

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: P674894

Luminaire Tested: **CCW-SA-1F-835-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674894
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6162.7 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - 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

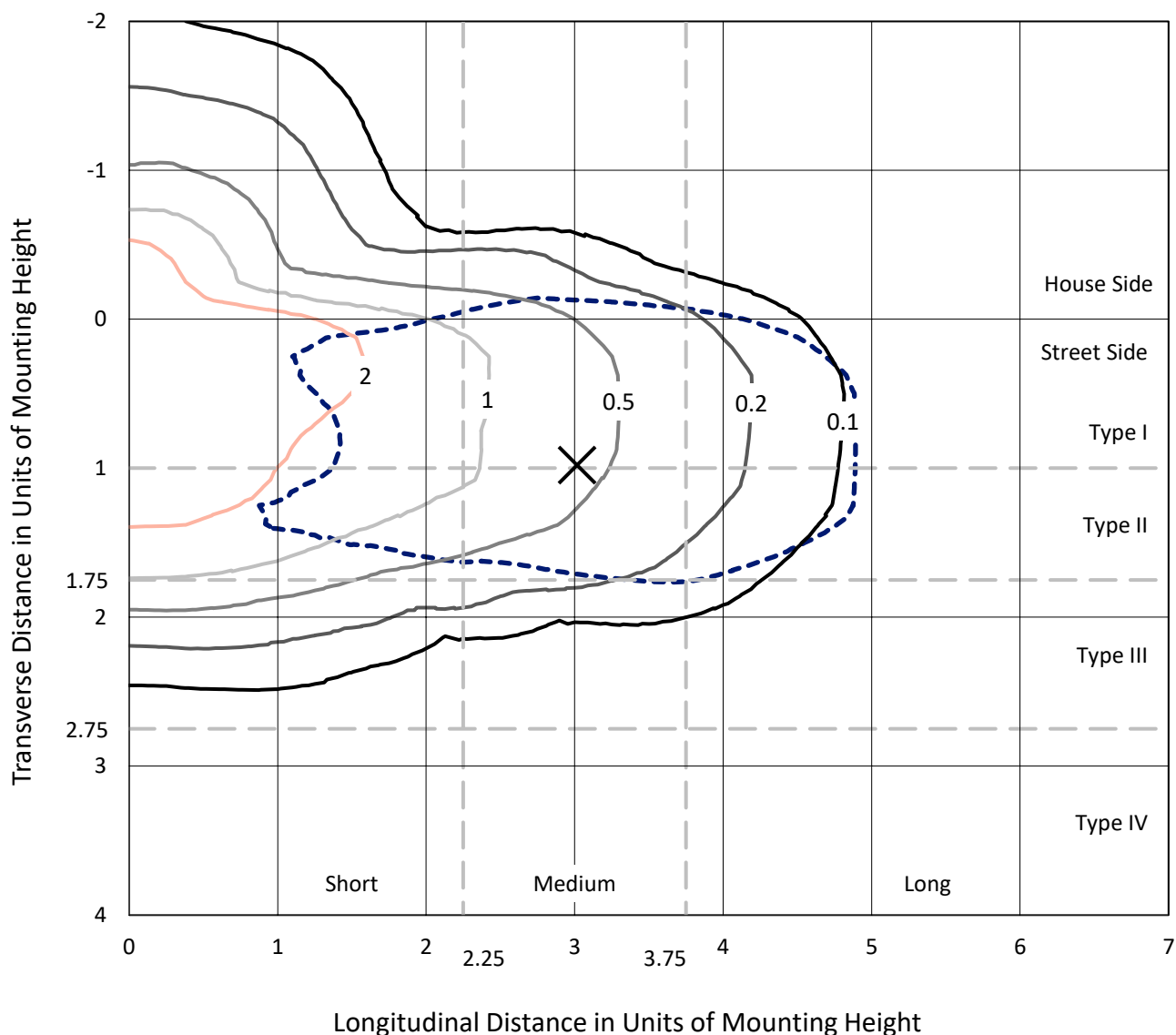
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

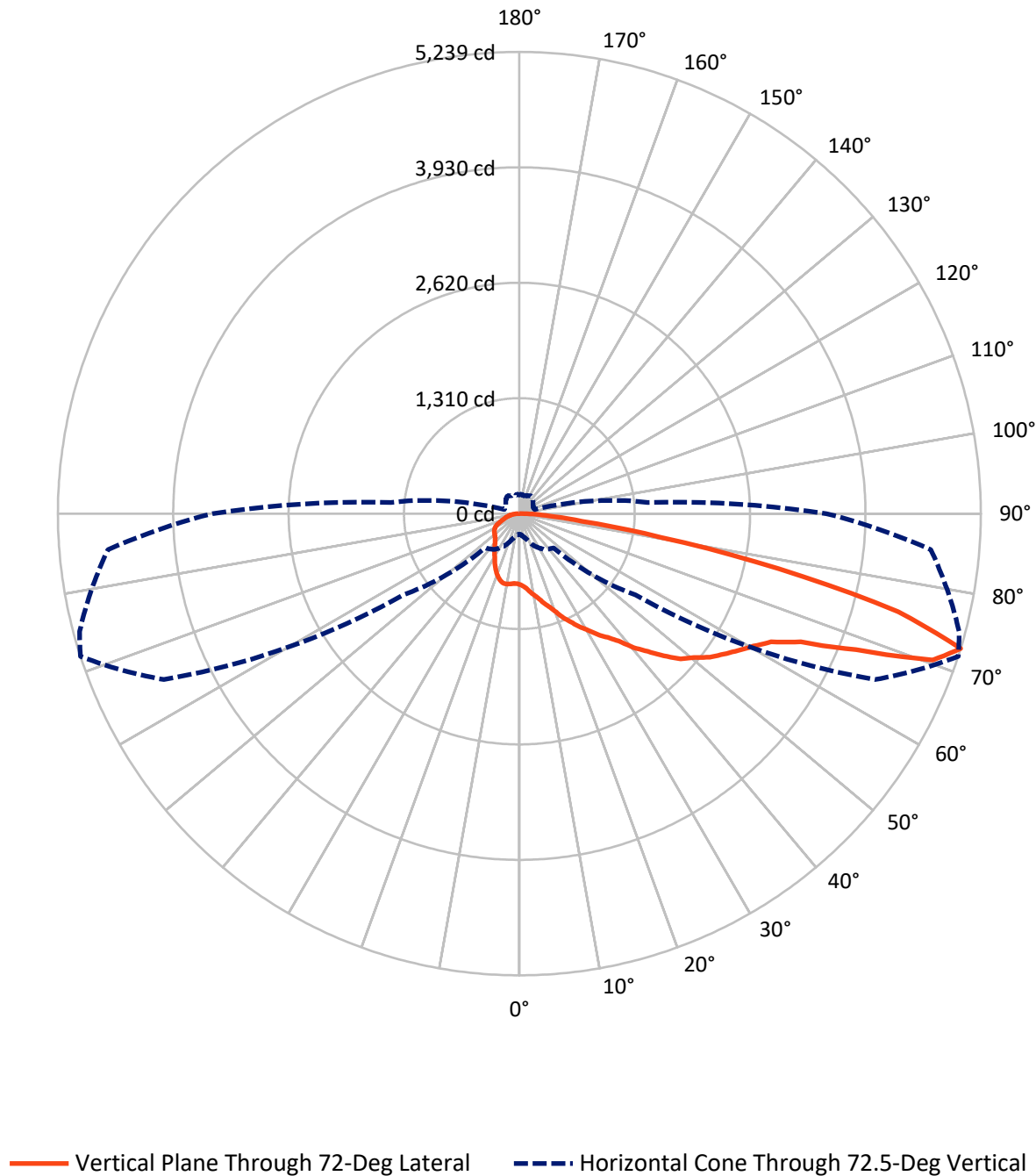


Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1297.0	0.0	1297.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4865.7	0.0	4865.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	6162.7	0.0	6162.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	1.3
10°-20°	247.3	4.0
20°-30°	427.9	6.9
30°-40°	632.1	10.3
40°-50°	940.0	15.3
50°-60°	1288.7	20.9
60°-70°	1397.8	22.7
70°-80°	985.5	16.0
80°-90°	163.7	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°	6162.7	100.0
0°-180°	6162.7	100.0

Coefficient of Utilization



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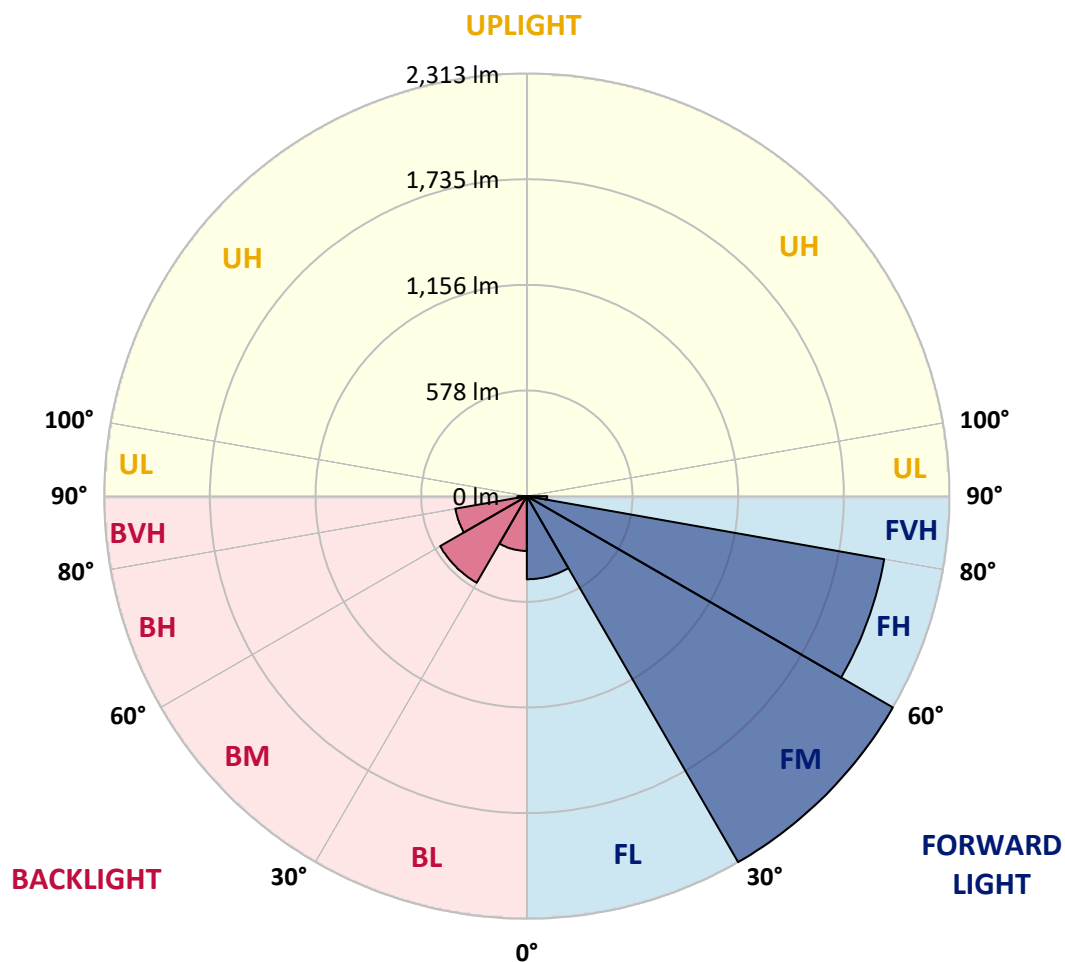
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.1	7.4			
FM	(30°-60°)	2313.0	37.5			
FH	(60°-80°)	1986.0	32.2			G2/5000
FVH	(80°-90°)	111.6	1.8			G2/225
BL	(0°-30°)	299.8	4.9	B1/500		
BM	(30°-60°)	547.8	8.9	B1/1000		
BH	(60°-80°)	397.3	6.4	B1/500		G1/500
