

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: P670830

Luminaire Tested: **CCP-SA-1F-750-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670830
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-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3
distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

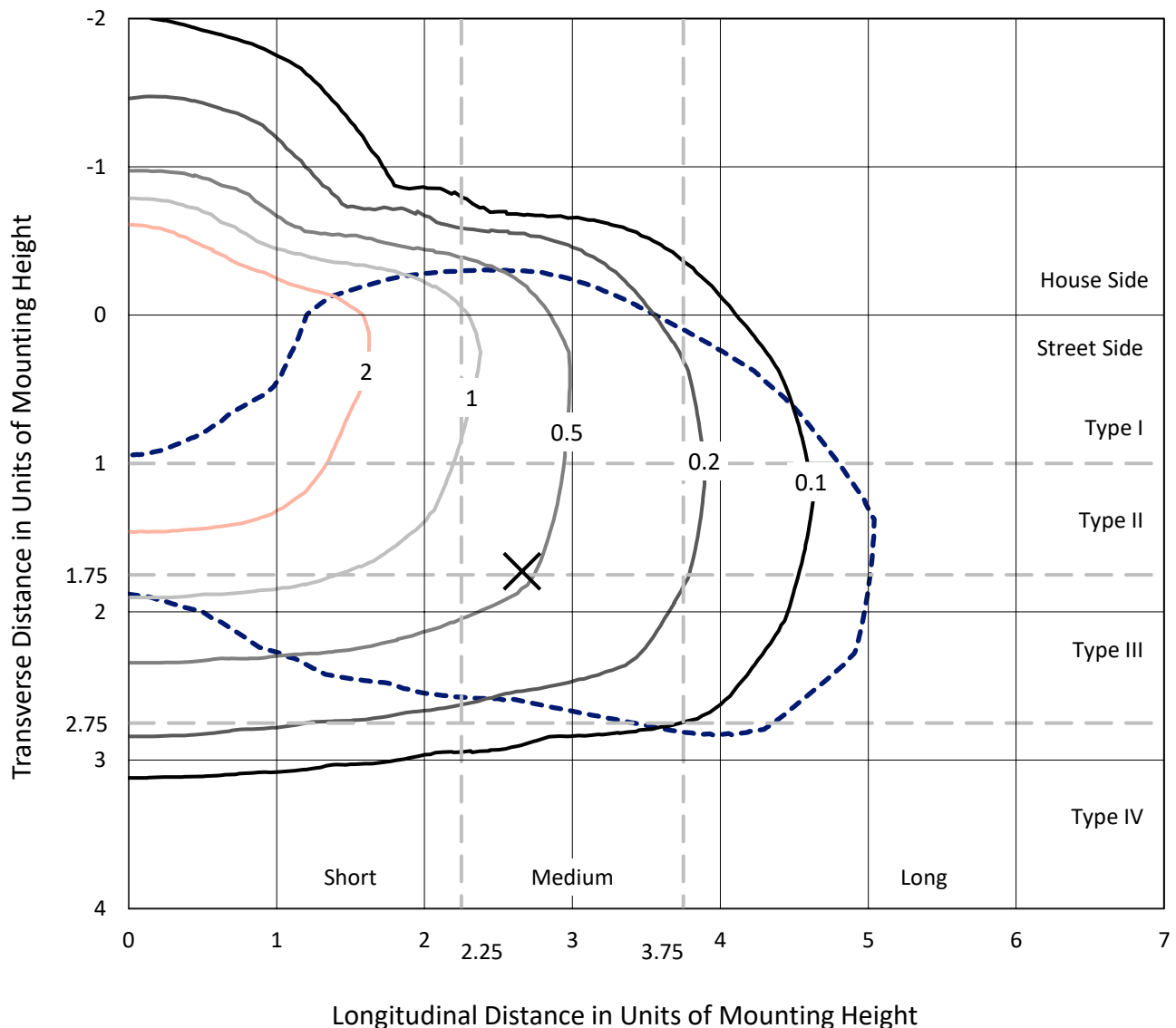
Lumens per Lamp: N/A
Luminaire Lumens: 7749 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

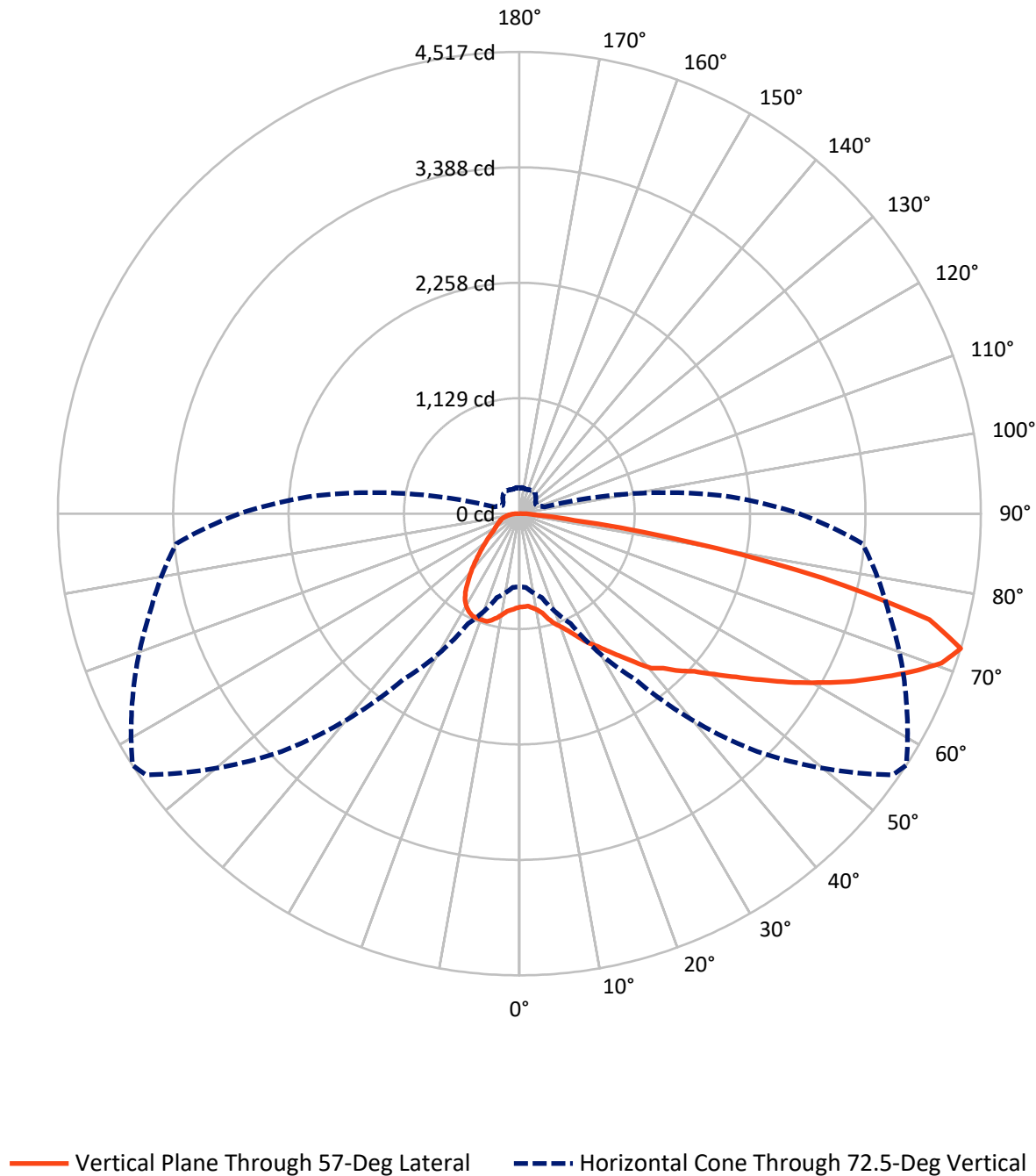
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1809.7	0.0	1809.7
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5939.3	0.0	5939.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	7749.0	0.0	7749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.2
10°-20°	306.0	3.9
20°-30°	559.3	7.2
30°-40°	820.6	10.6
40°-50°	1129.9	14.6
50°-60°	1549.4	20.0
60°-70°	1867.7	24.1
70°-80°	1244.2	16.1
80°-90°	181.2	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°	7749.0	100.0
0°-180°	7749.0	100.0

Coefficient of Utilization



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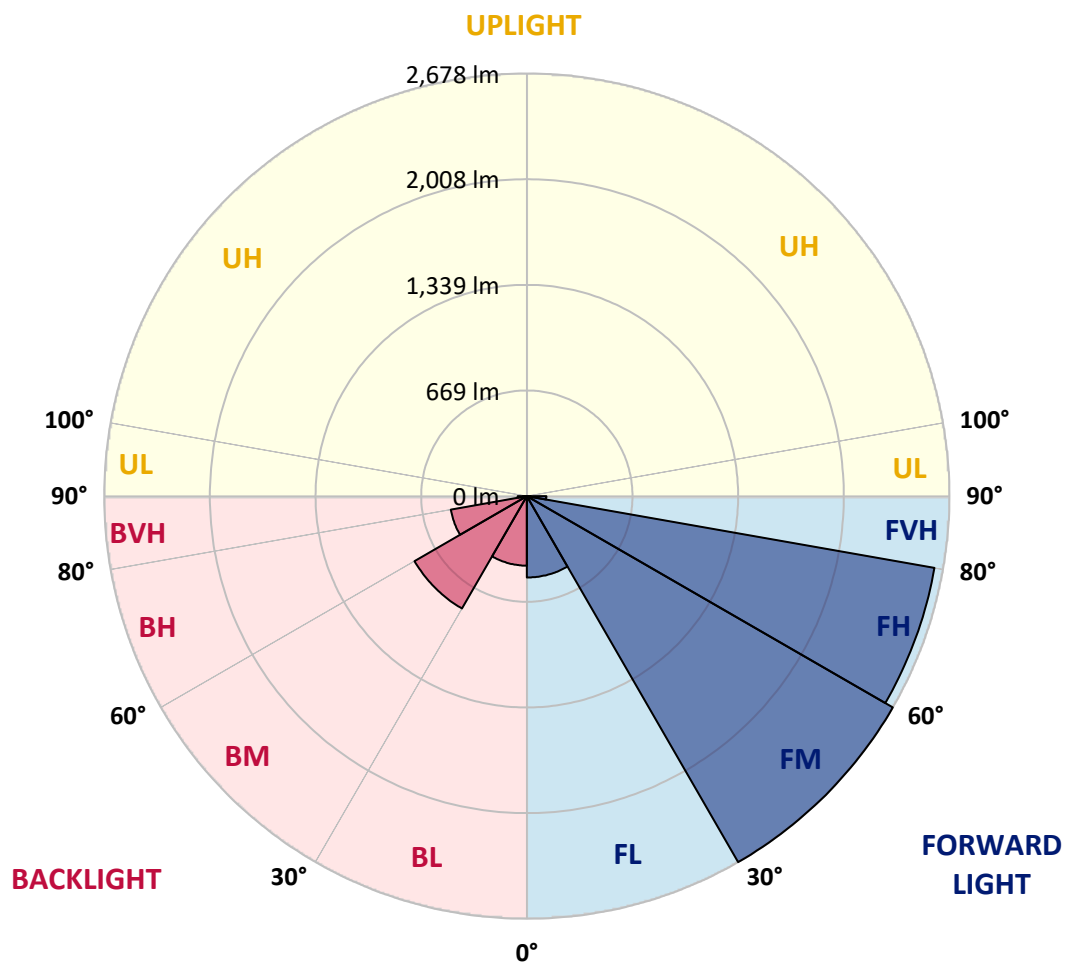
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	515.5	6.7			
FM	(30°-60°)	2677.9	34.6			
FH	(60°-80°)	2622.6	33.8			G2/5000
FVH	(80°-90°)	123.4	1.6			G2/225
BL	(0°-30°)	440.6	5.7	B1/500		
BM	(30°-60°)	822.0	10.6	B1/1000		
BH	(60°-80°)	489.3	6.3	B1/500		G1/500
