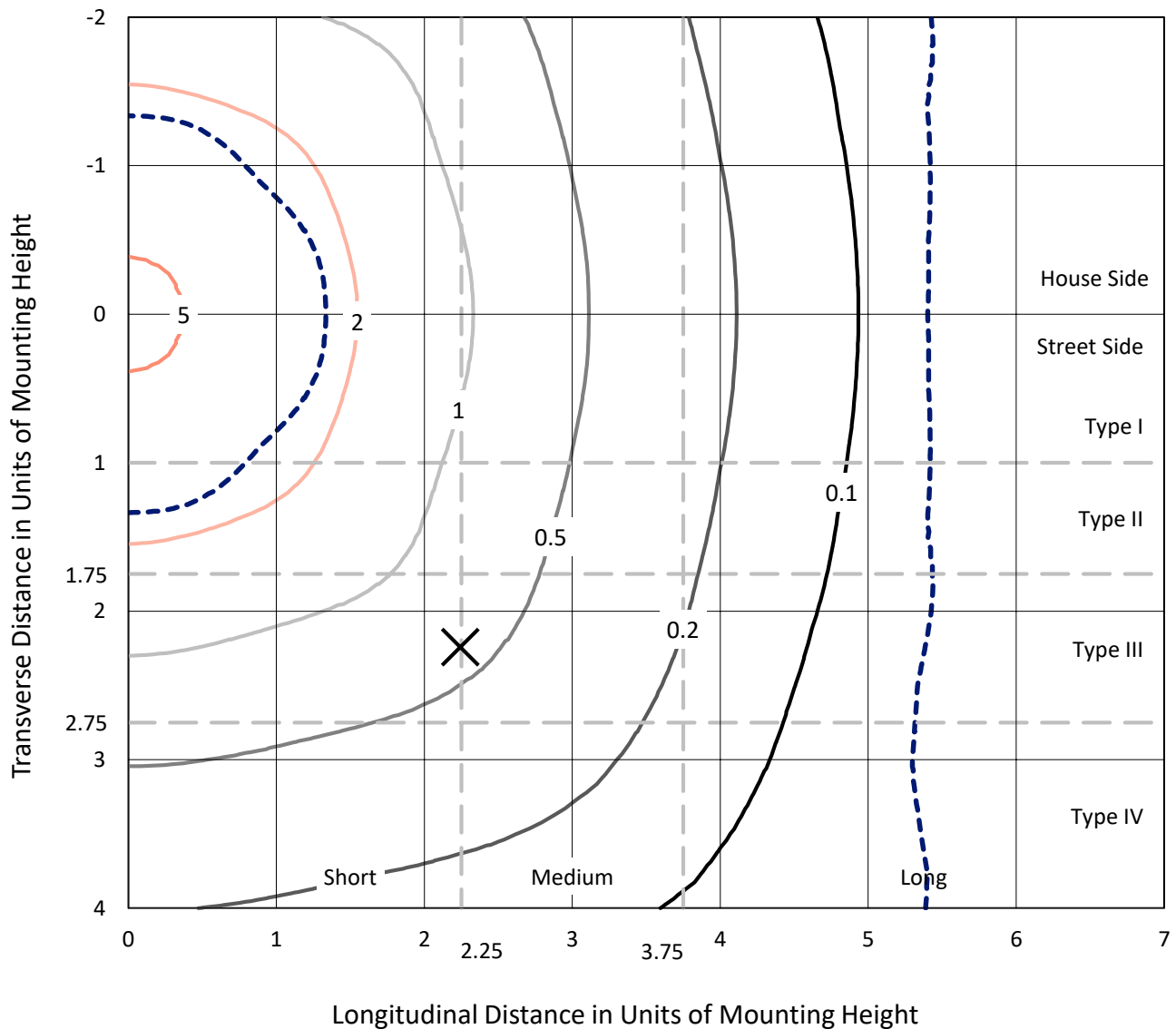


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

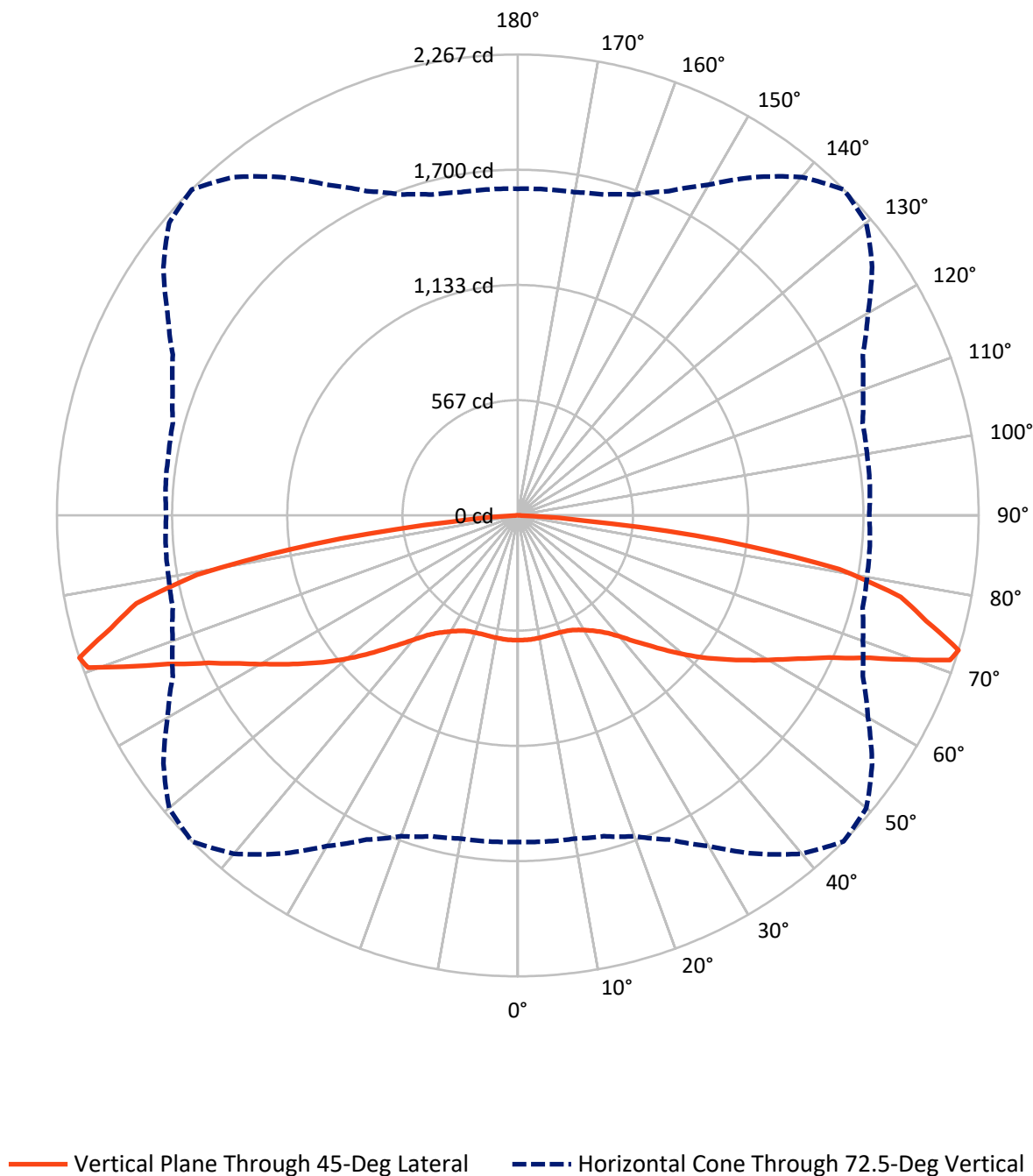


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3237.5	0.0	3237.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3237.5	0.0	3237.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6474.9	0.0	6474.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	0.9
10°-20°	173.0	2.7
20°-30°	289.6	4.5
30°-40°	441.5	6.8
40°-50°	705.0	10.9
50°-60°	1084.0	16.7
60°-70°	1578.3	24.4
70°-80°	1778.0	27.5
80°-90°	367.0	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°	6474.9	100.0
0°-180°	6474.9	100.0

Coefficient of Utilization



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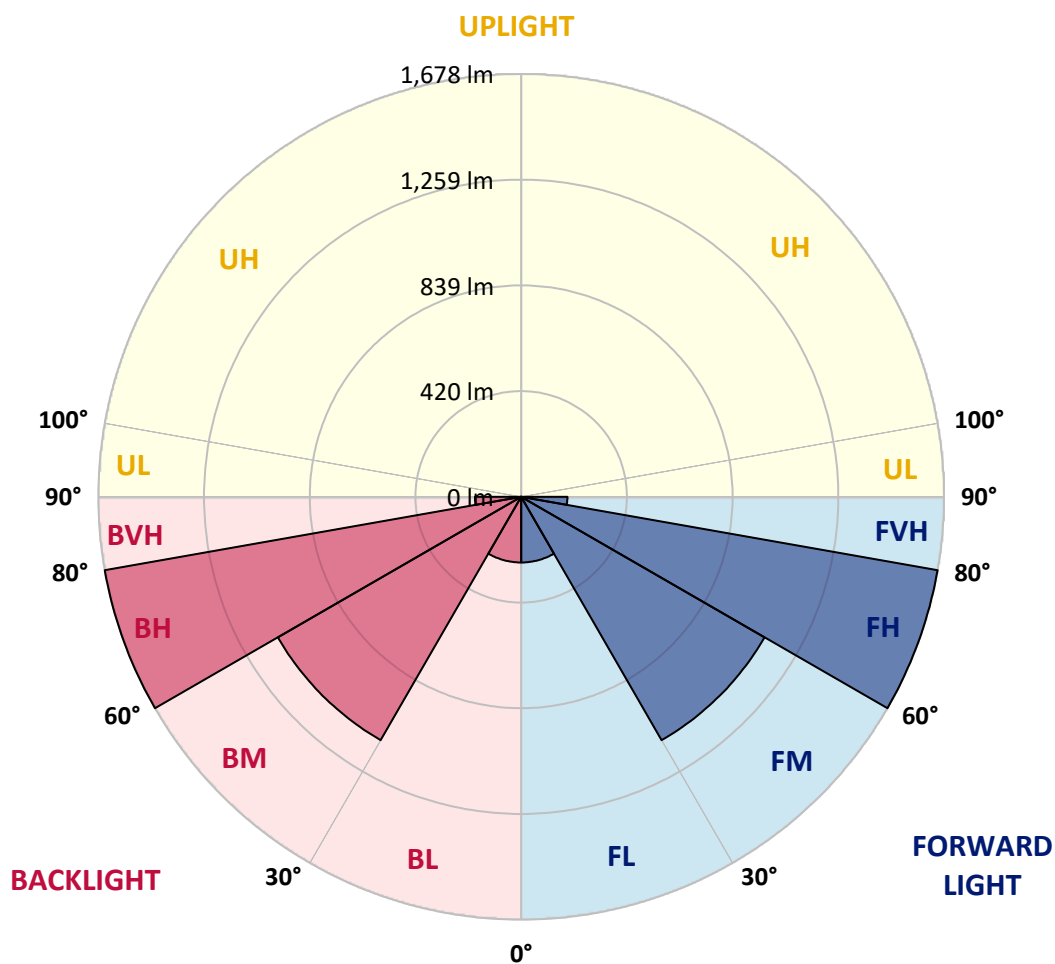
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.5	4.0			
FM	(30°-60°)	1115.3	17.2			
FH	(60°-80°)	1678.1	25.9			G1/1800
FVH	(80°-90°)	183.5	2.8			G2/225
BL	(0°-30°)	260.5	4.0	B1/500		
BM	(30°-60°)	1115.3	17.2	B2/2500		
BH	(60°-80°)	1678.1	25.9	B3/2500		G1/1800
BVH	(80°-90°)	183.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
2.5°	614.5	614.8	614.6	614.3	614.5	614.4	614.0	613.8	612.6	613.3	614.4
