

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: P180142

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180142
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-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6481.9 lumens
Efficiency: N/A
Efficacy: 82.8 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 (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



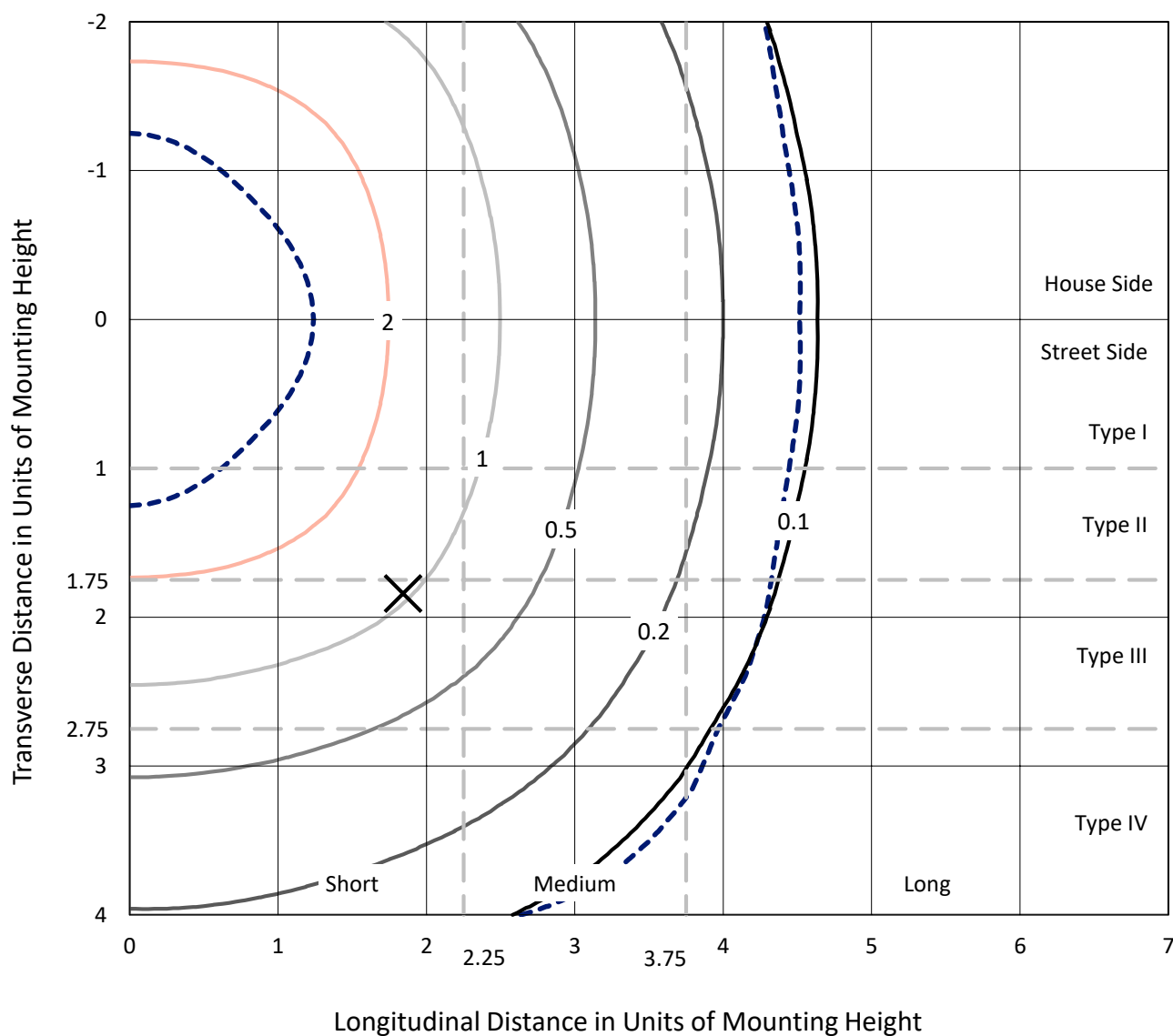
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

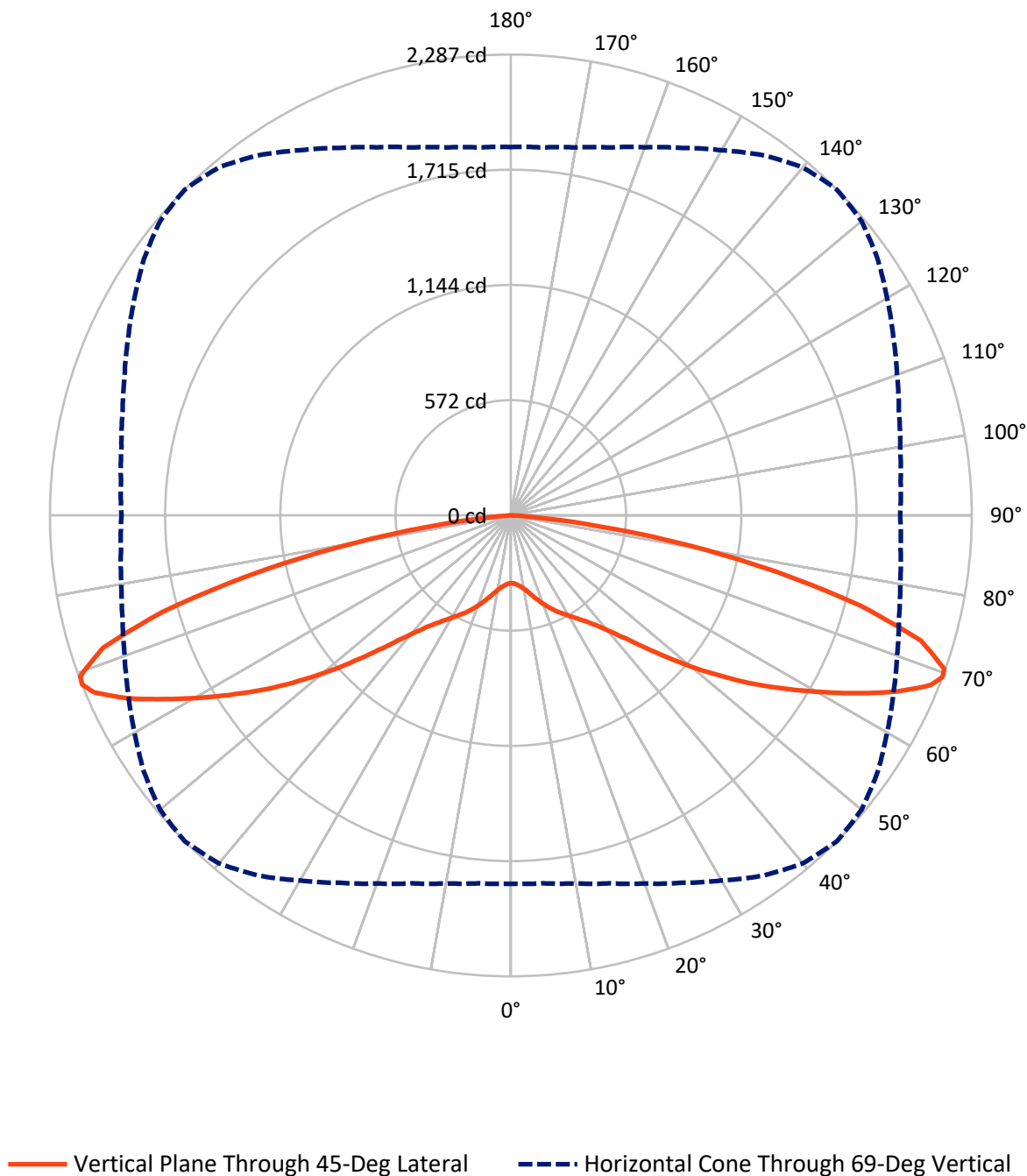


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3240.9	0.0	3240.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3240.9	0.0	3240.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6481.9	0.0	6481.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	0.5
10°-20°	119.3	1.8
20°-30°	241.7	3.7
30°-40°	405.2	6.3
40°-50°	714.7	11.0
50°-60°	1260.4	19.4
60°-70°	1924.2	29.7
70°-80°	1607.9	24.8
80°-90°	174.7	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°	6481.9	100.0
0°-180°	6481.9	100.0

Coefficient of Utilization



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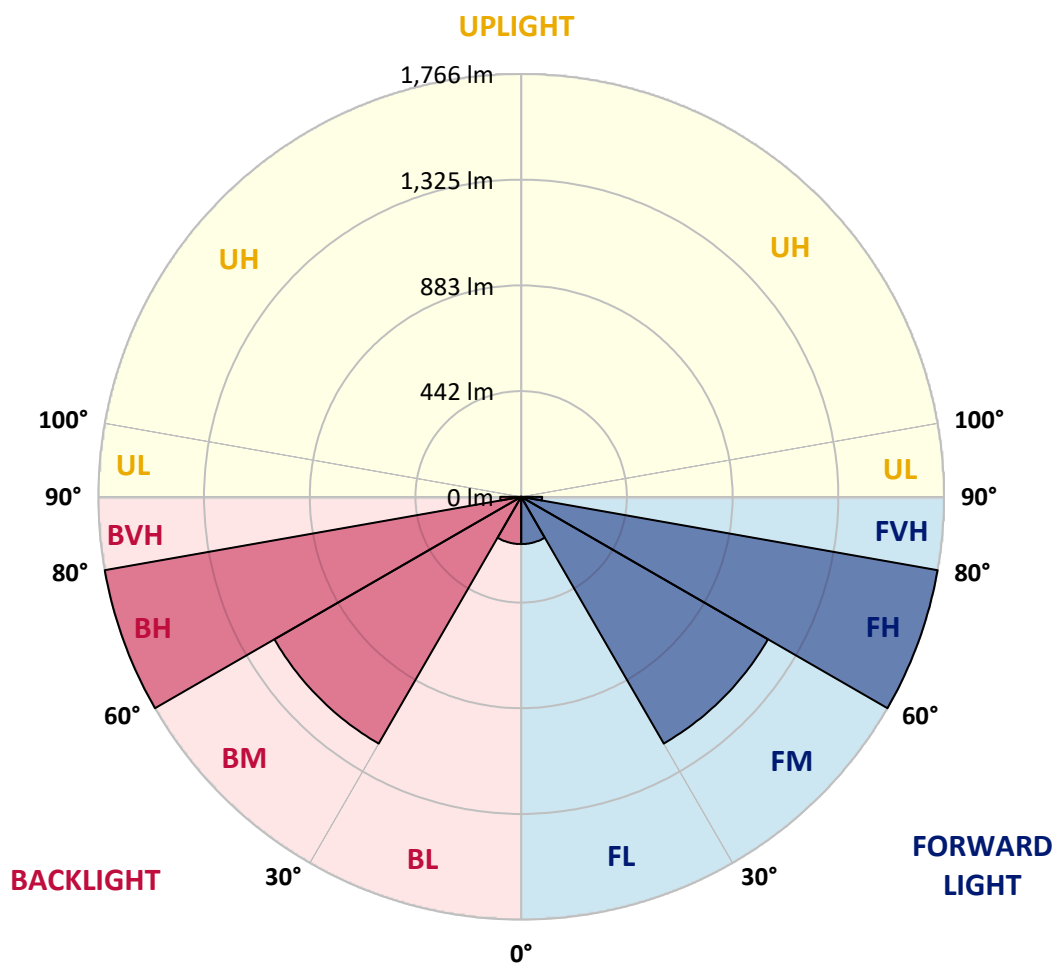
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.4	3.0			
FM	(30°-60°)	1190.1	18.4			
FH	(60°-80°)	1766.0	27.2			G1/1800