BVH	(80°-90°)	57.8	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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	897.7	900.5	906.2	903.3	903.3	894.9	909.0	911.8	906.2	909.0	914.6
5°	897.7	903.3	911.8	906.2	909.0	906.2	900.5	909.0	909.0	911.8	920.3
7.5°	945.7	942.9	942.9	934.4	931.6	928.7	931.6	931.6	925.9	928.7	928.7
10°	999.3	999.3	993.7	993.7	988.0	973.9	959.8	957.0	948.5	951.3	951.3
12.5°	1055.8	1061.4	1067.1	1050.1	1044.5	1021.9	1013.4	996.5	996.5	990.9	988.0
15°	1126.4	1117.9	1123.5	1117.9	1103.8	1081.2	1067.1	1069.9	1050.1	1044.5	1036.0
17.5°	1188.5	1191.3	1182.8	1177.2	1151.8	1134.8	1137.6	1134.8	1109.4	1100.9	1086.8
20°	1261.9	1259.0	1259.0	1242.1	1219.5	1196.9	1188.5	1185.6	1191.3	1174.3	1140.5
22.5°	1338.1	1326.8	1326.8	1312.7	1281.6	1267.5	1261.9	1250.6	1256.2	1242.1	1191.3
25°	1400.2	1400.2	1419.9	1391.7	1374.8	1346.5	1335.2	1338.1	1340.9	1312.7	1253.4
27.5°	1482.0	1467.9	1487.7	1473.6	1465.1	1434.1	1419.9	1428.4	1422.8	1391.7	1309.8
30°	1586.5	1589.3	1578.0	1558.3	1547.0	1524.4	1515.9	1507.4	1515.9	1476.4	1371.9
32.5°	1716.3	1724.8	1696.6	1674.0	1654.2	1631.7	1614.7	1606.3	1614.7	1555.4	1419.9
35°	1866.0	1874.4	1851.8	1826.4	1803.9	1747.4	1733.3	1719.2	1688.1	1592.1	1465.1
37.5°	2004.3	1993.0	1987.3	1987.3	1945.0	1863.1	1854.7	1846.2	1786.9	1665.5	1527.2
40°	2097.4	2111.6	2105.9	2100.3	2094.6	2018.4	2001.5	1987.3	1888.5	1775.6	1614.7
