

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: P671118

Luminaire Tested: **CCP-SA-1F-750-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671118
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-750-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T4W distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

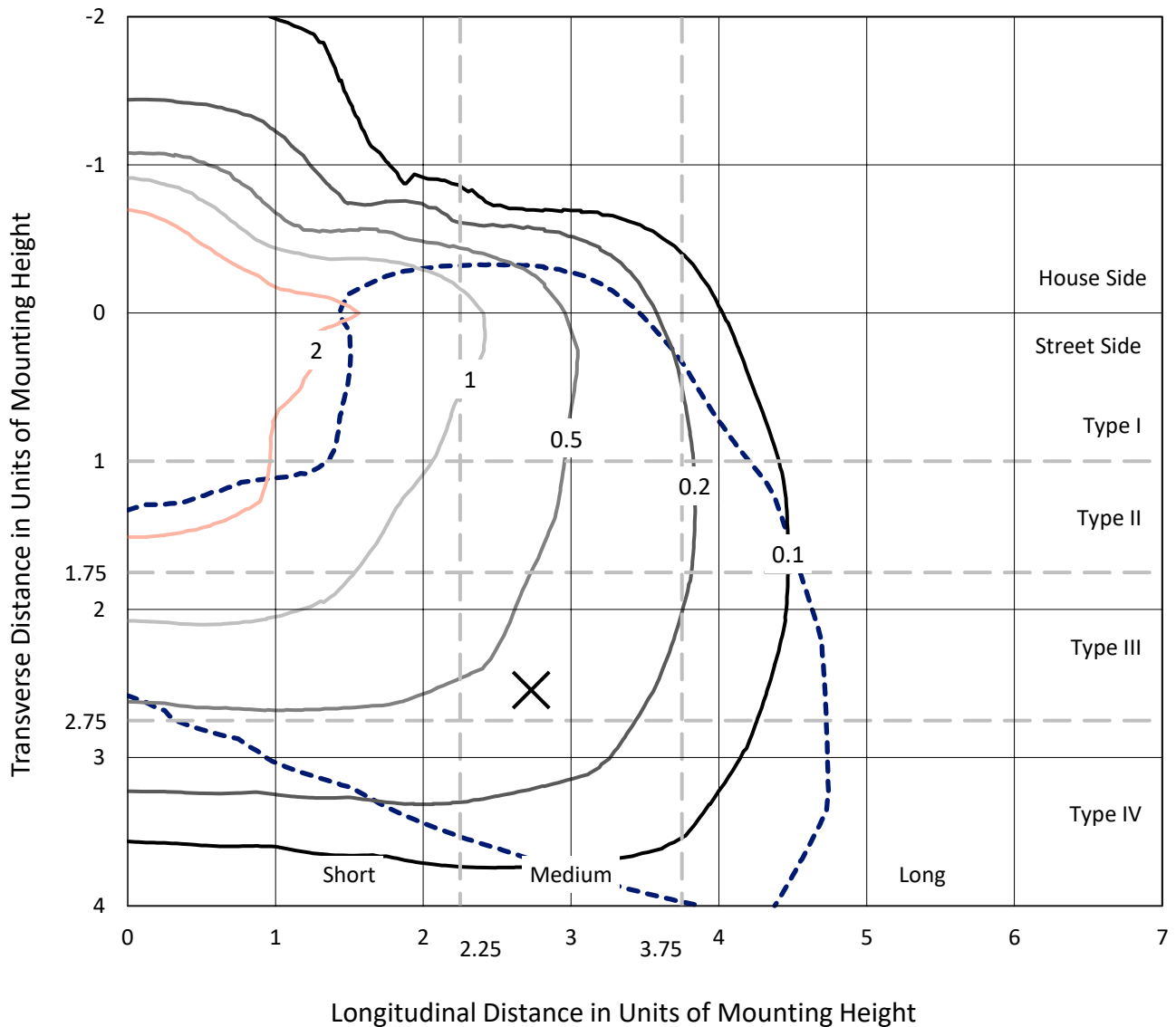
Lumens per Lamp: N/A
Luminaire Lumens: 7737.1 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

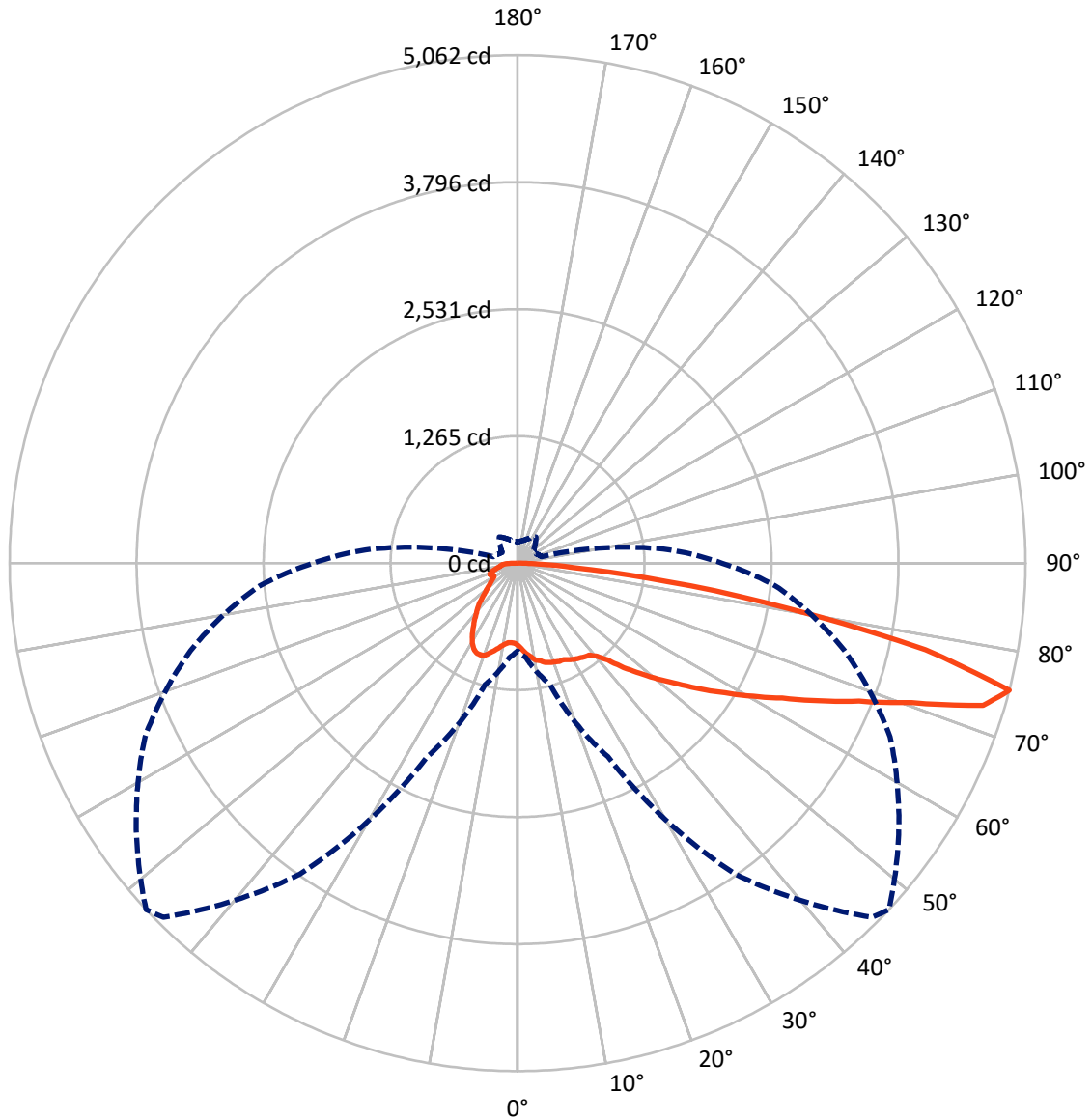
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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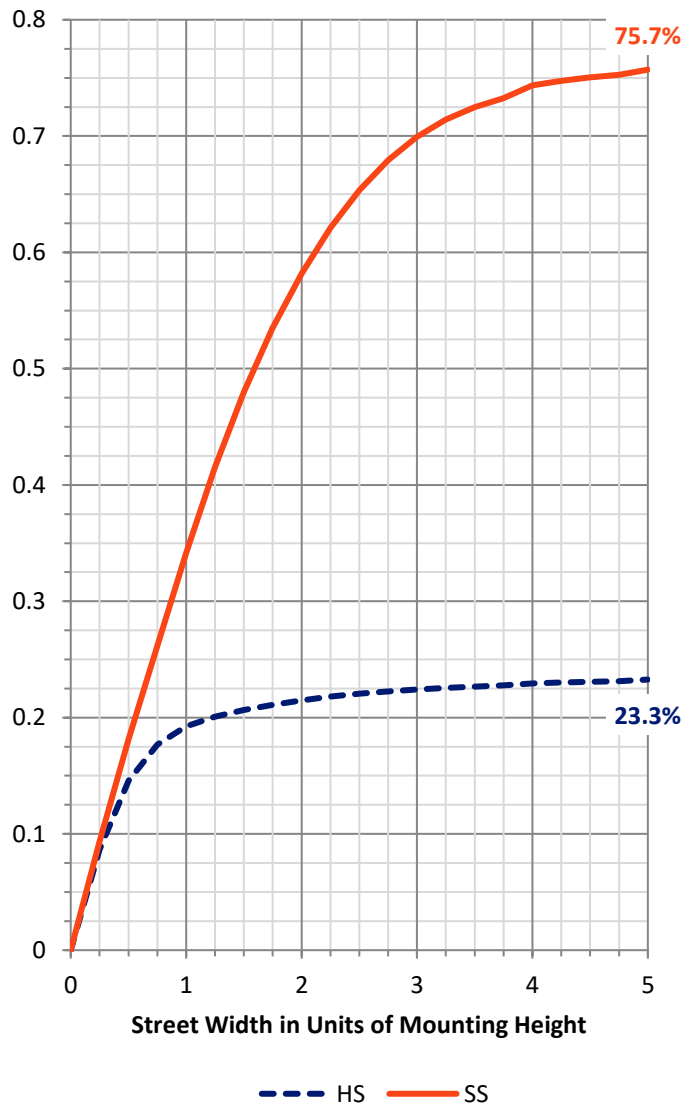
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.3	0.0	1850.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5886.8	0.0	5886.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	7737.1	0.0	7737.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.1
10°-20°	275.8	3.6
20°-30°	472.4	6.1
30°-40°	661.0	8.5
40°-50°	921.6	11.9
50°-60°	1377.5	17.8
60°-70°	1986.0	25.7
70°-80°	1690.5	21.8
80°-90°	269.3	3.5
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°	7737.1	100.0
0°-180°	7737.1	100.0



