

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: P675119

Luminaire Tested: **CCW-SA-2C-735-U-T4FT**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675119  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-735-U-T4FT  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T4FT distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

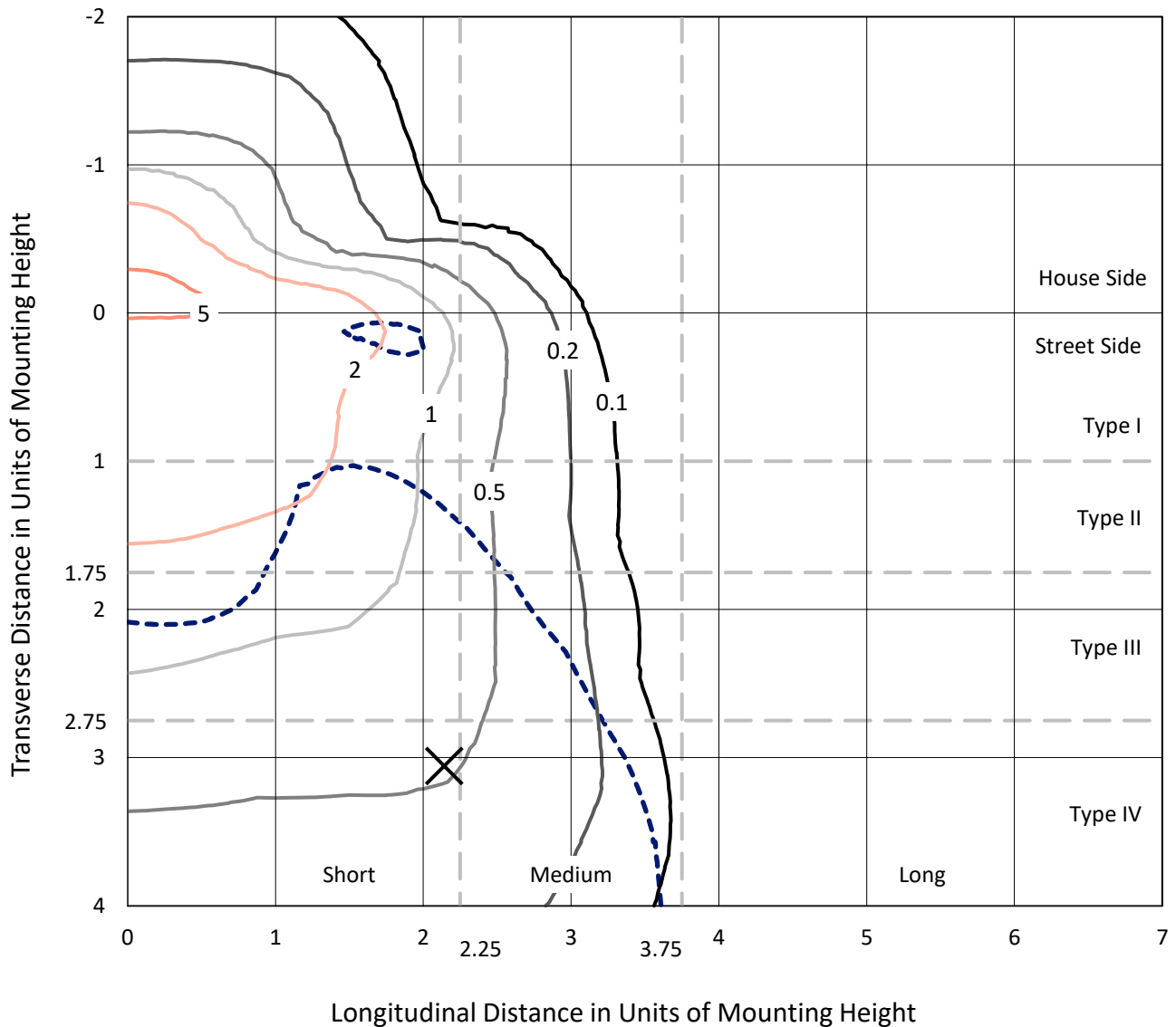
Lumens per Lamp: N/A  
Luminaire Lumens: 8912.2 lumens  
Efficiency: N/A  
Efficacy: 143.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

