

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: P674961

Luminaire Tested: **CCW-SA-1F-730-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674961  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-730-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/  
T3 distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

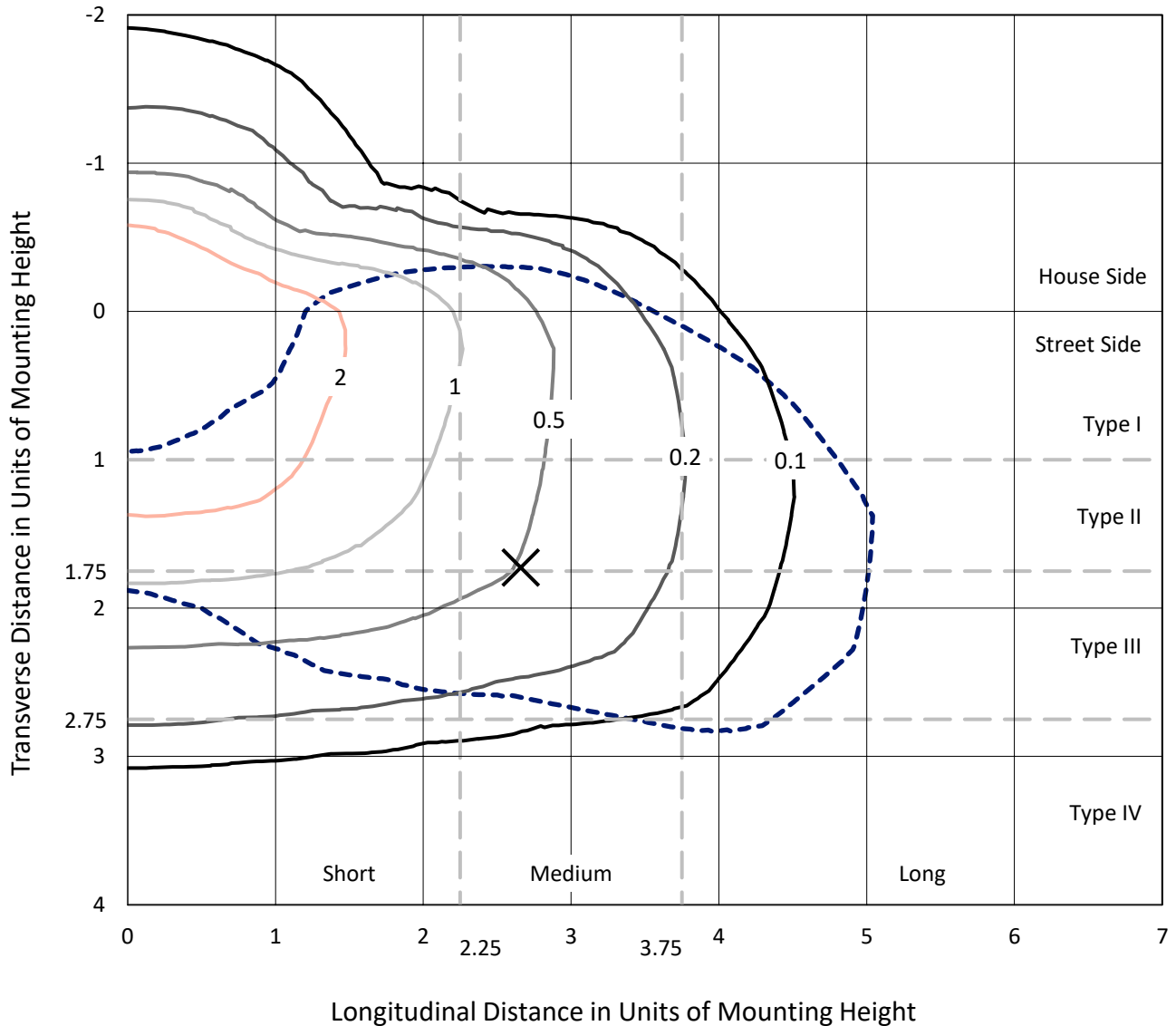
Lumens per Lamp: N/A  
Luminaire Lumens: 6898.3 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
Input Voltage (V): 120  
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

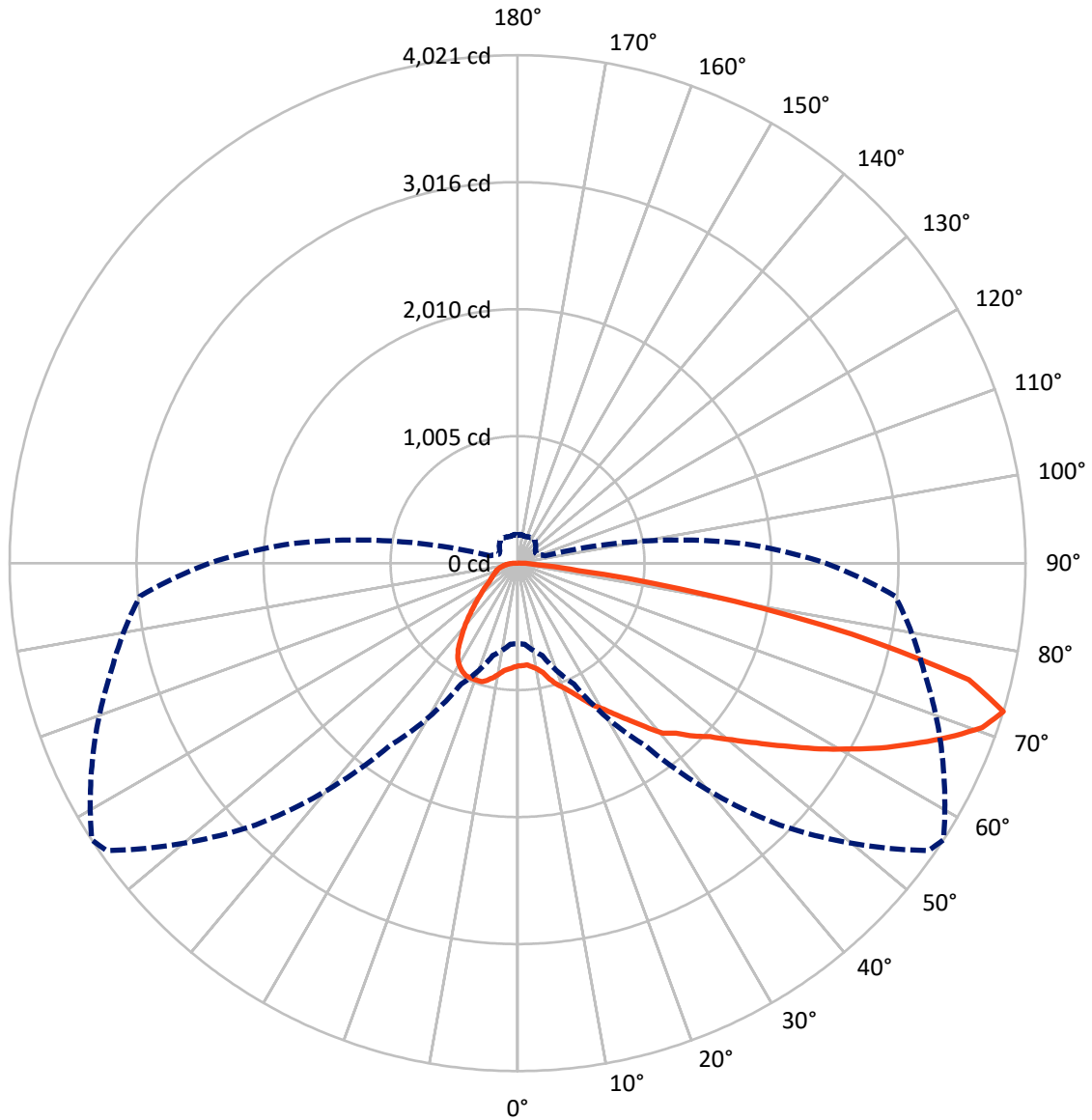
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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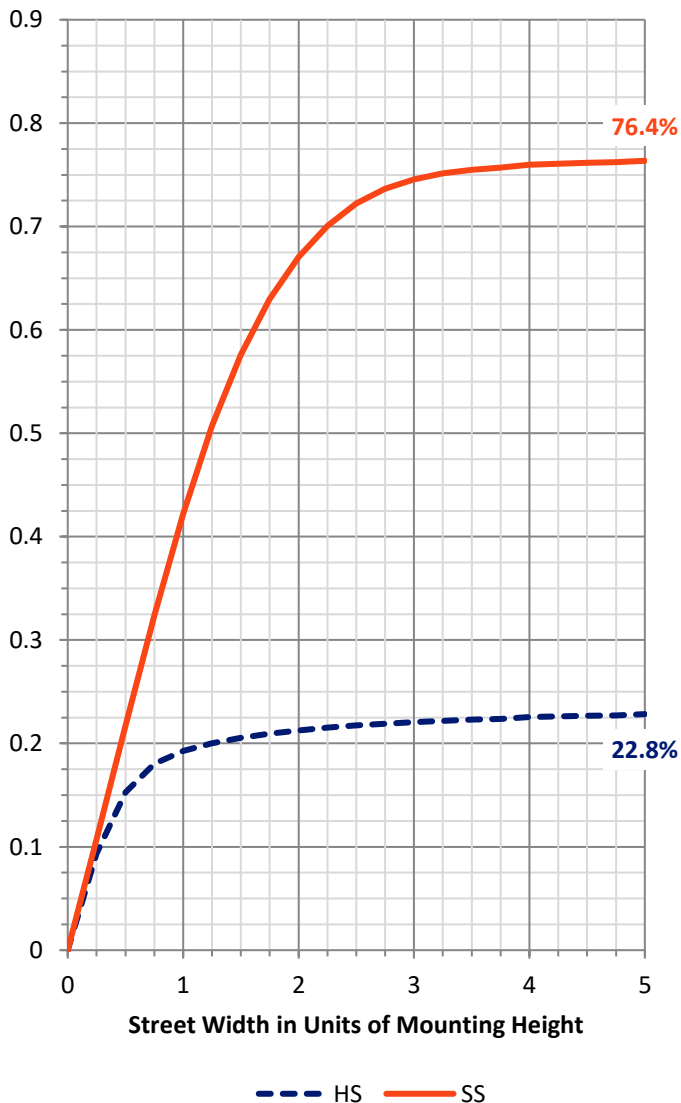
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1611.0	0.0	1611.0
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	5287.3	0.0	5287.3
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	6898.3	0.0	6898.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.8	1.2
10°-20°	272.4	3.9
20°-30°	497.9	7.2
30°-40°	730.5	10.6
40°-50°	1005.8	14.6
50°-60°	1379.3	20.0
60°-70°	1662.7	24.1
70°-80°	1107.6	16.1
80°-90°	161.3	2.3
