

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: P674886

Luminaire Tested: **CCW-SA-2C-830-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674886
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-830-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7166.5 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

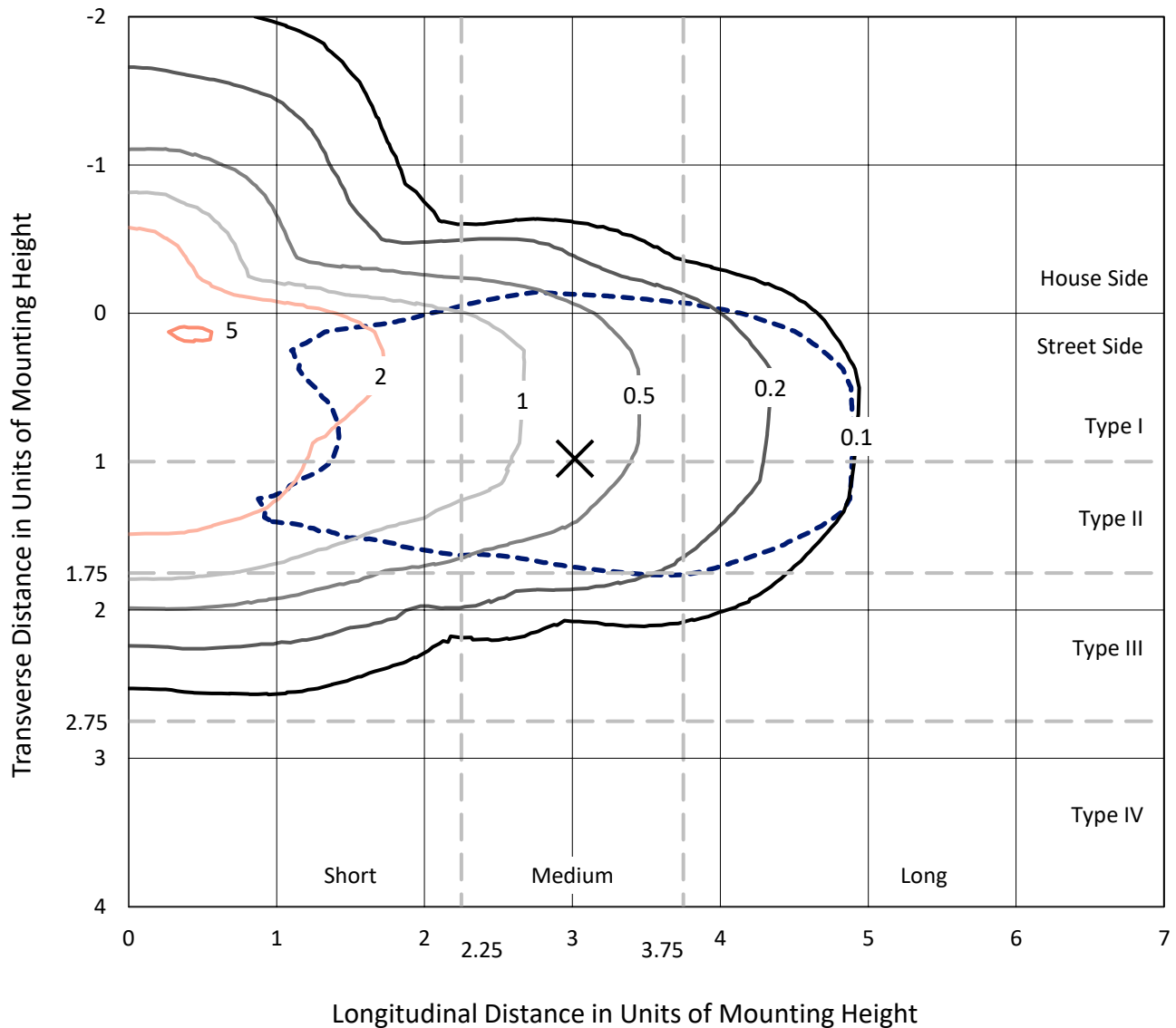
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

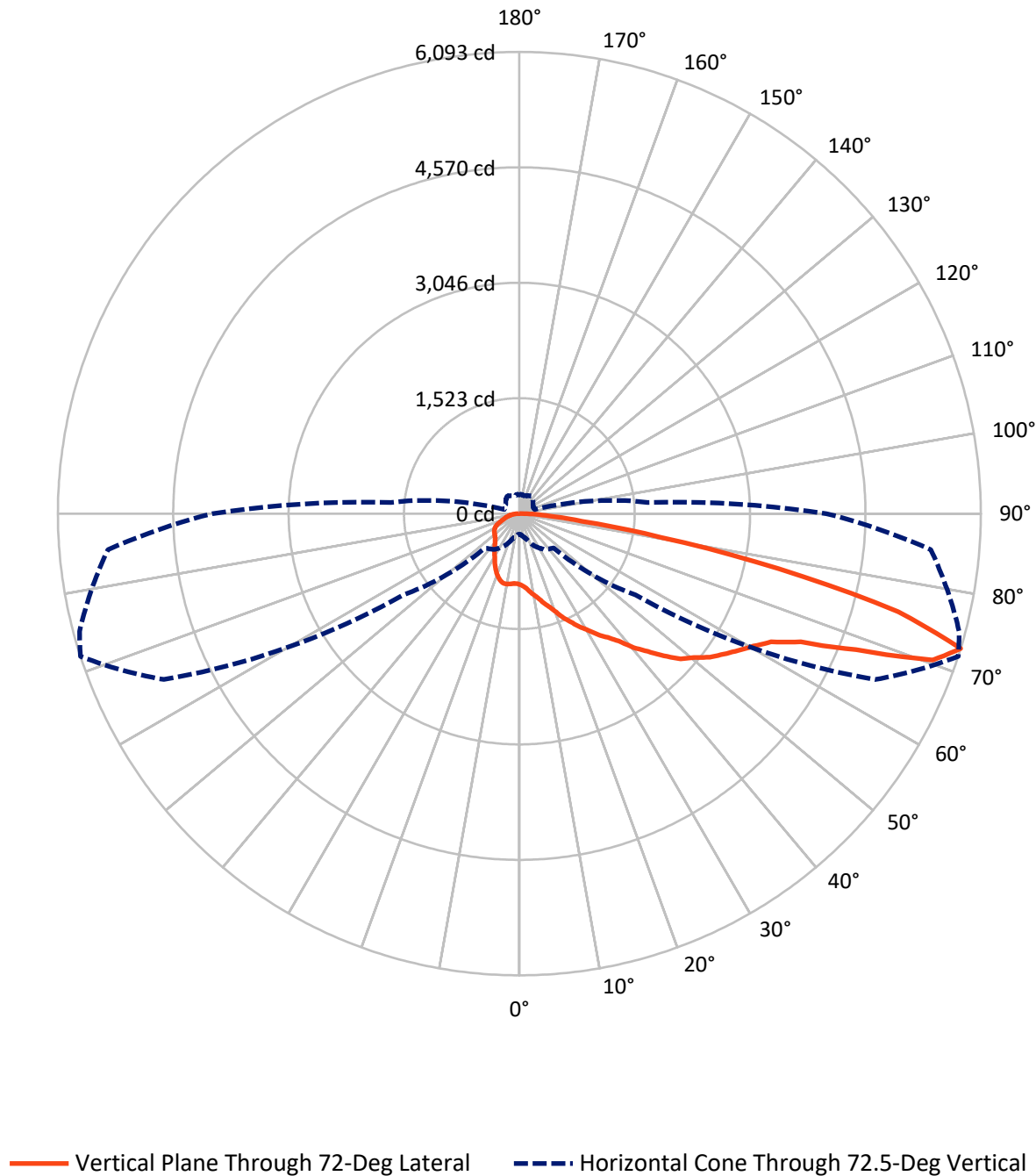


Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1508.2	0.0	1508.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5658.2	0.0	5658.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	7166.5	0.0	7166.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.3
10°-20°	287.6	4.0
20°-30°	497.6	6.9
30°-40°	735.1	10.3
40°-50°	1093.1	15.3
50°-60°	1498.6	20.9
60°-70°	1625.5	22.7
70°-80°	1146.0	16.0
80°-90°	190.4	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°	7166.5	100.0
0°-180°	7166.5	100.0

Coefficient of Utilization



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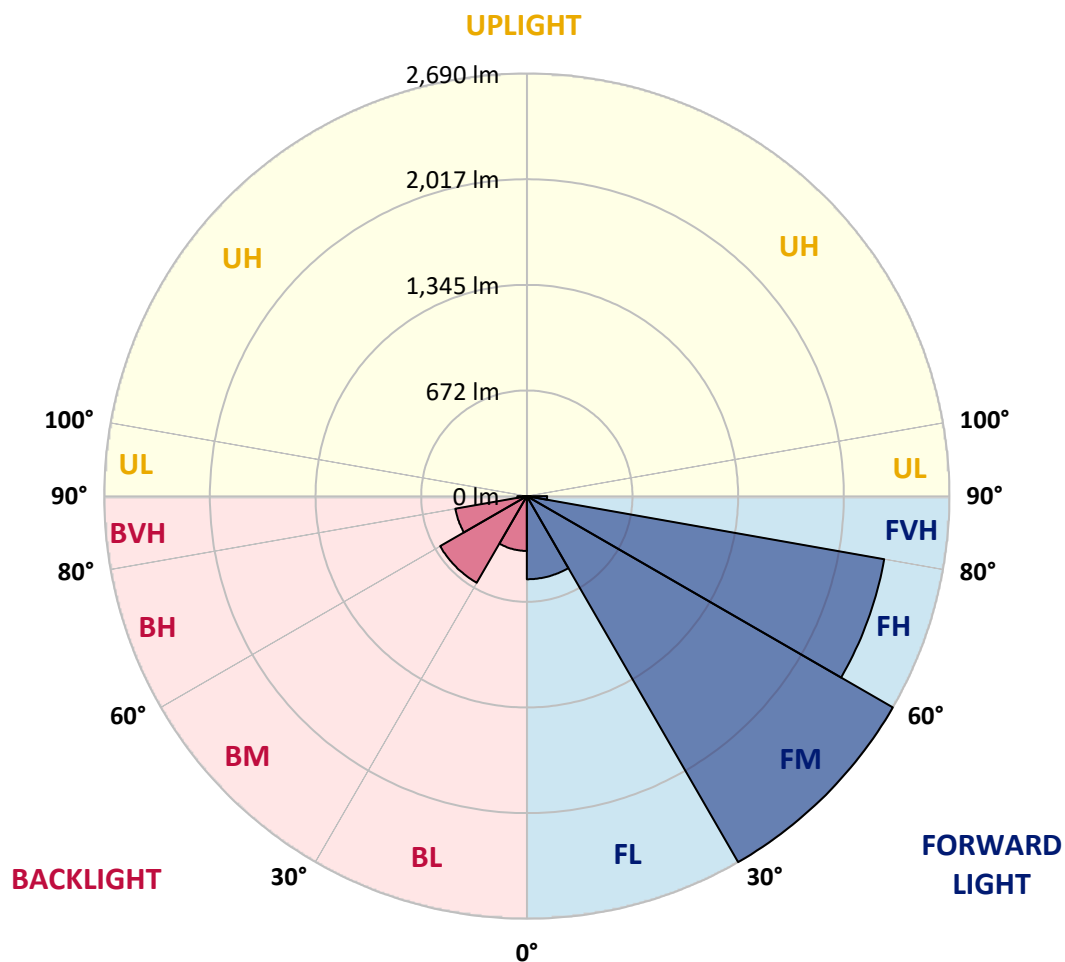
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.2	7.4			
FM	(30°-60°)	2689.7	37.5			
FH	(60°-80°)	2309.5	32.2			G2/5000
FVH	(80°-90°)	129.8	1.8			G2/225
BL	(0°-30°)	348.6	4.9	B1/500		
BM	(30°-60°)	637.0	8.9	B1/1000		
BH	(60°-80°)	462.0	6.4	B1/500		G1/500