BVH	(80°-90°)	52.1	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°	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0
2.5°	868.7	868.7	861.9	859.6	859.6	841.4	843.7	832.3	823.2	823.2	814.1
5°	914.2	909.6	909.6	909.6	898.3	891.4	889.2	868.7	852.8	855.0	827.8
7.5°	925.5	927.8	930.1	941.5	934.6	939.2	934.6	911.9	900.5	889.2	864.1
10°	932.4	936.9	936.9	952.8	952.8	964.2	971.0	961.9	941.5	930.1	889.2
12.5°	948.3	941.5	950.6	961.9	973.3	993.8	1014.2	1005.1	991.5	977.8	932.4
15°	948.3	950.6	957.4	975.6	993.8	1014.2	1050.6	1064.3	1057.4	1032.4	984.7
17.5°	921.0	914.2	946.0	980.1	1014.2	1039.2	1087.0	1118.8	1114.3	1105.2	1032.4
20°	923.3	930.1	941.5	971.0	1025.6	1071.1	1130.2	1182.5	1193.9	1189.3	1096.1
22.5°	964.2	966.5	977.8	991.5	1034.7	1093.8	1182.5	1266.7	1287.1	1275.7	1166.6
25°	1005.1	1023.3	1023.3	1032.4	1048.3	1109.7	1216.6	1334.9	1364.4	1366.7	1239.4
27.5°	1071.1	1075.6	1089.3	1093.8	1107.5	1143.9	1255.3	1384.9	1453.1	1444.0	1305.3
30°	1148.4	1150.7	1159.8	1155.2	1157.5	1203.0	1291.7	1441.8	1535.0	1537.3	1375.8
32.5°	1239.4	1257.6	1262.1	1232.5	1237.1	1248.5	1348.5	1510.0	1637.3	1621.4	1437.2
35°	1373.5	1380.4	1366.7	1353.1	1319.0	1312.1	1407.6	1578.2	1726.0	1744.2	1528.2
37.5°	1539.5	1557.7	1539.5	1466.8	1430.4	1403.1	1480.4	1653.2	1832.9	1894.3	1619.1
40°	1694.2	1691.9	1673.7	1607.8	1544.1	1523.6	1585.0	1757.8	1998.9	2058.0	1751.0