FVH	(80°-90°)	87.4	1.3			G1/100
BL	(0°-30°)	197.4	3.0	B1/500		
BM	(30°-60°)	1190.1	18.4	B2/2500		
BH	(60°-80°)	1766.0	27.2	B3/2500		G1/1800
BVH	(80°-90°)	87.4	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°	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6
2.5°	339.3	340.0	339.3	339.3	339.3	339.3	339.3	338.6	338.6	338.6	339.3
5°	346.1	346.8	346.1	346.8	346.8	346.8	346.8	346.1	346.1	346.1	346.1
7.5°	357.0	357.0	357.0	357.6	357.0	357.0	357.6	357.0	357.0	357.0	357.0
10°	372.6	371.9	371.9	371.9	371.9	371.9	372.6	372.6	372.6	371.9	371.9
12.5°	391.6	390.9	391.6	391.6	392.2	392.2	392.2	392.2	392.2	392.2	391.6
15°	414.6	414.6	414.6	415.3	416.7	416.7	416.0	416.7	416.7	416.7	416.7
17.5°	440.4	441.8	440.4	441.1	441.8	441.1	442.5	443.1	443.8	443.1	441.1
20°	466.9	467.6	467.6	467.6	467.6	468.9	469.6	469.6	471.6	471.0	470.3
22.5°	492.0	493.4	493.4	494.0	494.0	496.1	496.1	496.1	497.4	498.8	497.4
25°	518.5	517.8	517.8	519.2	519.8	522.5	522.5	523.9	525.9	526.6	525.3
27.5°	542.2	541.5	541.5	543.6	544.3	547.7	547.7	550.4	551.7	552.4	551.0
30°	567.3	567.3	566.7	568.7	570.7	573.4	574.8	577.5	579.6	580.2	578.9
32.5°	597.2	595.8	596.5	597.9	599.2	601.9	604.0	607.4	610.1	610.8	609.4
35°	631.1	629.1	629.8	631.1	633.2	637.2	640.6	642.7	646.7	648.1	645.4