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°	6898.3	100.0
0°-180°	6898.3	100.0



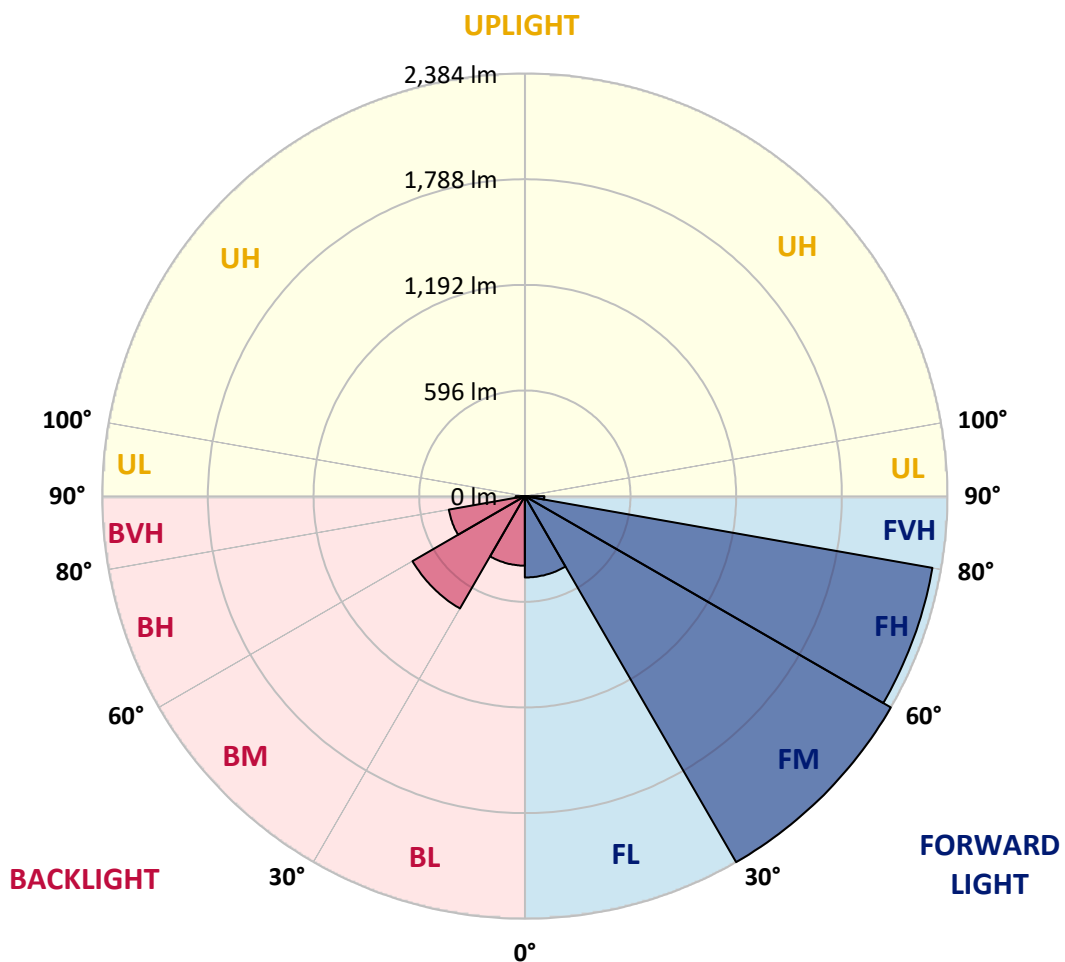
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.9	6.7			
FM (30°-60°)	2383.9	34.6			
FH (60°-80°)	2334.6	33.8			G2/5000
FVH (80°-90°)	109.8	1.6			G2/225
BL (0°-30°)	392.2	5.7	B1/500		
BM (30°-60°)	731.7	10.6	B1/1000		
BH (60°-80°)	435.6	6.3	B1/500		G1/500
BVH (80°-90°)	51.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2
2.5°	799.1	801.7	806.7	804.2	804.2	796.6	809.2	811.7	806.7	809.2	814.2
5°	799.1	804.2	811.7	806.7	809.2	806.7	801.7	809.2	809.2	811.7	819.2
7.5°	841.9	839.3	839.3	831.8	829.3	826.8	829.3	829.3	824.3	826.8	826.8
10°	889.6	889.6	884.6	884.6	879.6	867.0	854.4	851.9	844.4	846.9	846.9
12.5°	939.9	944.9	949.9	934.8	929.8	909.7	902.2	887.1	887.1	882.1	879.6
15°	1002.7	995.2	1000.2	995.2	982.6	962.5	949.9	952.4	934.8	929.8	922.3
17.5°	1058.0	1060.5	1053.0	1047.9	1025.3	1010.2	1012.7	1010.2	987.6	980.1	967.5
20°	1123.3	1120.8	1120.8	1105.7	1085.6	1065.5	1058.0	1055.5	1060.5	1045.4	1015.3
22.5°	1191.2	1181.1	1181.1	1168.6	1140.9	1128.3	1123.3	1113.3	1118.3	1105.7	1060.5
