

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: P180036

Luminaire Tested: **ICS-E03-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180036
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-E03-LED-E1-5MQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7346.6 lumens
Efficiency: N/A
Efficacy: 97.7 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

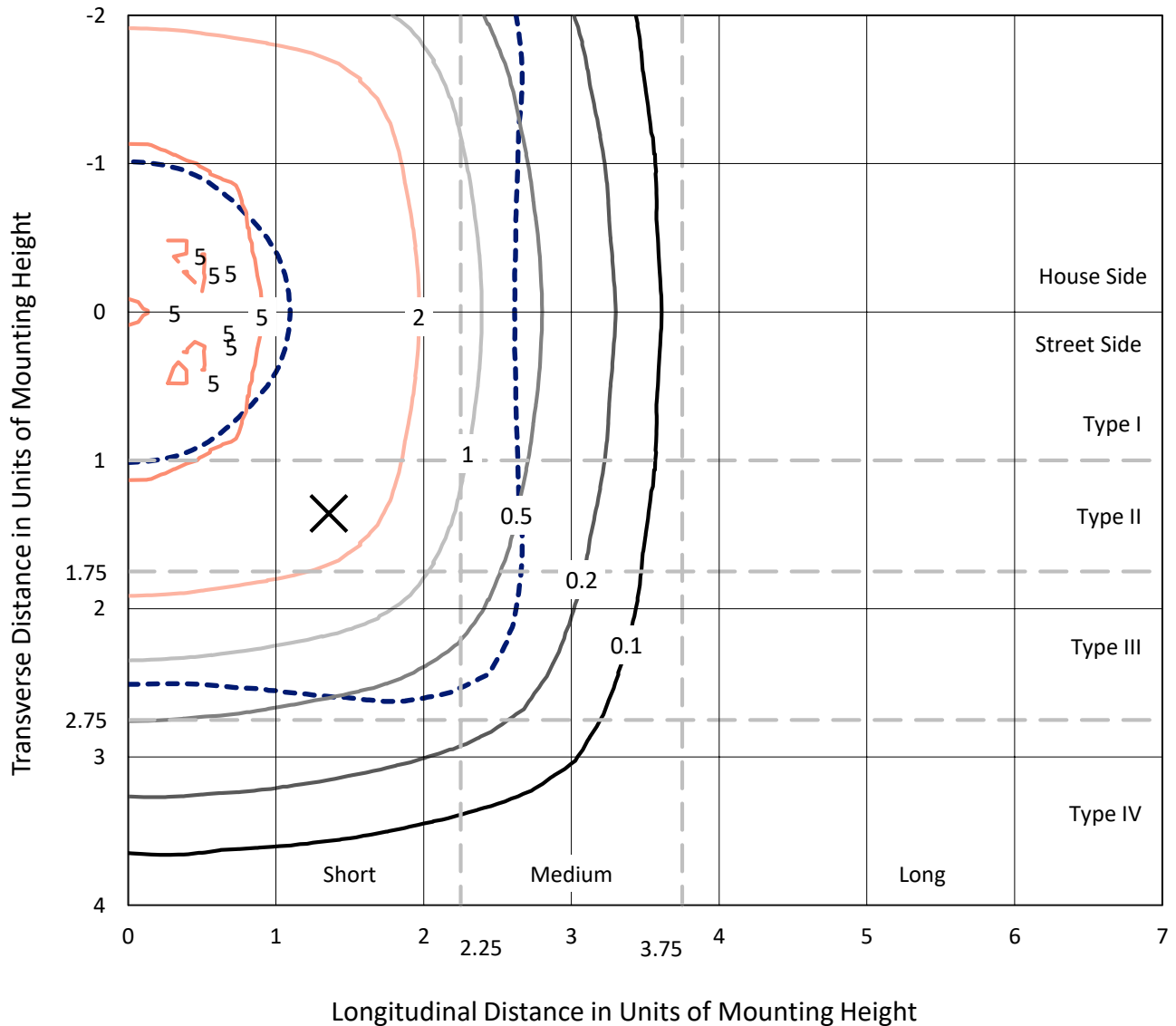
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

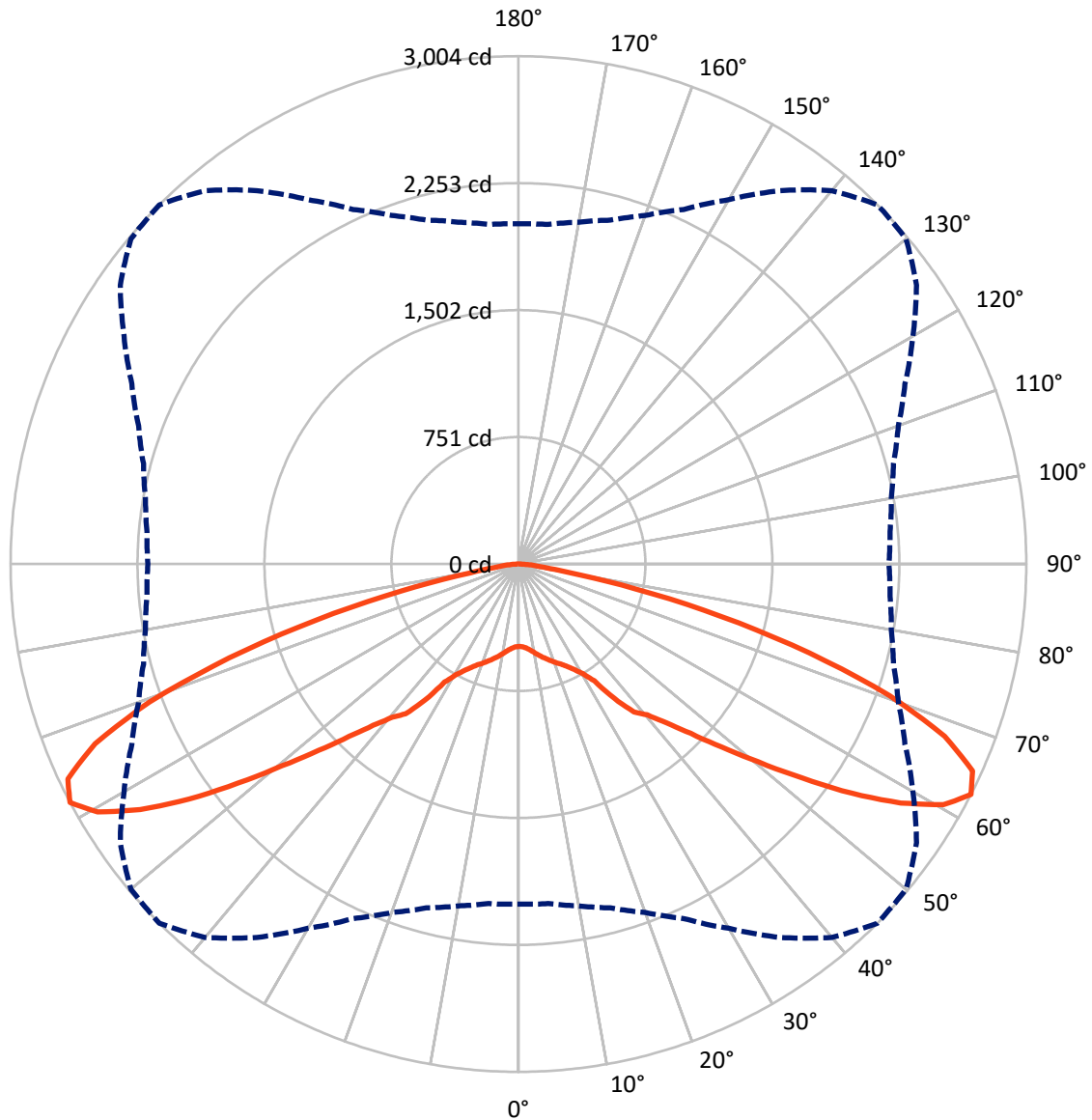
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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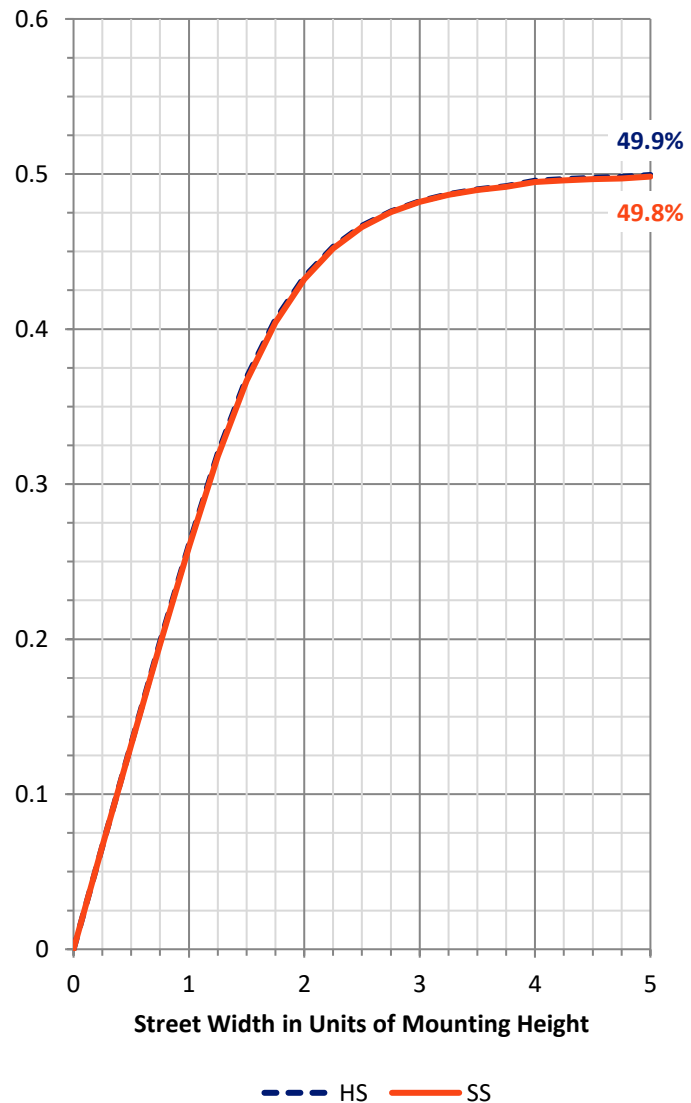
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3673.3	0.0	3673.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3673.3	0.0	3673.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7346.6	0.0	7346.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	0.7
10°-20°	165.2	2.2
20°-30°	319.4	4.3
30°-40°	618.5	8.4
40°-50°	1116.7	15.2
50°-60°	1941.8	26.4
60°-70°	2204.4	30.0
70°-80°	854.6	11.6
80°-90°	77.1	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°	7346.6	100.0
0°-180°	7346.6	100.0



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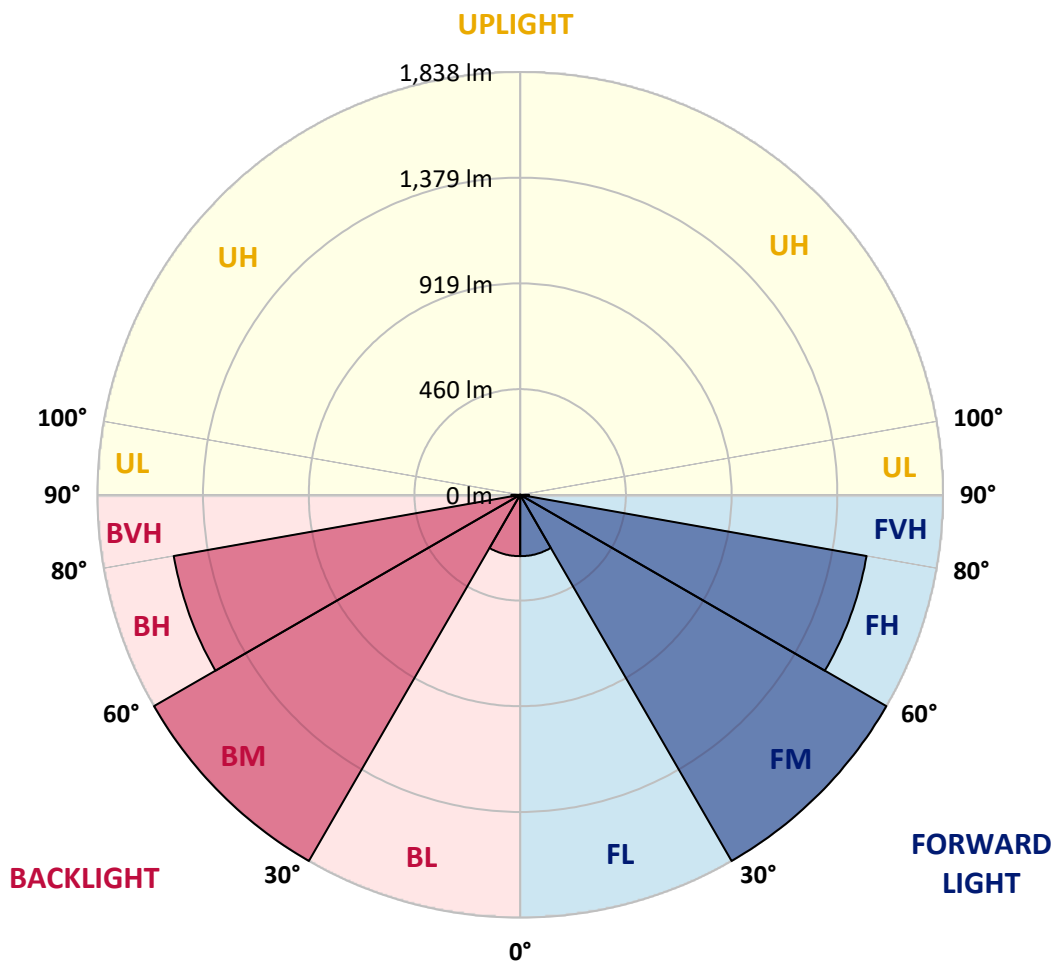