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

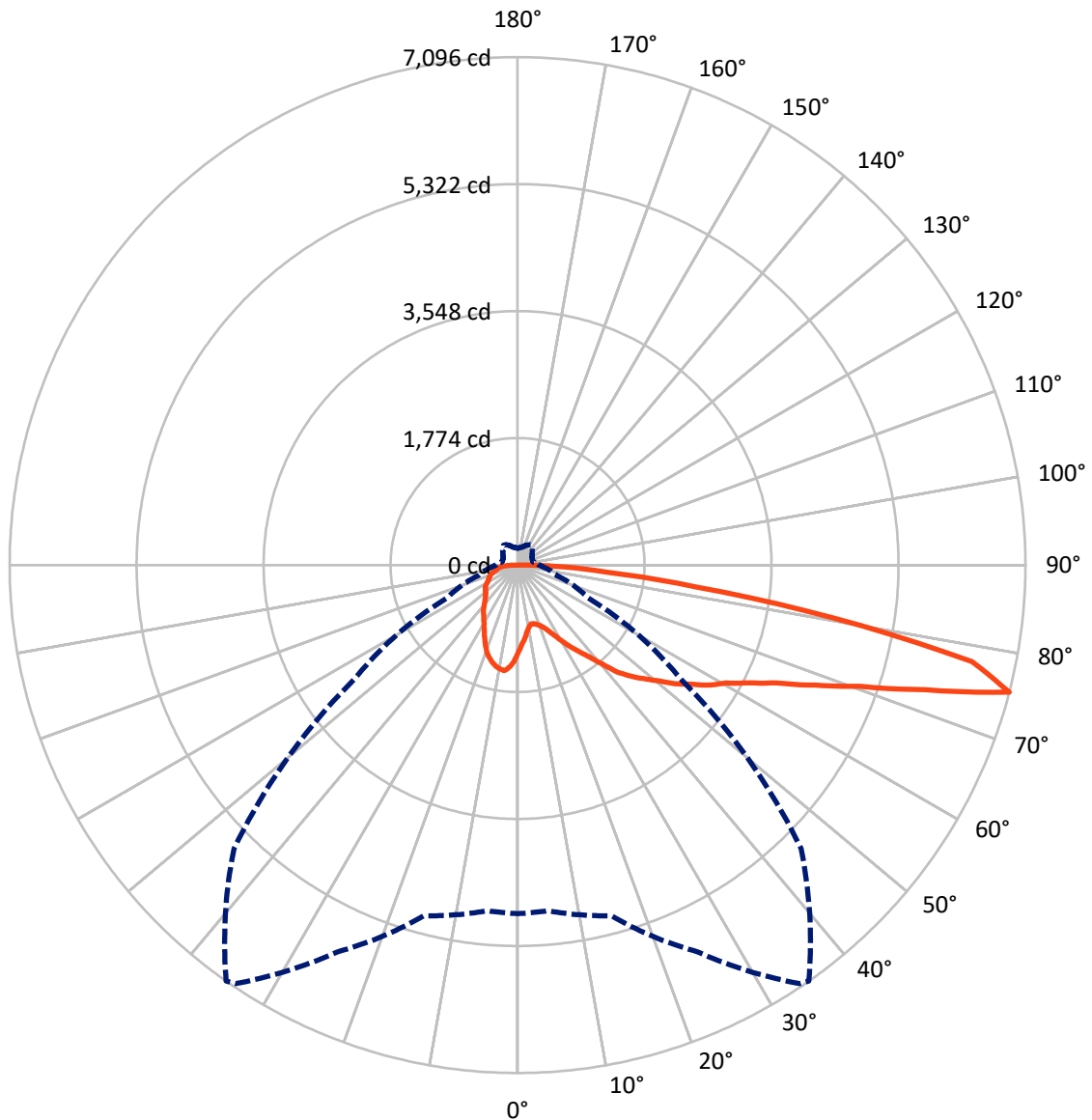
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2048.2	0.0	2048.2
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	6863.9	0.0	6863.9
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	8912.2	0.0	8912.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.3	1.3
10°-20°	337.7	3.8
20°-30°	560.3	6.3
30°-40°	830.6	9.3
40°-50°	1197.6	13.4
50°-60°	1646.9	18.5
60°-70°	2034.2	22.8
70°-80°	1861.0	20.9
80°-90°	327.6	3.7
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°	8912.2	100.0
0°-180°	8912.2	100.0