42.5°	2201.9	2193.4	2216.0	2224.5	2204.7	2182.1	2114.4	2066.4	1978.9	1888.5	1744.6
45°	2326.1	2320.5	2328.9	2360.0	2331.7	2340.2	2227.3	2193.4	2083.3	2029.7	1908.3
47.5°	2436.2	2450.3	2492.7	2501.1	2478.5	2518.1	2360.0	2306.3	2235.8	2193.4	2077.7
50°	2484.2	2501.1	2597.1	2656.4	2659.2	2721.3	2492.7	2470.1	2374.1	2391.0	2289.4
52.5°	2444.7	2498.3	2614.0	2769.3	2865.3	2927.4	2667.7	2656.4	2568.9	2622.5	2520.9
55°	2481.4	2532.2	2608.4	2825.8	3068.5	3082.6	2910.4	2868.1	2780.6	2854.0	2760.8
57.5°	2498.3	2470.1	2614.0	2887.9	3218.1	3254.8	3141.9	3110.9	3043.1	3113.7	3060.1
60°	2365.6	2399.5	2535.0	2870.9	3226.6	3438.3	3401.6	3356.5	3294.4	3359.3	3328.2
62.5°	2216.0	2238.6	2385.4	2769.3	3274.6	3571.0	3652.9	3619.0	3531.5	3588.0	3641.6
65°	2026.9	2029.7	2193.4	2588.6	3181.4	3647.2	3873.1	3870.2	3808.1	3794.0	3878.7
67.5°	1795.4	1818.0	1947.8	2396.7	3054.4	3731.9	4090.4	4132.8	4008.6	3898.5	3929.5
70°	1377.6	1400.2	1524.4	1964.8	2794.7	3706.5	4358.6	4381.2	4138.4	3859.0	3779.9
72.5°	717.0	722.7	849.7	1185.6	1981.7	3291.5	4457.4	4516.7	4172.3	3743.2	3370.6
75°	237.1	237.1	290.8	451.7	934.4	2105.9	4036.8	4144.1	4005.7	3455.3	2758.0
77.5°	141.1	144.0	172.2	225.8	372.6	841.2	2845.5	3034.7	3277.4	2938.7	2015.6
80°	101.6	104.4	129.9	155.3	223.0	271.0	1428.4	1690.9	2012.8	1891.4	1075.5
82.5°	76.2	76.2	101.6	115.7	152.4	160.9	398.0	544.8	869.5	677.5	296.4
85°	79.0	79.0	79.0	81.9	104.4	93.2	166.6	177.8	254.1	223.0	81.9