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.7	3.6			
FM (30°-60°)	1838.5	25.0			
FH (60°-80°)	1529.5	20.8			G1/1800
FVH (80°-90°)	38.5	0.5			G1/100
BL (0°-30°)	266.7	3.6	B1/500		
BM (30°-60°)	1838.5	25.0	B2/2500		
BH (60°-80°)	1529.5	20.8	B3/2500		G1/1800
BVH (80°-90°)	38.5	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°	487.7	487.7	487.7	487.7	487.7	487.7	487.7	487.7	487.7	487.7	487.7
2.5°	490.7	492.2	491.9	491.1	491.1	491.1	490.8	489.6	489.2	490.0	490.8
5°	502.2	502.2	502.2	502.2	501.4	501.4	500.6	499.8	500.2	499.4	499.1
7.5°	519.6	518.4	518.4	518.0	518.1	517.3	516.2	514.6	515.0	514.6	514.3
10°	540.1	540.4	539.4	540.5	538.6	538.2	536.7	535.9	535.6	534.4	534.4
12.5°	564.8	563.6	563.6	562.8	562.1	561.4	559.0	558.7	557.2	556.4	555.2
15°	588.0	587.6	586.0	584.5	584.2	583.4	580.8	579.2	578.8	577.0	575.4
17.5°	611.1	610.4	608.5	607.7	606.2	605.0	602.8	600.5	599.4	598.6	596.7
20°	635.8	635.0	633.2	631.6	629.8	628.2	624.8	622.9	621.8	620.7	619.1
22.5°	666.6	665.0	662.0	659.4	655.2	653.6	649.1	646.4	644.6	643.0	642.3
25°	700.0	700.3	696.2	692.8	687.8	683.7	678.0	675.0	673.0	671.5	671.1
27.5°	741.8	742.2	738.3	733.4	725.8	721.3	713.7	709.8	708.8	707.2	706.8
30°	807.8	804.4	798.0	790.0	783.2	773.3	762.2	758.5	754.7	753.6	753.6
32.5°	929.4	927.5	922.2	902.4	893.4	872.8	853.4	842.4	829.9	823.8	820.0