BVH	(80°-90°)	60.6	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1
2.5°	1010.2	1010.2	1002.3	999.6	999.6	978.5	981.1	967.9	957.3	957.3	946.7
5°	1063.1	1057.8	1057.8	1057.8	1044.6	1036.6	1034.0	1010.2	991.7	994.3	962.6
7.5°	1076.3	1078.9	1081.6	1094.8	1086.9	1092.2	1086.9	1060.4	1047.2	1034.0	1004.9
10°	1084.2	1089.5	1089.5	1108.0	1108.0	1121.3	1129.2	1118.6	1094.8	1081.6	1034.0
12.5°	1102.7	1094.8	1105.4	1118.6	1131.8	1155.6	1179.4	1168.9	1153.0	1137.1	1084.2
15°	1102.7	1105.4	1113.3	1134.5	1155.6	1179.4	1221.7	1237.6	1229.7	1200.6	1145.1
17.5°	1071.0	1063.1	1100.1	1139.8	1179.4	1208.5	1264.1	1301.1	1295.8	1285.2	1200.6
20°	1073.7	1081.6	1094.8	1129.2	1192.7	1245.5	1314.3	1375.1	1388.3	1383.1	1274.6
22.5°	1121.3	1123.9	1137.1	1153.0	1203.2	1272.0	1375.1	1473.0	1496.8	1483.5	1356.6
25°	1168.9	1190.0	1190.0	1200.6	1219.1	1290.5	1414.8	1552.3	1586.7	1589.3	1441.2
27.5°	1245.5	1250.8	1266.7	1272.0	1287.9	1330.2	1459.7	1610.5	1689.8	1679.2	1517.9
30°	1335.5	1338.1	1348.7	1343.4	1346.0	1398.9	1502.1	1676.6	1785.0	1787.7	1599.9
32.5°	1441.2	1462.4	1467.7	1433.3	1438.6	1451.8	1568.2	1755.9	1904.0	1885.5	1671.3
35°	1597.3	1605.2	1589.3	1573.5	1533.8	1525.9	1636.9	1835.3	2007.1	2028.3	1777.1
37.5°	1790.3	1811.5	1790.3	1705.7	1663.4	1631.6	1721.5	1922.5	2131.4	2202.8	1882.9
40°	1970.1	1967.5	1946.3	1869.6	1795.6	1771.8	1843.2	2044.2	2324.5	2393.2	2036.2