42.5°	1819.2	1812.4	1801.1	1751.0	1691.9	1657.8	1705.5	1867.0	2137.6	2251.3	1903.4
45°	1928.4	1919.3	1921.6	1864.7	1807.9	1826.1	1826.1	1992.1	2301.3	2442.3	2078.5
47.5°	2030.7	2035.3	2028.5	1985.3	1942.0	1989.8	1964.8	2135.3	2462.8	2619.7	2226.3
50°	2149.0	2158.1	2135.3	2108.1	2069.4	2117.1	2085.3	2269.5	2567.4	2781.2	2403.7
52.5°	2260.4	2269.5	2290.0	2255.9	2217.2	2255.9	2183.1	2394.6	2706.1	2938.1	2540.1
55°	2287.7	2283.2	2396.9	2433.2	2453.7	2337.7	2269.5	2501.5	2815.3	3038.1	2694.8
57.5°	2162.6	2174.0	2328.6	2433.2	2651.6	2551.5	2367.3	2626.5	2929.0	3170.0	2838.0
60°	1851.1	1857.9	2051.2	2299.1	2617.4	2751.6	2631.1	2788.0	3054.1	3281.5	2999.5
62.5°	1237.1	1289.4	1530.4	1919.3	2376.4	2806.2	3051.8	3060.9	3206.4	3422.5	3220.1
65°	652.7	677.7	866.4	1180.2	1801.1	2617.4	3447.5	3602.1	3511.1	3681.7	3538.4
67.5°	427.5	436.6	539.0	716.3	1039.2	1910.2	3493.0	4541.3	4122.9	4175.2	4047.8
70°	318.4	322.9	398.0	529.9	643.6	1021.1	2863.0	4980.2	4977.9	4839.2	4652.7
72.5°	234.2	241.1	293.4	404.8	495.7	550.3	1610.0	4454.9	5239.4	5168.9	4689.1
75°	184.2	188.7	216.0	313.8	400.2	361.6	816.4	3299.7	4443.5	4782.3	4291.1
77.5°	150.1	154.6	170.6	227.4	320.6	279.7	391.1	2128.5	3013.1	3442.9	3283.7
80°	125.1	125.1	136.4	161.5	247.9	211.5	232.0	1196.2	1623.7	1792.0	1489.5
82.5°	106.9	104.6	113.7	118.3	184.2	152.4	150.1	541.2	714.1	757.3	559.4
85°	68.2	70.5	106.9	102.3	120.5	104.6	84.1	257.0	336.6	343.4	209.2