35°	1014.5	1013.7	1009.6	1002.8	997.0	992.8	981.4	979.6	977.2	977.2	980.3
37.5°	1077.2	1072.6	1071.8	1073.0	1071.4	1072.2	1081.3	1093.9	1104.6	1109.8	1109.0
40°	1169.8	1163.4	1167.2	1164.5	1161.1	1160.4	1163.4	1168.3	1173.2	1173.2	1172.1
42.5°	1290.9	1294.0	1295.6	1284.6	1277.3	1275.4	1282.6	1281.2	1286.1	1284.2	1279.2
45°	1471.0	1469.2	1466.5	1453.2	1441.8	1432.7	1434.6	1431.9	1432.3	1429.2	1425.4
47.5°	1652.6	1659.0	1648.0	1641.6	1628.6	1622.2	1627.5	1622.9	1631.7	1615.8	1608.2
50°	1828.8	1833.4	1829.6	1820.4	1820.5	1829.6	1836.0	1844.4	1856.5	1838.3	1811.0
52.5°	1973.2	1977.0	1982.6	1990.2	2008.8	2028.2	2055.6	2084.9	2108.0	2104.6	2073.4
55°	2061.2	2065.8	2075.3	2101.6	2135.0	2185.8	2247.8	2315.8	2368.9	2394.8	2372.0
57.5°	2090.8	2094.3	2120.2	2151.6	2203.7	2279.3	2383.0	2500.4	2602.5	2667.4	2657.2
60°	2084.0	2084.0	2110.2	2153.6	2226.5	2326.8	2473.4	2636.0	2792.4	2889.6	2875.2
62.5°	2012.2	2016.0	2053.6	2105.7	2193.8	2313.9	2488.6	2696.4	2883.6	3004.4	2992.6
65°	1855.0	1857.6	1898.3	1960.2	2058.6	2200.7	2391.8	2621.9	2836.4	2952.7	2930.6
67.5°	1601.0	1603.6	1636.6	1706.5	1810.6	1959.0	2165.4	2418.6	2628.7	2720.6	2654.6
70°	1273.6	1281.2	1302.4	1376.4	1455.5	1600.9	1790.8	2044.2	2242.4	2329.4	2256.5