42.5°	2115.6	2107.6	2094.4	2036.2	1967.5	1927.8	1983.3	2171.1	2485.8	2618.0	2213.4
45°	2242.5	2231.9	2234.6	2168.5	2102.3	2123.5	2123.5	2316.6	2676.2	2840.2	2417.0
47.5°	2361.5	2366.8	2358.9	2308.6	2258.4	2313.9	2284.8	2483.2	2864.0	3046.4	2588.9
50°	2499.0	2509.6	2483.2	2451.4	2406.5	2462.0	2425.0	2639.2	2985.6	3234.2	2795.2
52.5°	2628.6	2639.2	2663.0	2623.3	2578.4	2623.3	2538.7	2784.6	3146.9	3416.6	2953.9
55°	2660.3	2655.0	2787.3	2829.6	2853.4	2718.5	2639.2	2908.9	3273.8	3533.0	3133.7
57.5°	2514.9	2528.1	2707.9	2829.6	3083.4	2967.1	2752.9	3054.4	3406.1	3686.4	3300.3
60°	2152.6	2160.5	2385.3	2673.6	3043.8	3199.8	3059.6	3242.1	3551.5	3816.0	3488.0
62.5°	1438.6	1499.4	1779.7	2231.9	2763.5	3263.3	3548.9	3559.4	3728.7	3979.9	3744.6
65°	759.0	788.1	1007.5	1372.5	2094.4	3043.8	4009.0	4188.8	4083.1	4281.4	4114.8
67.5°	497.2	507.7	626.7	833.0	1208.5	2221.3	4061.9	5281.0	4794.4	4855.2	4707.1
70°	370.2	375.5	462.8	616.2	748.4	1187.4	3329.4	5791.4	5788.7	5627.4	5410.6
72.5°	272.4	280.3	341.1	470.7	576.5	640.0	1872.3	5180.5	6092.8	6010.9	5452.9
75°	214.2	219.5	251.2	364.9	465.4	420.5	949.4	3837.1	5167.3	5561.3	4990.1
77.5°	174.5	179.8	198.3	264.4	372.9	325.3	454.8	2475.2	3503.9	4003.7	3818.6
80°	145.4	145.4	158.7	187.8	288.2	245.9	269.7	1391.0	1888.1	2083.8	1732.1
82.5°	124.3	121.6	132.2	137.5	214.2	177.2	174.5	629.4	830.4	880.6	650.5