25°	1246.5	1246.5	1264.0	1238.9	1223.8	1198.7	1188.7	1191.2	1193.7	1168.6	1115.8
27.5°	1319.3	1306.8	1324.4	1311.8	1304.3	1276.6	1264.0	1271.6	1266.6	1238.9	1166.0
30°	1412.3	1414.8	1404.8	1387.2	1377.1	1357.0	1349.5	1342.0	1349.5	1314.3	1221.3
32.5°	1527.9	1535.5	1510.3	1490.2	1472.6	1452.5	1437.4	1429.9	1437.4	1384.7	1264.0
35°	1661.1	1668.6	1648.5	1625.9	1605.8	1555.6	1543.0	1530.4	1502.8	1417.3	1304.3
37.5°	1784.2	1774.2	1769.2	1769.2	1731.5	1658.6	1651.1	1643.5	1590.7	1482.7	1359.5
40°	1867.2	1879.7	1874.7	1869.7	1864.7	1796.8	1781.7	1769.2	1681.2	1580.7	1437.4
42.5°	1960.2	1952.6	1972.7	1980.3	1962.7	1942.6	1882.2	1839.5	1761.6	1681.2	1553.0
45°	2070.7	2065.7	2073.2	2100.9	2075.8	2083.3	1982.8	1952.6	1854.6	1806.9	1698.8
47.5°	2168.7	2181.3	2219.0	2226.5	2206.4	2241.6	2100.9	2053.1	1990.3	1952.6	1849.6
50°	2211.5	2226.5	2312.0	2364.7	2367.3	2422.5	2219.0	2198.9	2113.4	2128.5	2038.1
52.5°	2176.3	2224.0	2327.1	2465.3	2550.7	2606.0	2374.8	2364.7	2286.8	2334.6	2244.1
55°	2208.9	2254.2	2322.0	2515.5	2731.6	2744.2	2590.9	2553.2	2475.3	2540.7	2457.7
57.5°	2224.0	2198.9	2327.1	2570.8	2864.8	2897.5	2797.0	2769.3	2709.0	2771.9	2724.1
60°	2105.9	2136.1	2256.7	2555.7	2872.4	3060.9	3028.2	2988.0	2932.7	2990.5	2962.8