87.5°	28.2	31.1	79.0	53.6	53.6	39.5	64.9	70.6	90.3	93.2	31.1
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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	917.5	917.5	920.3	920.3	925.9	931.6	940.0	934.4	934.4	937.2	934.4
5°	914.6	917.5	925.9	940.0	945.7	948.5	965.4	965.4	965.4	971.1	971.1
7.5°	925.9	931.6	945.7	959.8	962.6	971.1	993.7	999.3	1013.4	1019.1	1021.9
10°	954.2	962.6	973.9	990.9	1002.1	1013.4	1030.4	1050.1	1047.3	1064.2	1067.1
12.5°	996.5	993.7	1013.4	1030.4	1041.7	1058.6	1064.2	1064.2	1064.2	1064.2	1069.9
15°	1030.4	1036.0	1053.0	1064.2	1078.4	1075.5	1064.2	1053.0	1055.8	1053.0	1053.0
17.5°	1081.2	1081.2	1095.3	1098.1	1103.8	1075.5	1058.6	1058.6	1067.1	1067.1	1061.4
20°	1132.0	1129.2	1134.8	1132.0	1095.3	1061.4	1058.6	1061.4	1064.2	1061.4	1058.6
22.5°	1180.0	1174.3	1165.9	1154.6	1089.7	1058.6	1053.0	1038.8	1024.7	1024.7	1016.3
25°	1222.3	1216.7	1194.1	1160.2	1086.8	1041.7	1013.4	979.6	962.6	954.2	965.4
27.5°	1261.9	1250.6	1219.5	1160.2	1061.4	996.5	942.9	900.5	886.4	875.1	886.4
30°	1315.5	1295.7	1253.4	1151.8	1021.9	925.9	852.5	801.7	787.6	770.7	776.3
32.5°	1363.5	1318.3	1281.6	1126.4	971.1	846.9	762.2	711.4	686.0	671.9	683.2
35°	1414.3	1369.1	1292.9	1086.8	892.0	750.9	666.2	618.2	598.5	578.7	578.7
37.5°	1465.1	1439.7	1309.8	1013.4	796.1	660.6	584.3	547.6	513.8	477.1	477.1
40°	1572.4	1538.5	1329.6	928.7	700.1	573.1	519.4	471.4	437.6	386.7	383.9