72.5°	867.9	887.2	913.1	978.8	1054.4	1175.2	1326.3	1539.8	1698.9	1799.6	1734.6
75°	488.8	516.2	524.2	573.9	636.2	731.6	842.0	995.1	1155.8	1237.4	1159.2
77.5°	211.2	233.6	243.4	266.6	315.2	355.1	422.4	525.6	649.9	707.2	613.4
80°	104.0	109.4	113.6	120.8	134.4	147.4	179.3	224.5	275.3	288.2	229.4
82.5°	80.6	84.3	91.5	97.2	100.6	104.1	107.1	113.2	118.2	120.8	114.0
85°	56.6	61.5	69.5	76.0	79.8	82.4	85.0	86.9	82.4	75.2	79.0
87.5°	14.8	19.4	27.0	29.2	33.0	35.0	34.2	35.4	31.9	23.2	25.8
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°	487.7	487.7	487.7	487.7	487.7	487.7	487.7	487.7
2.5°	490.3	490.0	490.4	490.3	490.4	490.0	490.0	490.0
5°	499.1	499.1	499.4	498.7	498.7	499.1	498.7	498.3
7.5°	513.8	513.6	513.6	513.1	513.5	513.1	513.2	512.8
10°	533.6	532.8	533.2	532.1	532.1	531.7	531.8	531.7
12.5°	554.9	553.8	554.2	553.0	551.1	551.5	551.9	551.5
15°	575.4	574.3	573.2	572.3	571.2	571.6	571.6	571.2
17.5°	596.3	594.0	593.6	592.5	592.2	592.2	592.2	592.5
20°	618.0	616.4	616.1	614.9	614.6	615.7	616.0	615.3
22.5°	641.2	640.4	641.2	640.3	641.5	642.2	642.7	641.9
25°	670.3	669.6	670.8	673.4	675.0	675.7	677.6	676.8
27.5°	707.9	707.2	709.9	713.6	716.0	719.8	721.6	722.4
30°	756.6	760.0	761.5	769.2	770.6	776.8	776.7	779.4
32.5°	827.2	833.7	845.1	856.8	873.2	885.0	885.0	891.0
35°	982.2	984.9	993.6	995.5	998.9	1002.7	999.0	1002.0
