

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: P180136

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180136
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-E03-LED-E1-5WQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7255.5 lumens
Efficiency: N/A
Efficacy: 96.5 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 - G2

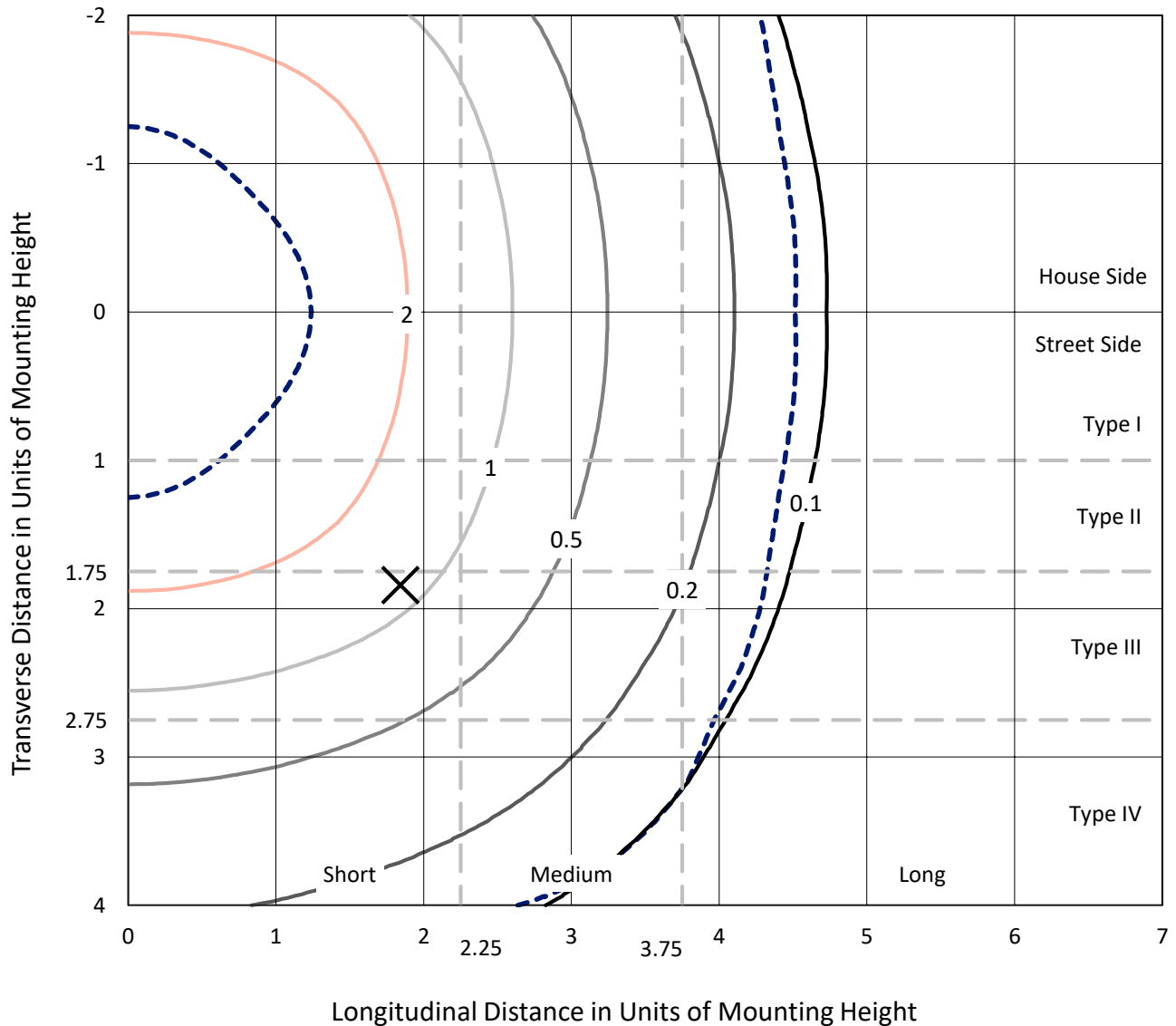
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

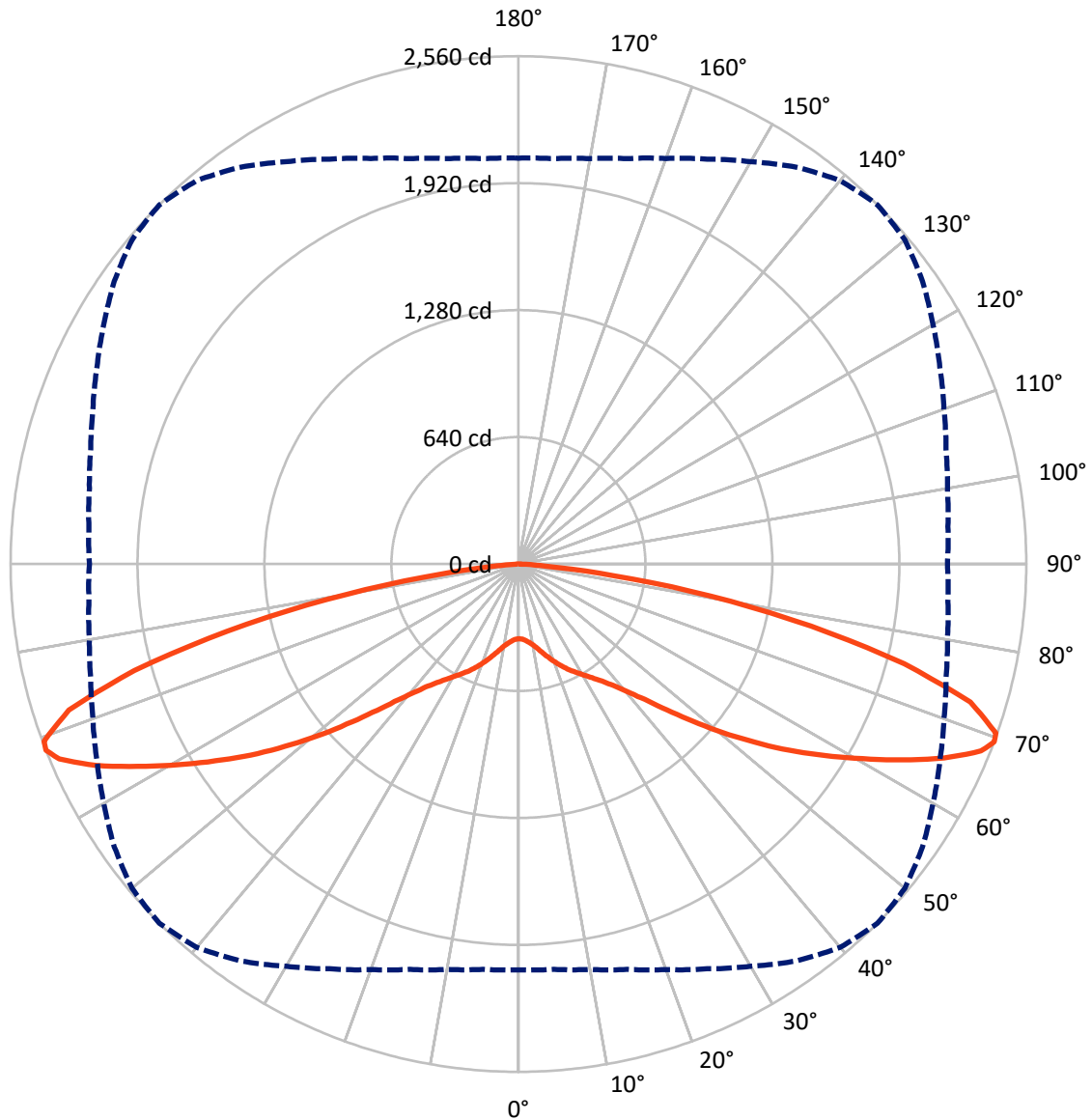
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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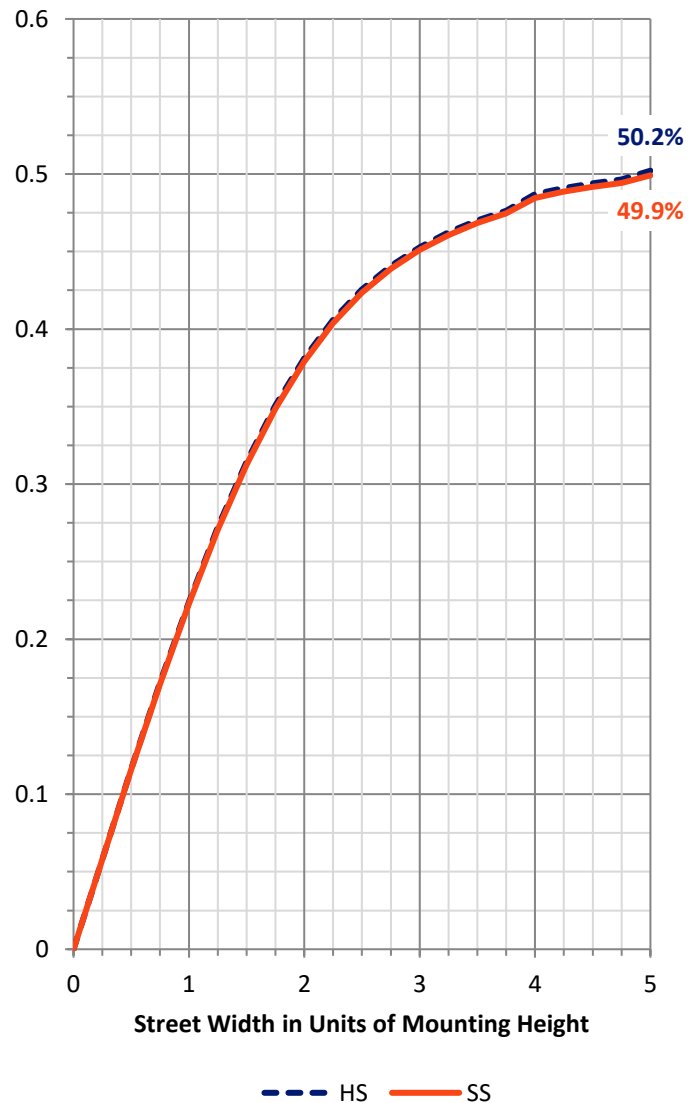
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3627.8	0.0	3627.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3627.8	0.0	3627.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7255.5	0.0	7255.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	0.5
10°-20°	133.6	1.8
20°-30°	270.5	3.7
30°-40°	453.5	6.3
40°-50°	800.0	11.0
50°-60°	1410.8	19.4
60°-70°	2153.9	29.7
70°-80°	1799.8	24.8
80°-90°	195.6	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°	7255.5	100.0
0°-180°	7255.5	100.0



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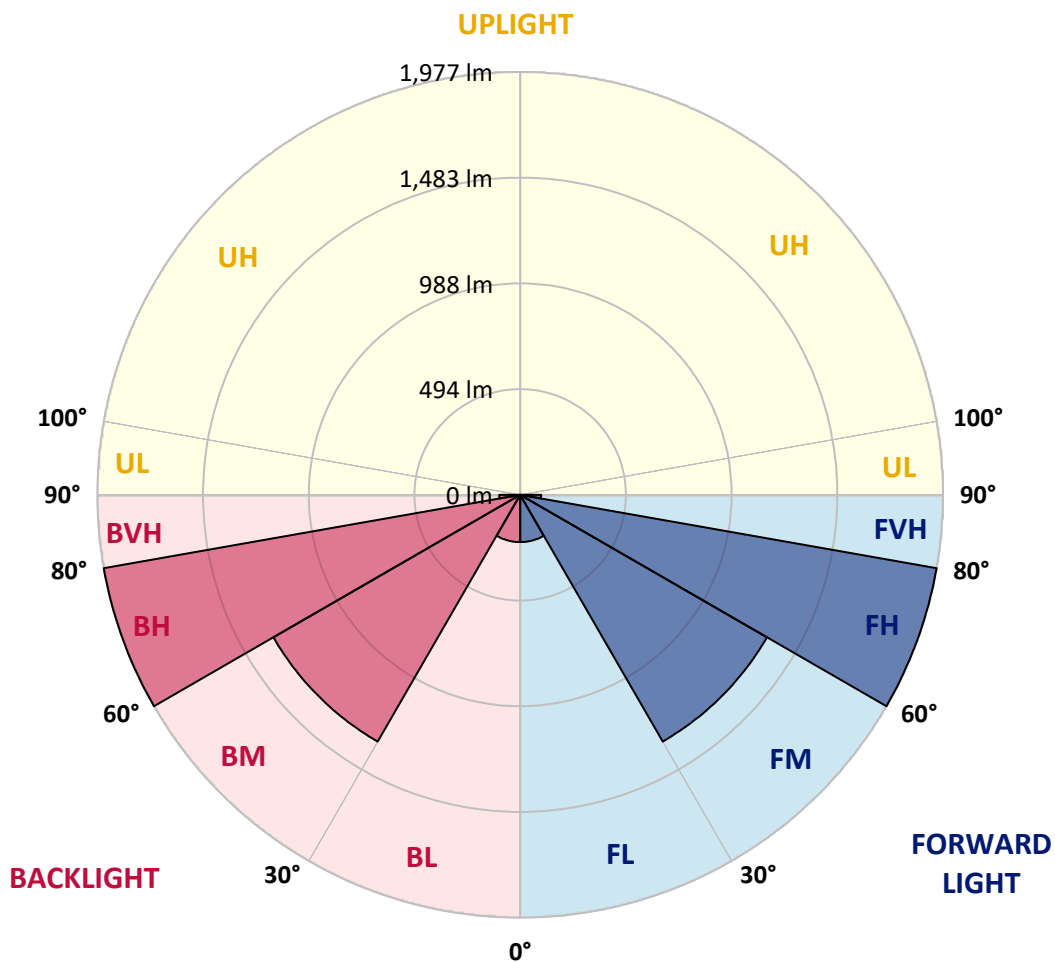
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.0	3.0			