87.5°	27.3	27.3	45.5	56.9	68.2	63.7	40.9	116.0	147.8	147.8	59.1
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°	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0	805.0
2.5°	811.8	802.7	795.9	791.4	780.0	768.6	770.9	768.6	759.5	755.0	755.0
5°	820.9	811.8	800.5	782.3	770.9	757.3	761.8	752.7	743.6	750.4	739.1
7.5°	843.7	827.8	811.8	784.5	766.4	745.9	736.8	732.2	725.4	720.9	720.9
10°	875.5	852.8	823.2	782.3	752.7	720.9	716.3	707.2	700.4	700.4	698.1
12.5°	907.3	882.3	832.3	766.4	716.3	693.6	691.3	693.6	698.1	700.4	702.7
15°	948.3	907.3	830.0	736.8	686.8	677.7	689.0	698.1	707.2	716.3	714.1
17.5°	986.9	939.2	809.6	700.4	661.8	664.0	684.5	702.7	720.9	730.0	732.2
20°	1039.2	968.7	780.0	657.2	636.7	657.2	684.5	707.2	727.7	739.1	741.3
22.5°	1098.4	1002.9	741.3	618.5	616.3	636.7	664.0	698.1	720.9	741.3	739.1
25°	1150.7	1025.6	691.3	586.7	591.3	604.9	636.7	673.1	695.9	718.6	711.8
27.5°	1184.8	1030.1	639.0	564.0	564.0	577.6	607.2	629.9	650.4	668.6	670.8
30°	1223.4	1021.1	579.9	534.4	534.4	552.6	564.0	577.6	589.0	593.5	598.1
32.5°	1268.9	1000.6	543.5	511.7	511.7	525.3	532.1	527.6	525.3	513.9	520.8
35°	1312.1	971.0	502.6	482.1	491.2	498.0	495.7	482.1	468.5	448.0	441.2
37.5°	1364.4	941.5	466.2	450.3	466.2	468.5	468.5	452.5	434.3	409.3	409.3
40°	1444.0	918.7	436.6	429.8	445.7	443.4	432.1	420.7	427.5	413.9	413.9