5°	614.5	614.2	614.0	613.8	613.8	614.3	613.8	613.3	613.1	613.5	613.0
7.5°	614.2	613.5	613.2	613.0	613.2	613.3	612.8	612.2	612.6	612.2	611.4
10°	613.2	612.6	612.8	612.1	612.3	612.2	611.4	610.9	611.3	610.8	609.9
12.5°	613.5	612.7	612.5	612.2	612.0	611.8	610.9	610.1	610.2	609.9	609.1
15°	613.5	613.0	612.8	612.2	612.0	611.6	610.6	610.3	610.2	609.8	608.7
17.5°	613.8	613.5	613.5	612.6	612.3	612.1	611.0	610.4	610.9	609.9	609.2
20°	614.8	614.5	614.7	614.2	613.5	613.5	612.6	612.3	612.4	612.3	610.4
22.5°	616.8	616.8	617.2	617.0	616.9	617.1	616.4	616.4	616.5	616.6	615.0
25°	622.6	622.5	622.8	622.8	623.0	624.2	623.7	623.5	624.3	624.3	622.8
27.5°	633.5	633.2	633.5	633.8	634.7	636.2	635.9	636.4	637.7	637.4	636.0
30°	646.0	645.7	646.6	647.6	648.2	650.7	649.6	652.2	653.4	654.3	653.4
32.5°	664.4	664.4	665.9	666.6	668.1	670.5	670.8	672.8	674.4	676.1	674.9
35°	688.8	688.5	689.7	690.8	692.7	694.9	695.8	698.5	700.9	702.0	699.8
37.5°	726.1	724.3	726.5	727.2	728.7	729.2	731.6	735.0	737.5	737.2	735.6
40°	776.7	776.4	775.5	774.5	776.8	777.7	777.7	782.3	786.4	785.7	785.5
42.5°	835.7	834.2	833.2	833.2	834.6	834.9	840.2	843.6	846.4	847.1	846.4
45°	899.2	897.6	898.0	897.3	897.8	900.0	903.1	909.4	914.8	915.0	912.1