FM	(30°-60°)	1332.2	18.4			
FH	(60°-80°)	1976.8	27.2			G2/5000
FVH	(80°-90°)	97.8	1.3			G1/100
BL	(0°-30°)	221.0	3.0	B1/500		
BM	(30°-60°)	1332.2	18.4	B2/2500		
BH	(60°-80°)	1976.8	27.2	B3/2500		G2/5000
BVH	(80°-90°)	97.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8
2.5°	379.8	380.6	379.8	379.8	379.8	379.8	379.8	379.1	379.1	379.1	379.8
5°	387.4	388.2	387.4	388.2	388.2	388.2	388.2	387.4	387.4	387.4	387.4
7.5°	399.6	399.6	399.6	400.3	399.6	399.6	400.3	399.6	399.6	399.6	399.6
10°	417.0	416.3	416.3	416.3	416.3	416.3	417.0	417.0	417.0	416.3	416.3
12.5°	438.3	437.5	438.3	438.3	439.1	439.1	439.1	439.1	439.1	439.1	438.3
15°	464.1	464.1	464.1	464.9	466.4	466.4	465.7	466.4	466.4	466.4	466.4
17.5°	493.0	494.5	493.0	493.8	494.5	493.8	495.3	496.0	496.8	496.0	493.8
20°	522.6	523.4	523.4	523.4	523.4	524.9	525.7	525.7	527.9	527.2	526.4
22.5°	550.7	552.3	552.3	553.0	553.0	555.3	555.3	555.3	556.8	558.3	556.8
25°	580.4	579.6	579.6	581.1	581.9	584.9	584.9	586.4	588.7	589.5	588.0
27.5°	606.9	606.2	606.2	608.5	609.2	613.0	613.0	616.1	617.6	618.3	616.8
30°	635.1	635.1	634.3	636.6	638.9	641.9	643.4	646.4	648.7	649.5	648.0
32.5°	668.5	667.0	667.7	669.2	670.8	673.8	676.1	679.9	682.9	683.7	682.2
35°	706.5	704.2	704.9	706.5	708.7	713.3	717.1	719.4	723.9	725.4	722.4