62.5°	1972.7	1992.8	2123.5	2465.3	2915.1	3179.0	3251.8	3221.7	3143.8	3194.0	3241.8
65°	1804.3	1806.9	1952.6	2304.4	2832.2	3246.8	3447.9	3445.3	3390.1	3377.5	3452.9
67.5°	1598.3	1618.4	1734.0	2133.6	2719.1	3322.2	3641.4	3679.1	3568.5	3470.5	3498.1
70°	1226.4	1246.5	1357.0	1749.1	2487.9	3299.6	3880.1	3900.2	3684.1	3435.3	3364.9
72.5°	638.3	643.3	756.4	1055.5	1764.1	2930.2	3968.1	4020.8	3714.2	3332.3	3000.5
75°	211.1	211.1	258.8	402.1	831.8	1874.7	3593.6	3689.1	3566.0	3075.9	2455.2
77.5°	125.7	128.2	153.3	201.0	331.7	748.9	2533.1	2701.5	2917.6	2616.1	1794.3
80°	90.5	93.0	115.6	138.2	198.5	241.2	1271.6	1505.3	1791.8	1683.7	957.5
82.5°	67.9	67.9	90.5	103.0	135.7	143.2	354.3	485.0	774.0	603.1	263.9
85°	70.4	70.4	70.4	72.9	93.0	82.9	148.3	158.3	226.2	198.5	72.9
87.5°	25.1	27.6	70.4	47.7	47.7	35.2	57.8	62.8	80.4	82.9	27.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2
2.5°	816.7	816.7	819.2	819.2	824.3	829.3	836.8	831.8	831.8	834.3	831.8
5°	814.2	816.7	824.3	836.8	841.9	844.4	859.5	859.5	859.5	864.5	864.5
7.5°	824.3	829.3	841.9	854.4	856.9	864.5	884.6	889.6	902.2	907.2	909.7
10°	849.4	856.9	867.0	882.1	892.1	902.2	917.3	934.8	932.3	947.4	949.9