47.5°	967.4	962.6	966.4	961.1	964.3	966.0	973.7	982.8	992.4	994.0	991.4
50°	1036.6	1036.1	1035.8	1034.8	1036.2	1040.0	1049.4	1063.8	1072.9	1079.0	1074.9
52.5°	1112.3	1109.8	1108.6	1106.9	1108.4	1115.6	1128.8	1141.3	1157.8	1164.7	1159.1
55°	1185.9	1185.1	1180.6	1180.5	1183.7	1195.1	1209.3	1224.8	1242.6	1250.4	1248.4
57.5°	1261.6	1256.6	1255.3	1253.3	1259.7	1270.4	1287.9	1315.7	1334.2	1343.0	1337.9
60°	1335.6	1331.8	1328.9	1328.2	1332.6	1347.6	1372.7	1406.1	1429.0	1440.6	1432.4
62.5°	1415.0	1412.6	1409.2	1405.3	1414.6	1433.8	1465.0	1502.0	1535.7	1550.0	1537.6
65°	1513.7	1508.8	1505.0	1500.1	1507.7	1531.9	1571.0	1623.1	1668.4	1685.0	1676.2
67.5°	1617.8	1613.3	1613.6	1610.6	1624.1	1657.6	1708.1	1778.8	1839.6	1868.0	1851.3
70°	1708.8	1711.4	1712.0	1724.4	1747.8	1798.7	1882.8	1993.6	2085.8	2129.0	2111.2
71°	1682.0	1687.6	1696.2	1709.1	1749.5	1809.8	1924.6	2058.8	2168.7	2242.0	2217.4
72.5°	1606.0	1609.4	1613.8	1633.5	1679.1	1758.8	1877.1	2030.5	2171.8	2266.6	2238.1
75°	1496.1	1499.2	1500.8	1514.6	1556.1	1625.7	1733.9	1870.0	1994.7	2075.4	2067.4
77.5°	1330.1	1330.6	1342.5	1363.7	1410.4	1490.0	1603.9	1745.1	1862.4	1925.1	1885.2
80°	955.1	948.7	961.0	988.2	1046.0	1137.2	1254.0	1415.1	1545.2	1604.0	1542.2