37.5°	668.5	669.1	668.5	671.8	675.2	680.0	684.1	686.8	690.8	692.9	690.8
40°	721.4	719.3	721.4	724.8	730.2	736.3	744.5	746.5	750.6	754.6	749.9
42.5°	789.9	788.6	793.3	796.0	802.1	808.9	819.1	824.5	830.6	833.4	829.3
45°	879.5	879.5	884.9	885.6	895.1	903.9	918.2	925.0	936.5	936.5	936.5
47.5°	978.6	982.7	986.1	992.8	999.6	1015.9	1030.2	1045.1	1055.9	1057.3	1055.3
50°	1081.1	1085.1	1095.3	1104.8	1119.7	1140.1	1155.7	1175.4	1184.9	1193.0	1190.3
52.5°	1194.4	1195.1	1207.3	1219.5	1241.2	1263.6	1288.7	1309.1	1326.0	1333.5	1327.4
55°	1318.6	1319.9	1330.8	1343.7	1368.1	1393.9	1425.1	1446.2	1467.9	1481.5	1471.3
57.5°	1452.9	1453.6	1464.5	1480.1	1509.3	1535.1	1564.9	1594.8	1615.1	1627.4	1620.6
60°	1601.6	1605.0	1613.1	1632.8	1660.6	1687.8	1717.6	1744.1	1767.8	1780.7	1773.9
62.5°	1760.4	1763.8	1775.3	1790.9	1815.3	1845.2	1873.7	1907.6	1927.3	1941.6	1931.4
65°	1866.9	1873.0	1891.3	1912.4	1948.3	1987.0	2020.3	2066.4	2090.2	2107.1	2097.6
67.5°	1873.7	1877.1	1899.5	1931.4	1979.6	2037.9	2105.8	2177.7	2224.6	2246.9	2230.7
69°	1827.6	1832.3	1854.0	1890.0	1943.6	2011.5	2092.2	2181.8	2253.7	2287.0	2271.4
70°	1775.3	1785.5	1809.2	1848.6	1900.8	1972.1	2055.6	2151.3	2235.4	2280.9	2269.3
72.5°	1665.4	1668.1	1683.7	1714.9	1754.9	1814.0	1892.7	1983.0	2063.0	2128.2	2137.7