37.5°	1101.1	1089.3	1081.0	1069.2	1062.0	1061.9	1062.7	1062.0
40°	1161.8	1157.3	1153.5	1143.6	1142.1	1141.8	1141.8	1143.2
42.5°	1270.5	1259.4	1253.4	1245.0	1242.4	1241.6	1241.2	1242.0
45°	1411.8	1393.9	1377.6	1369.2	1362.0	1355.2	1357.4	1357.5
47.5°	1576.2	1548.6	1521.9	1507.5	1495.0	1489.2	1485.4	1484.3
50°	1776.4	1737.6	1703.5	1676.6	1658.3	1657.9	1659.8	1647.6
52.5°	2021.8	1960.6	1918.1	1881.6	1864.5	1862.6	1856.6	1849.7
55°	2293.7	2221.2	2150.9	2111.8	2089.4	2077.2	2070.0	2058.6
57.5°	2574.0	2476.4	2375.4	2312.7	2273.2	2245.8	2231.4	2225.0
60°	2790.1	2656.8	2523.5	2422.8	2357.2	2316.5	2291.4	2281.2
62.5°	2875.2	2694.4	2523.5	2391.4	2296.4	2240.2	2206.4	2191.5
65°	2773.8	2559.6	2365.1	2219.2	2113.3	2050.6	2013.8	1997.8
67.5°	2490.4	2301.3	2089.8	1944.6	1835.6	1773.7	1733.8	1722.1
70°	2087.8	1894.6	1692.4	1562.9	1465.7	1415.1	1373.8	1368.9
72.5°	1569.0	1402.2	1229.0	1122.0	1043.8	960.2	939.0	949.5
75°	1005.8	849.6	695.4	599.0	527.6	447.8	417.0	424.6
77.5°	476.3	368.8	266.2	205.8	172.9	147.8	141.2	137.5
80°	176.6	143.2	126.5	120.0	115.4	111.3	108.2	104.8
82.5°	114.3	111.7	108.2	107.1	103.7	98.4	88.5	84.3
85°	85.4	85.4	80.9	81.3	78.6	71.8	62.6	57.7
87.5°	25.0	22.4	20.5	19.0	18.6	16.7	12.2	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)