12.5°	887.1	884.6	902.2	917.3	927.3	942.4	947.4	947.4	947.4	947.4	952.4
15°	917.3	922.3	937.4	947.4	960.0	957.5	947.4	937.4	939.9	937.4	937.4
17.5°	962.5	962.5	975.1	977.6	982.6	957.5	942.4	942.4	949.9	949.9	944.9
20°	1007.7	1005.2	1010.2	1007.7	975.1	944.9	942.4	944.9	947.4	944.9	942.4
22.5°	1050.4	1045.4	1037.9	1027.8	970.0	942.4	937.4	924.8	912.2	912.2	904.7
25°	1088.1	1083.1	1063.0	1032.8	967.5	927.3	902.2	872.0	856.9	849.4	859.5
27.5°	1123.3	1113.3	1085.6	1032.8	944.9	887.1	839.3	801.7	789.1	779.0	789.1
30°	1171.1	1153.5	1115.8	1025.3	909.7	824.3	758.9	713.7	701.1	686.1	691.1
32.5°	1213.8	1173.6	1140.9	1002.7	864.5	753.9	678.5	633.3	610.7	598.1	608.2
35°	1259.0	1218.8	1151.0	967.5	794.1	668.5	593.1	550.4	532.8	515.2	515.2
37.5°	1304.3	1281.6	1166.0	902.2	708.7	588.0	520.2	487.5	457.4	424.7	424.7
40°	1399.8	1369.6	1183.6	826.8	623.2	510.1	462.4	419.7	389.5	344.3	341.8
42.5°	1500.3	1434.9	1183.6	736.3	547.8	454.9	409.6	364.4	309.1	281.5	284.0
45°	1628.4	1553.0	1151.0	655.9	472.4	409.6	359.4	301.6	276.4	258.8	258.8
47.5°	1789.3	1671.2	1110.8	567.9	412.1	369.4	306.6	271.4	253.8	238.7	236.2