75°	1478.1	1486.9	1498.4	1519.5	1539.8	1582.6	1635.5	1697.3	1744.1	1794.3	1796.3
77.5°	1117.0	1143.5	1152.3	1157.1	1165.9	1199.8	1246.0	1299.6	1338.3	1346.4	1345.0
80°	501.5	536.8	544.9	583.6	607.4	663.7	734.3	816.4	871.4	877.5	862.5
82.5°	98.4	105.2	122.8	153.4	209.0	242.3	288.4	346.1	399.0	429.6	411.3
85°	32.6	34.6	40.0	44.1	50.9	57.7	69.9	86.9	107.9	119.4	106.5
87.5°	12.9	12.9	14.9	16.3	17.6	17.6	17.6	16.3	15.6	12.9	11.5
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°	336.6	336.6	336.6	336.6	336.6	336.6	336.6	336.6
2.5°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
5°	346.1	345.4	345.4	344.7	344.7	344.7	344.7	344.7
7.5°	356.3	355.6	354.9	355.6	354.9	354.9	354.9	354.9
10°	371.9	370.5	369.9	369.2	369.2	369.2	368.5	368.5
12.5°	390.2	390.2	389.5	388.9	387.5	388.2	387.5	386.1
15°	415.3	414.0	413.3	412.6	411.3	411.3	411.3	410.6
17.5°	440.4	439.1	439.1	437.0	436.4	436.4	436.4	437.0
20°	468.3	466.2	464.9	463.5	462.1	462.8	461.5	462.8
22.5°	496.1	493.4	492.0	490.0	487.9	487.9	487.3	485.9
25°	523.2	519.8	518.5	516.4	513.7	513.7	512.4	511.0
27.5°	549.0	545.6	544.3	540.2	537.5	536.8	535.4	534.8
30°	577.5	573.4	571.4	567.3	563.3	562.6	560.5	560.5
32.5°	607.4	603.3	601.9	595.8	592.4	592.4	591.1	589.7
35°	644.7	638.6	637.2	631.1	626.4	626.4	625.0	625.7