37.5°	748.2	749.0	748.2	752.0	755.8	761.2	765.7	768.7	773.3	775.6	773.3
40°	807.5	805.2	807.5	811.3	817.4	824.2	833.3	835.6	840.2	844.7	839.4
42.5°	884.2	882.7	888.0	891.0	897.9	905.5	916.9	923.0	929.8	932.8	928.3
45°	984.5	984.5	990.6	991.3	1002.0	1011.8	1027.8	1035.4	1048.3	1048.3	1048.3
47.5°	1095.4	1099.9	1103.7	1111.3	1118.9	1137.2	1153.1	1169.8	1182.0	1183.5	1181.2
50°	1210.1	1214.7	1226.0	1236.7	1253.4	1276.2	1293.7	1315.7	1326.3	1335.4	1332.4
52.5°	1337.0	1337.7	1351.4	1365.1	1389.4	1414.4	1442.5	1465.3	1484.3	1492.7	1485.8
55°	1476.0	1477.5	1489.6	1504.1	1531.4	1560.3	1595.2	1618.8	1643.1	1658.3	1646.9
57.5°	1626.4	1627.1	1639.3	1656.8	1689.4	1718.3	1751.7	1785.1	1807.9	1821.6	1814.0
60°	1792.7	1796.5	1805.6	1827.7	1858.8	1889.2	1922.6	1952.3	1978.8	1993.3	1985.7
62.5°	1970.5	1974.3	1987.2	2004.7	2032.0	2065.4	2097.3	2135.3	2157.4	2173.3	2161.9
65°	2089.8	2096.6	2117.1	2140.6	2180.9	2224.2	2261.4	2313.1	2339.7	2358.7	2348.0
67.5°	2097.3	2101.1	2126.2	2161.9	2215.8	2281.2	2357.1	2437.7	2490.1	2515.1	2496.9
69°	2045.7	2051.0	2075.3	2115.6	2175.6	2251.6	2341.9	2442.2	2522.7	2560.0	2542.5
70°	1987.2	1998.6	2025.2	2069.2	2127.7	2207.5	2300.9	2408.0	2502.2	2553.1	2540.2
72.5°	1864.1	1867.2	1884.6	1919.6	1964.4	2030.5	2118.6	2219.6	2309.3	2382.2	2392.8