50°	1980.3	1779.2	1060.5	492.6	361.9	331.7	278.9	251.3	236.2	226.2	226.2
52.5°	2181.3	1937.5	1025.3	424.7	321.7	281.5	258.8	241.2	228.7	221.1	218.6
55°	2384.9	2095.9	1000.2	351.8	284.0	258.8	253.8	238.7	233.7	226.2	221.1
57.5°	2613.5	2226.5	995.2	301.6	253.8	248.8	258.8	246.3	238.7	231.2	223.7
60°	2859.8	2402.4	949.9	261.4	238.7	243.8	251.3	238.7	233.7	226.2	221.1
62.5°	3103.6	2533.1	826.8	231.2	223.7	228.7	238.7	228.7	221.1	223.7	226.2
65°	3204.1	2543.2	640.8	208.6	206.1	208.6	223.7	221.1	213.6	228.7	228.7
67.5°	3103.6	2452.7	452.3	188.5	188.5	201.0	226.2	231.2	223.7	243.8	241.2
70°	2874.9	2229.0	306.6	175.9	180.9	213.6	233.7	228.7	218.6	243.8	238.7
72.5°	2440.1	1784.2	223.7	163.3	170.9	203.6	231.2	226.2	218.6	228.7	218.6
75°	1832.0	1269.1	175.9	148.3	150.8	183.5	238.7	226.2	206.1	201.0	193.5
77.5°	1223.8	784.1	135.7	130.7	130.7	160.8	228.7	211.1	186.0	178.4	175.9
80°	583.0	314.1	108.1	110.6	113.1	138.2	208.6	188.5	168.4	158.3	158.3
82.5°	186.0	118.1	90.5	90.5	90.5	113.1	173.4	158.3	145.8	138.2	125.7
85°	65.3	65.3	77.9	80.4	72.9	82.9	143.2	135.7	120.6	100.5	98.0
87.5°	25.1	37.7	52.8	62.8	45.2	57.8	103.0	95.5	88.0	65.3	62.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)