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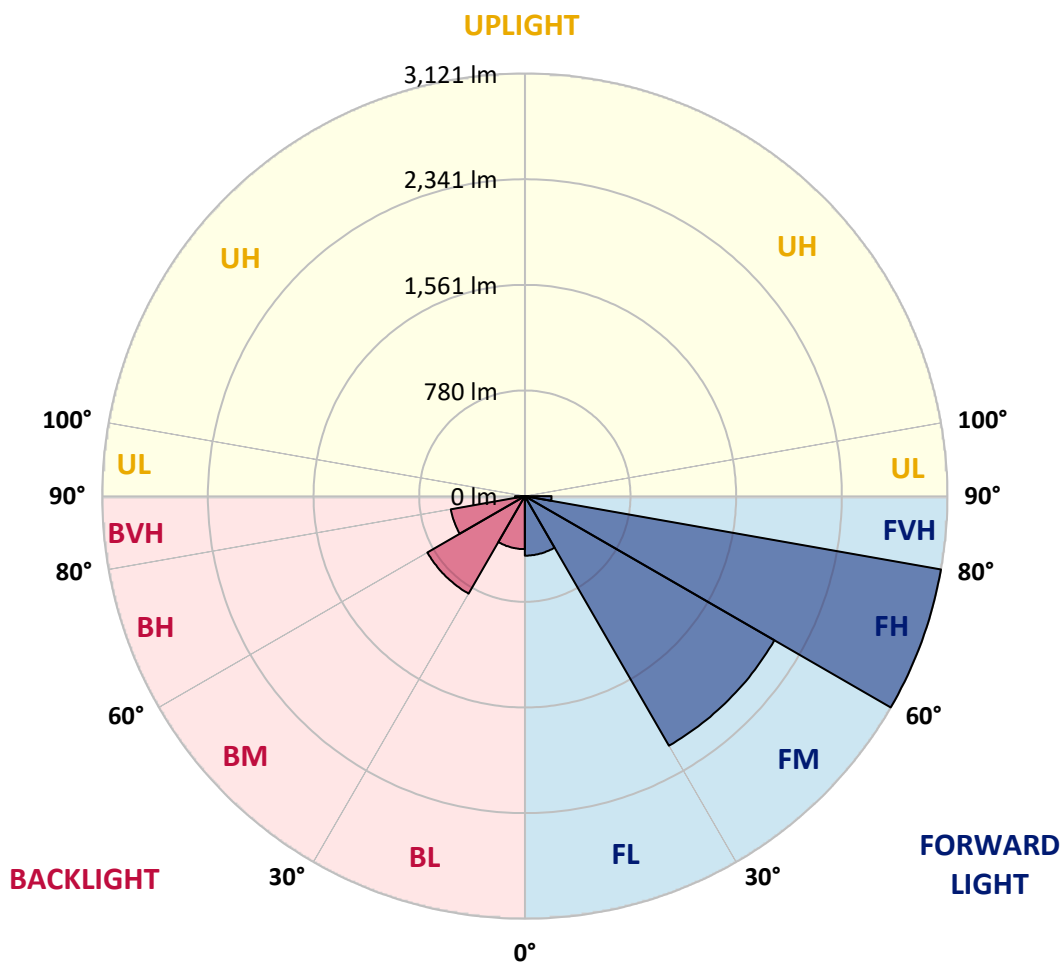
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.6	5.7			
FM (30°-60°)	2128.4	27.5			
FH (60°-80°)	3121.4	40.3			G2/5000
FVH (80°-90°)	197.3	2.6			G2/225
BL (0°-30°)	391.6	5.1	B1/500		
BM (30°-60°)	831.6	10.7	B1/1000		
BH (60°-80°)	555.1	7.2	B2/1000		G2/1000
BVH (80°-90°)	72.0	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5
2.5°	880.8	883.6	883.6	878.0	872.3	861.0	861.0	849.7	844.1	830.0	824.3
5°	962.7	954.2	945.7	942.9	928.8	909.0	906.2	894.9	863.9	849.7	830.0
7.5°	1021.9	1019.1	1016.3	1005.0	979.6	948.5	940.1	923.1	892.1	863.9	841.3
10°	1069.9	1081.2	1069.9	1044.5	1019.1	985.2	982.4	951.4	923.1	889.3	861.0
12.5°	1123.6	1126.4	1106.6	1075.6	1036.1	1007.8	996.5	985.2	954.2	926.0	883.6
15°	1160.3	1154.6	1140.5	1098.2	1053.0	1024.8	1027.6	1013.5	979.6	959.8	914.7
17.5°	1160.3	1160.3	1137.7	1106.6	1067.1	1041.7	1041.7	1033.2	1010.7	982.4	951.4
20°	1137.7	1137.7	1123.6	1106.6	1061.5	1055.8	1050.2	1044.5	1044.5	1019.1	974.0
22.5°	1109.5	1103.8	1109.5	1081.2	1050.2	1055.8	1064.3	1061.5	1053.0	1030.4	999.4
25°	1081.2	1084.1	1089.7	1069.9	1041.7	1067.1	1064.3	1078.4	1072.8	1055.8	1030.4