75°	1654.5	1664.4	1677.3	1700.8	1723.6	1771.5	1830.7	1899.8	1952.3	2008.5	2010.7
77.5°	1250.4	1280.0	1289.9	1295.2	1305.0	1343.0	1394.7	1454.7	1498.0	1507.1	1505.6
80°	561.4	600.9	610.0	653.3	679.9	742.9	821.9	913.8	975.4	982.2	965.5
82.5°	110.1	117.7	137.5	171.7	234.0	271.2	322.8	387.4	446.7	480.8	460.3
85°	36.5	38.7	44.8	49.4	57.0	64.6	78.2	97.2	120.8	133.7	119.3
87.5°	14.4	14.4	16.7	18.2	19.8	19.8	19.8	18.2	17.5	14.4	12.9
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°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8
2.5°	379.1	379.1	379.1	379.1	379.1	379.1	379.1	379.1
5°	387.4	386.7	386.7	385.9	385.9	385.9	385.9	385.9
7.5°	398.8	398.0	397.3	398.0	397.3	397.3	397.3	397.3
10°	416.3	414.8	414.0	413.2	413.2	413.2	412.5	412.5
12.5°	436.8	436.8	436.0	435.3	433.8	434.5	433.8	432.2
15°	464.9	463.4	462.6	461.9	460.3	460.3	460.3	459.6
17.5°	493.0	491.5	491.5	489.2	488.4	488.4	488.4	489.2
20°	524.1	521.9	520.3	518.8	517.3	518.1	516.6	518.1
22.5°	555.3	552.3	550.7	548.5	546.2	546.2	545.4	543.9
25°	585.7	581.9	580.4	578.1	575.0	575.0	573.5	572.0
27.5°	614.5	610.7	609.2	604.7	601.6	600.9	599.4	598.6
30°	646.4	641.9	639.6	635.1	630.5	629.7	627.5	627.5
32.5°	679.9	675.3	673.8	667.0	663.2	663.2	661.6	660.1
35°	721.7	714.8	713.3	706.5	701.1	701.1	699.6	700.4