37.5°	688.8	684.1	679.3	674.6	669.1	668.5	667.1	665.7
40°	747.9	742.4	737.0	730.2	725.5	724.1	722.1	721.4
42.5°	826.6	821.1	810.3	804.9	800.1	796.0	795.4	794.7
45°	927.0	920.2	912.8	902.6	896.5	887.6	886.3	882.9
47.5°	1047.8	1034.9	1022.0	1013.2	1003.7	993.5	991.5	986.1
50°	1176.1	1165.9	1144.2	1129.9	1115.0	1104.8	1098.0	1096.0
52.5°	1313.8	1294.8	1273.1	1254.1	1232.4	1218.8	1206.6	1203.2
55°	1457.7	1430.6	1403.4	1381.0	1359.3	1343.0	1331.5	1326.0
57.5°	1601.6	1571.7	1541.8	1517.4	1499.1	1478.1	1466.5	1463.8
60°	1751.5	1723.0	1692.5	1668.1	1645.7	1627.4	1620.6	1607.7
62.5°	1910.3	1880.5	1852.0	1828.2	1799.7	1786.8	1775.3	1767.8
65°	2066.4	2031.8	1995.9	1970.7	1942.2	1923.9	1909.7	1899.5
67.5°	2187.2	2135.0	2086.8	2044.7	2006.0	1977.5	1959.2	1949.7
69°	2221.2	2156.0	2094.3	2039.3	1993.8	1961.9	1941.6	1932.1
70°	2217.1	2145.2	2077.3	2016.9	1967.4	1933.4	1913.7	1896.1
72.5°	2091.5	2025.7	1950.4	1884.6	1839.8	1807.2	1787.5	1778.0
75°	1784.8	1740.7	1686.4	1635.5	1602.9	1583.9	1559.5	1560.2
77.5°	1299.6	1300.9	1264.3	1212.0	1175.4	1168.6	1157.7	1146.9
80°	806.2	741.7	699.7	643.3	601.9	566.0	550.4	516.4
82.5°	371.9	290.5	225.3	170.3	131.0	102.5	89.6	73.3
85°	82.8	63.1	52.3	42.1	36.0	33.3	27.1	25.1
87.5°	11.5	10.2	9.5	8.8	7.5	5.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)