82.5°	363.4	383.1	414.2	459.3	478.8	580.2	689.2	783.8	893.4	1015.9	985.2
85°	39.1	43.9	55.1	68.4	86.4	119.4	165.1	225.3	277.8	326.4	289.8
87.5°	14.6	15.0	16.6	19.2	19.5	20.4	21.7	25.3	23.6	20.4	16.4
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°	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
2.5°	613.5	613.7	613.5	613.6	613.6	613.0	613.1	612.8
5°	613.3	612.8	613.0	613.2	613.0	613.3	612.8	613.2
7.5°	612.5	611.4	611.8	611.8	611.4	612.0	611.6	611.4
10°	610.8	609.4	610.1	609.8	609.6	609.7	609.8	609.8
12.5°	609.2	608.4	608.6	608.4	608.2	608.7	608.6	608.7
15°	608.9	607.6	607.4	607.0	607.2	607.6	607.6	608.1
17.5°	608.6	606.9	606.7	606.3	606.5	607.2	607.4	607.0
20°	609.6	608.2	607.9	607.6	607.4	608.2	608.0	608.1
22.5°	614.3	612.6	612.5	611.1	610.6	611.1	610.8	610.8
25°	622.0	619.9	619.2	617.4	616.0	616.0	615.5	615.2
27.5°	635.7	632.6	632.0	630.4	628.6	628.9	627.9	627.8
30°	651.6	648.9	646.6	644.4	642.2	641.3	640.1	640.0
32.5°	672.5	669.5	666.6	663.8	660.8	659.6	657.6	656.6
35°	698.1	694.1	690.7	688.8	685.8	684.2	682.9	684.4
37.5°	733.9	729.0	727.3	725.1	723.1	720.7	721.2	720.7
40°	783.5	779.1	777.4	773.5	773.0	770.2	772.0	770.2