27.5°	1078.4	1084.1	1086.9	1067.1	1055.8	1078.4	1089.7	1103.8	1106.6	1089.7	1058.6
30°	1120.8	1117.9	1115.1	1089.7	1081.2	1101.0	1112.3	1132.0	1149.0	1112.3	1086.9
32.5°	1230.9	1213.9	1197.0	1129.2	1103.8	1117.9	1129.2	1157.5	1160.3	1140.5	1103.8
35°	1405.9	1394.6	1338.1	1219.6	1149.0	1134.9	1146.2	1165.9	1171.6	1157.5	1129.2
37.5°	1606.3	1600.7	1521.6	1377.7	1242.1	1174.4	1163.1	1191.3	1213.9	1182.9	1143.3
40°	1803.9	1781.4	1724.9	1583.7	1360.7	1233.7	1219.6	1233.7	1242.1	1219.6	1194.2
42.5°	1981.8	1956.4	1942.3	1801.1	1516.0	1332.5	1321.2	1287.3	1312.7	1284.5	1250.6
45°	2131.4	2125.8	2120.1	1998.7	1693.8	1493.4	1484.9	1397.4	1425.6	1403.1	1355.1
47.5°	2238.7	2264.1	2255.6	2187.9	1897.1	1665.6	1640.2	1527.3	1569.6	1547.0	1499.0
50°	2365.7	2379.8	2371.4	2326.2	2086.2	1863.2	1815.2	1699.5	1747.5	1744.7	1719.2
52.5°	2478.6	2521.0	2473.0	2470.2	2357.3	2077.8	1995.9	1885.8	1964.9	1995.9	1993.1
55°	2611.3	2645.2	2631.1	2625.4	2600.0	2286.7	2213.3	2080.6	2213.3	2258.4	2298.0
57.5°	2724.3	2721.4	2775.1	2840.0	2871.1	2526.6	2439.1	2283.9	2484.3	2535.1	2645.2
60°	2775.1	2823.1	2913.4	3077.1	3164.7	2783.5	2693.2	2569.0	2758.1	2797.7	3000.9