42.5°	1685.3	1611.9	1329.6	827.1	615.4	511.0	460.1	409.3	347.2	316.2	319.0
45°	1829.3	1744.6	1292.9	736.8	530.7	460.1	403.7	338.8	310.5	290.8	290.8
47.5°	2009.9	1877.3	1247.7	638.0	463.0	415.0	344.4	304.9	285.1	268.2	265.4
50°	2224.5	1998.6	1191.3	553.3	406.5	372.6	313.3	282.3	265.4	254.1	254.1
52.5°	2450.3	2176.5	1151.8	477.1	361.3	316.2	290.8	271.0	256.9	248.4	245.6
55°	2679.0	2354.3	1123.5	395.2	319.0	290.8	285.1	268.2	262.5	254.1	248.4
57.5°	2935.9	2501.1	1117.9	338.8	285.1	279.5	290.8	276.6	268.2	259.7	251.2
60°	3212.5	2698.7	1067.1	293.6	268.2	273.8	282.3	268.2	262.5	254.1	248.4
62.5°	3486.3	2845.5	928.7	259.7	251.2	256.9	268.2	256.9	248.4	251.2	254.1
65°	3599.2	2856.8	719.8	234.3	231.5	234.3	251.2	248.4	239.9	256.9	256.9
67.5°	3486.3	2755.2	508.1	211.7	211.7	225.8	254.1	259.7	251.2	273.8	271.0
70°	3229.4	2503.9	344.4	197.6	203.3	239.9	262.5	256.9	245.6	273.8	268.2
72.5°	2741.1	2004.3	251.2	183.5	192.0	228.7	259.7	254.1	245.6	256.9	245.6
75°	2057.9	1425.6	197.6	166.6	169.4	206.1	268.2	254.1	231.5	225.8	217.4
77.5°	1374.8	880.8	152.4	146.8	146.8	180.7	256.9	237.1	208.9	200.4	197.6
80°	654.9	352.9	121.4	124.2	127.0	155.3	234.3	211.7	189.1	177.8	177.8
82.5°	208.9	132.7	101.6	101.6	101.6	127.0	194.8	177.8	163.7	155.3	141.1
85°	73.4	73.4	87.5	90.3	81.9	93.2	160.9	152.4	135.5	112.9	110.1
87.5°	28.2	42.3	59.3	70.6	50.8	64.9	115.7	107.3	98.8	73.4	70.6
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)