42.5°	844.7	836.6	835.4	832.4	831.3	829.8	830.5	829.3
45°	911.4	904.1	902.8	897.9	898.0	894.4	895.8	895.8
47.5°	986.4	978.7	972.5	968.9	967.6	965.4	966.6	966.4
50°	1063.8	1053.4	1046.4	1039.5	1036.4	1037.3	1034.9	1039.0
52.5°	1146.9	1131.4	1121.6	1115.0	1109.2	1110.4	1110.8	1112.0
55°	1232.9	1213.2	1199.0	1190.3	1185.1	1185.4	1186.9	1188.2
57.5°	1319.4	1294.8	1275.5	1262.6	1259.2	1260.7	1260.8	1260.6
60°	1409.2	1379.6	1354.7	1340.1	1337.1	1336.2	1342.9	1340.6
62.5°	1505.6	1470.1	1444.3	1425.6	1421.2	1424.3	1430.2	1428.8
65°	1633.3	1584.3	1551.0	1532.5	1525.0	1528.1	1536.1	1535.8
67.5°	1798.0	1729.5	1685.6	1661.8	1656.4	1660.1	1664.5	1668.8
70°	2044.4	1946.5	1883.7	1832.3	1810.2	1806.0	1810.4	1810.6
71°	2131.0	2018.6	1918.6	1855.9	1819.8	1804.5	1805.7	1798.0
72.5°	2127.5	1988.9	1872.0	1806.3	1756.1	1743.9	1738.0	1728.8
75°	1984.1	1859.3	1757.8	1686.2	1637.9	1623.4	1613.0	1612.4
77.5°	1799.4	1707.2	1595.5	1519.6	1460.8	1436.8	1426.1	1425.8
80°	1446.5	1308.6	1226.8	1181.2	1110.1	1089.6	1067.8	1059.7
82.5°	874.8	683.6	555.8	493.9	459.6	378.5	339.6	321.3
85°	203.8	144.7	99.8	65.5	47.2	37.5	28.8	25.4
87.5°	13.8	10.9	9.7	7.8	5.9	5.8	3.6	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)