85°	79.3	82.0	124.3	119.0	140.2	121.6	97.8	298.8	391.4	399.3	243.3
87.5°	31.7	31.7	52.9	66.1	79.3	74.0	47.6	134.9	171.9	171.9	68.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1	936.1
2.5°	944.1	933.5	925.6	920.3	907.1	893.8	896.5	893.8	883.3	878.0	878.0
5°	954.7	944.1	930.9	909.7	896.5	880.6	885.9	875.3	864.7	872.7	859.5
7.5°	981.1	962.6	944.1	912.3	891.2	867.4	856.8	851.5	843.6	838.3	838.3
10°	1018.1	991.7	957.3	909.7	875.3	838.3	833.0	822.4	814.5	814.5	811.9
12.5°	1055.1	1026.1	967.9	891.2	833.0	806.6	803.9	806.6	811.9	814.5	817.1
15°	1102.7	1055.1	965.2	856.8	798.6	788.1	801.3	811.9	822.4	833.0	830.4
17.5°	1147.7	1092.2	941.4	814.5	769.5	772.2	796.0	817.1	838.3	848.9	851.5
20°	1208.5	1126.5	907.1	764.3	740.4	764.3	796.0	822.4	846.2	859.5	862.1
22.5°	1277.3	1166.2	862.1	719.3	716.6	740.4	772.2	811.9	838.3	862.1	859.5
25°	1338.1	1192.7	803.9	682.3	687.6	703.4	740.4	782.8	809.2	835.7	827.7
27.5°	1377.8	1197.9	743.1	655.8	655.8	671.7	706.1	732.5	756.3	777.5	780.1
30°	1422.7	1187.4	674.3	621.4	621.4	642.6	655.8	671.7	684.9	690.2	695.5
32.5°	1475.6	1163.6	632.0	595.0	595.0	610.9	618.8	613.5	610.9	597.6	605.6
35°	1525.9	1129.2	584.4	560.6	571.2	579.1	576.5	560.6	544.8	521.0	513.0
37.5°	1586.7	1094.8	542.1	523.6	542.1	544.8	544.8	526.2	505.1	476.0	476.0
40°	1679.2	1068.4	507.7	499.8	518.3	515.7	502.4	489.2	497.2	481.3	481.3
42.5°	1777.1	1057.8	476.0	478.6	486.6	489.2	476.0	460.1	491.9	473.4	476.0