62.5°	2808.9	2851.3	3026.3	3303.0	3353.8	3046.1	2961.4	2837.2	3057.4	3085.6	3387.7
65°	2715.8	2755.3	3102.5	3387.7	3568.3	3328.4	3308.6	3178.8	3356.6	3373.6	3794.2
67.5°	2608.5	2650.9	3037.6	3494.9	3853.5	3703.9	3672.8	3517.5	3653.0	3633.3	4104.7
70°	2419.4	2475.8	2871.1	3588.1	4169.7	4228.9	4166.8	3946.6	3960.8	3774.4	4118.8
72.5°	1843.5	1880.2	2247.2	3218.3	4316.5	4957.3	4850.0	4409.6	4248.7	3802.7	3636.1
75°	875.1	942.9	1253.4	2128.6	3782.9	4991.2	5061.7	4638.3	4096.3	3373.6	2577.5
77.5°	254.1	254.1	381.1	903.4	2371.4	4022.9	4155.5	3938.2	3379.2	2498.4	1355.1
80°	138.3	146.8	200.4	319.0	1041.7	2537.9	2729.9	2611.3	1990.3	988.1	350.1
82.5°	79.0	81.9	132.7	192.0	474.3	1380.5	1493.4	1355.1	756.6	299.2	163.7
85°	45.2	48.0	76.2	127.0	282.3	508.2	553.3	479.9	304.9	200.4	81.9
87.5°	22.6	22.6	36.7	59.3	144.0	144.0	141.2	172.2	183.5	121.4	36.7
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°	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5
2.5°	821.5	818.7	818.7	807.4	804.6	796.1	796.1	790.5	787.6	796.1	796.1
5°	824.3	810.2	807.4	796.1	798.9	793.3	804.6	798.9	796.1	796.1	793.3
7.5°	830.0	815.9	804.6	796.1	793.3	801.7	815.9	815.9	832.8	824.3	824.3