42.5°	1528.2	909.6	409.3	411.6	418.4	420.7	409.3	395.7	423.0	407.1	409.3
45°	1632.8	916.4	391.1	388.9	404.8	402.5	395.7	384.3	393.4	352.5	341.1
47.5°	1730.6	930.1	382.0	372.9	391.1	395.7	386.6	361.6	347.9	322.9	318.4
50°	1819.2	959.7	372.9	354.8	372.9	382.0	366.1	338.8	322.9	307.0	307.0
52.5°	1903.4	1002.9	368.4	334.3	350.2	361.6	352.5	325.2	307.0	300.2	293.4
55°	1989.8	1041.5	361.6	320.6	325.2	347.9	345.7	309.3	291.1	291.1	288.8
57.5°	2112.6	1093.8	352.5	297.9	307.0	332.0	332.0	302.4	282.0	284.3	286.5
60°	2237.7	1155.2	343.4	275.2	282.0	316.1	320.6	293.4	275.2	277.4	275.2
62.5°	2437.8	1268.9	325.2	247.9	261.5	295.6	307.0	282.0	266.1	270.6	270.6
65°	2740.2	1464.5	286.5	225.1	241.1	277.4	293.4	270.6	252.4	266.1	261.5
67.5°	3226.9	1732.8	241.1	206.9	227.4	259.2	277.4	257.0	241.1	261.5	254.7
70°	3663.5	1864.7	206.9	191.0	206.9	238.8	259.2	243.3	227.4	247.9	238.8
72.5°	3486.1	1462.2	179.7	172.8	188.7	216.0	241.1	225.1	209.2	220.6	211.5
75°	3008.6	1164.3	156.9	154.6	168.3	195.6	220.6	209.2	193.3	197.8	193.3
77.5°	2280.9	961.9	134.2	131.9	143.3	175.1	197.8	188.7	172.8	170.6	170.6
80°	1018.8	473.0	111.4	111.4	118.3	150.1	168.3	163.7	147.8	145.5	143.3
82.5°	334.3	179.7	91.0	86.4	95.5	125.1	150.1	145.5	129.6	125.1	120.5
85°	134.2	86.4	65.9	65.9	75.0	104.6	134.2	125.1	104.6	93.2	93.2
87.5°	45.5	36.4	34.1	34.1	47.8	70.5	100.1	84.1	75.0	65.9	68.2
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)