45°	1898.7	1065.7	454.8	452.2	470.7	468.1	460.1	446.9	457.5	409.9	396.7
47.5°	2012.4	1081.6	444.3	433.7	454.8	460.1	449.6	420.5	404.6	375.5	370.2
50°	2115.6	1116.0	433.7	412.5	433.7	444.3	425.8	394.0	375.5	357.0	357.0
52.5°	2213.4	1166.2	428.4	388.7	407.2	420.5	409.9	378.2	357.0	349.1	341.1
55°	2313.9	1211.2	420.5	372.9	378.2	404.6	402.0	359.6	338.5	338.5	335.8
57.5°	2456.7	1272.0	409.9	346.4	357.0	386.1	386.1	351.7	327.9	330.6	333.2
60°	2602.2	1343.4	399.3	320.0	327.9	367.6	372.9	341.1	320.0	322.6	320.0
62.5°	2834.9	1475.6	378.2	288.2	304.1	343.8	357.0	327.9	309.4	314.7	314.7
65°	3186.6	1703.0	333.2	261.8	280.3	322.6	341.1	314.7	293.5	309.4	304.1
67.5°	3752.5	2015.1	280.3	240.6	264.4	301.5	322.6	298.8	280.3	304.1	296.2
70°	4260.2	2168.5	240.6	222.1	240.6	277.7	301.5	283.0	264.4	288.2	277.7
72.5°	4054.0	1700.4	208.9	201.0	219.5	251.2	280.3	261.8	243.3	256.5	245.9
75°	3498.6	1354.0	182.5	179.8	195.7	227.4	256.5	243.3	224.8	230.1	224.8
77.5°	2652.4	1118.6	156.0	153.4	166.6	203.6	230.1	219.5	201.0	198.3	198.3
80°	1184.7	550.0	129.6	129.6	137.5	174.5	195.7	190.4	171.9	169.2	166.6
82.5°	388.7	208.9	105.8	100.5	111.1	145.4	174.5	169.2	150.7	145.4	140.2
85°	156.0	100.5	76.7	76.7	87.3	121.6	156.0	145.4	121.6	108.4	108.4
87.5°	52.9	42.3	39.7	39.7	55.5	82.0	116.4	97.8	87.3	76.7	79.3
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)