10°	844.1	835.6	821.5	815.9	815.9	824.3	841.3	852.6	866.7	866.7	858.2
12.5°	878.0	863.9	846.9	838.4	849.7	858.2	875.1	886.4	903.4	909.0	903.4
15°	903.4	889.3	883.6	878.0	886.4	897.7	911.8	923.1	942.9	948.5	945.7
17.5°	937.3	920.3	917.5	920.3	926.0	934.4	942.9	951.4	965.5	965.5	965.5
20°	954.2	948.5	945.7	954.2	965.5	976.8	971.1	965.5	962.7	968.3	965.5
22.5°	985.2	979.6	982.4	990.9	990.9	985.2	976.8	957.0	951.4	957.0	951.4
25°	1013.5	1007.8	1007.8	1002.2	999.4	979.6	962.7	945.7	926.0	934.4	931.6
27.5°	1041.7	1038.9	1038.9	1016.3	988.1	954.2	931.6	911.8	900.6	914.7	906.2
30°	1075.6	1078.4	1064.3	1010.7	942.9	906.2	880.8	878.0	875.1	883.6	880.8
32.5°	1106.6	1109.5	1086.9	1002.2	909.0	838.4	813.0	815.9	830.0	844.1	858.2
35°	1123.6	1137.7	1109.5	974.0	841.3	762.2	734.0	759.4	784.8	804.6	818.7
37.5°	1154.6	1191.3	1143.3	942.9	782.0	694.5	674.7	683.2	714.2	745.3	759.4
40°	1199.8	1242.1	1151.8	883.6	702.9	626.7	615.4	618.3	629.5	649.3	663.4
42.5°	1278.8	1324.0	1160.3	807.4	623.9	584.4	553.3	544.9	536.4	536.4	533.6
45°	1394.6	1436.9	1149.0	711.4	544.9	516.6	494.0	474.3	451.7	415.0	420.6
47.5°	1564.0	1597.9	1157.5	626.7	471.5	448.9	431.9	409.3	375.5	335.9	333.1