37.5°	771.0	765.7	760.4	755.1	749.0	748.2	746.7	745.2
40°	837.1	831.0	825.0	817.4	812.0	810.5	808.2	807.5
42.5°	925.2	919.2	907.0	900.9	895.6	891.0	890.3	889.5
45°	1037.7	1030.1	1021.7	1010.3	1003.5	993.6	992.1	988.3
47.5°	1172.9	1158.4	1144.0	1134.1	1123.5	1112.1	1109.8	1103.7
50°	1316.4	1305.0	1280.7	1264.8	1248.1	1236.7	1229.1	1226.8
52.5°	1470.6	1449.4	1425.1	1403.8	1379.5	1364.3	1350.6	1346.8
55°	1631.7	1601.3	1570.9	1545.9	1521.5	1503.3	1490.4	1484.3
57.5°	1792.7	1759.3	1725.9	1698.5	1678.0	1654.5	1641.6	1638.5
60°	1960.6	1928.7	1894.5	1867.2	1842.1	1821.6	1814.0	1799.6
62.5°	2138.4	2104.9	2073.0	2046.5	2014.5	2000.1	1987.2	1978.8
65°	2313.1	2274.3	2234.1	2206.0	2174.1	2153.6	2137.6	2126.2
67.5°	2448.3	2389.8	2335.9	2288.8	2245.5	2213.6	2193.1	2182.4
69°	2486.3	2413.4	2344.2	2282.7	2231.8	2196.1	2173.3	2162.7
70°	2481.7	2401.2	2325.2	2257.6	2202.2	2164.2	2142.2	2122.4
72.5°	2341.2	2267.5	2183.2	2109.5	2059.4	2022.9	2000.9	1990.2
75°	1997.8	1948.5	1887.7	1830.7	1794.3	1773.0	1745.6	1746.4
77.5°	1454.7	1456.2	1415.2	1356.7	1315.7	1308.1	1295.9	1283.8
80°	902.4	830.3	783.2	720.1	673.8	633.5	616.1	578.1
82.5°	416.3	325.1	252.2	190.7	146.6	114.7	100.3	82.0
85°	92.7	70.6	58.5	47.1	40.3	37.2	30.4	28.1
87.5°	12.9	11.4	10.6	9.9	8.4	6.1	4.6	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)