50°	1820.9	1770.1	1146.2	539.2	417.8	398.1	383.9	352.9	313.4	285.1	282.3
52.5°	2120.1	2018.5	1134.9	465.8	372.6	355.7	344.4	310.5	273.8	259.7	256.9
55°	2481.5	2334.7	1151.8	400.9	338.8	324.7	313.4	282.3	254.1	242.8	240.0
57.5°	2907.8	2676.3	1245.0	350.1	302.1	296.4	293.6	268.2	242.8	234.3	231.5
60°	3308.6	3003.7	1307.1	313.4	268.2	273.8	279.5	268.2	240.0	234.3	234.3
62.5°	3644.6	3274.8	1208.3	282.3	251.3	268.2	293.6	285.1	273.8	279.5	273.8
65°	3941.0	3367.9	903.4	265.4	242.8	282.3	324.7	321.8	296.4	302.1	299.2
67.5°	3991.8	3255.0	590.0	251.3	237.1	310.5	364.2	330.3	279.5	279.5	271.0
70°	3780.1	2952.9	395.2	237.1	234.3	310.5	372.6	310.5	262.5	262.5	251.3
72.5°	3102.5	2360.1	304.9	223.0	214.6	276.7	352.9	293.6	245.6	240.0	220.2
75°	2038.3	1521.6	248.4	211.7	186.3	242.8	319.0	271.0	234.3	217.4	208.9
77.5°	999.4	683.2	208.9	186.3	160.9	211.7	290.8	256.9	220.2	203.3	197.6
80°	273.8	245.6	175.0	163.7	135.5	183.5	273.8	245.6	206.1	189.1	180.7
82.5°	155.3	152.4	141.2	132.7	112.9	183.5	276.7	245.6	194.8	192.0	163.7
85°	84.7	90.3	101.6	98.8	87.5	163.7	262.5	214.6	158.1	132.7	132.7
87.5°	33.9	42.3	50.8	56.5	59.3	121.4	197.6	163.7	121.4	101.6	101.6
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)