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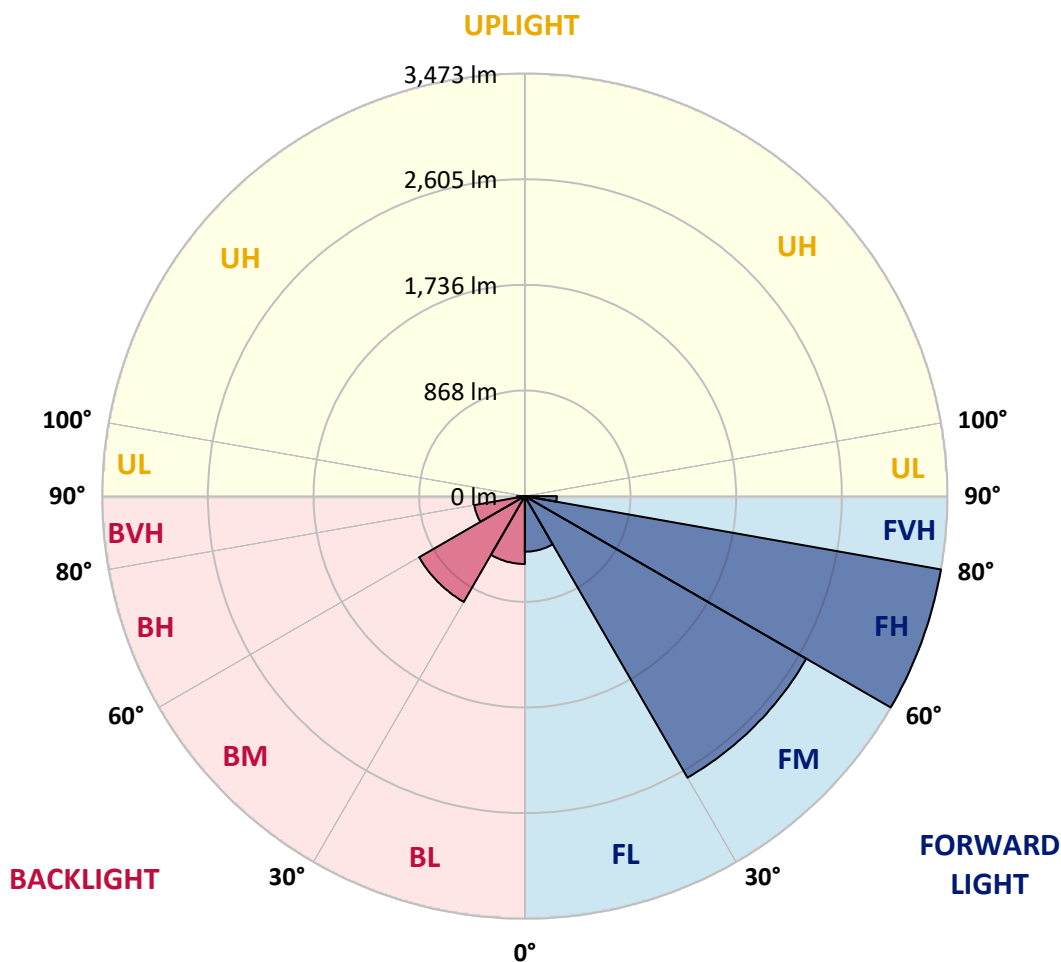
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.8	5.1			
FM (30°-60°)	2671.3	30.0			
FH (60°-80°)	3472.9	39.0			G2/5000
FVH (80°-90°)	262.9	3.0			G3/500
BL (0°-30°)	557.5	6.3	B2/1000		
BM (30°-60°)	1003.7	11.3	B2/2500		
BH (60°-80°)	422.4	4.7	B1/500		G1/500
BVH (80°-90°)	64.7	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0
2.5°	1106.1	1096.3	1106.1	1112.7	1112.7	1112.7	1122.5	1152.1	1171.8	1184.9	1207.9
5°	991.3	994.5	1001.1	1017.5	1027.4	1027.4	1050.3	1086.4	1116.0	1158.7	1207.9
7.5°	889.5	896.1	905.9	922.3	945.3	942.0	978.1	1027.4	1083.2	1139.0	1211.2
10°	837.0	850.1	853.4	856.7	879.7	879.7	928.9	984.7	1053.6	1125.8	1211.2
12.5°	846.8	846.8	837.0	833.7	846.8	843.6	886.2	951.9	1027.4	1129.1	1224.3
15°	876.4	876.4	856.7	837.0	856.7	850.1	886.2	938.7	1027.4	1132.4	1250.6
17.5°	915.8	919.0	896.1	863.2	869.8	873.1	899.4	948.6	1027.4	1139.0	1286.7
20°	994.5	978.1	942.0	889.5	912.5	902.6	942.0	984.7	1047.1	1165.2	1339.2
22.5°	1063.5	1063.5	994.5	948.6	951.9	951.9	988.0	1024.1	1076.6	1201.3	1378.6
25°	1175.1	1168.5	1083.2	1014.2	1020.8	1024.1	1043.8	1086.4	1125.8	1221.0	1427.8
27.5°	1316.2	1299.8	1214.5	1135.7	1109.4	1119.3	1129.1	1161.9	1171.8	1253.8	1486.9
30°	1467.2	1444.2	1372.0	1247.3	1234.1	1237.4	1221.0	1240.7	1227.6	1306.4	1546.0
32.5°	1562.4	1562.4	1493.4	1401.5	1365.4	1365.4	1309.6	1322.8	1322.8	1355.6	1651.0
35°	1644.4	1637.9	1591.9	1523.0	1500.0	1486.9	1431.1	1450.8	1418.0	1450.8	1798.7
37.5°	1769.2	1749.5	1729.8	1683.8	1637.9	1628.0	1598.5	1611.6	1565.7	1549.2	1966.1
40°	1913.6	1903.7	1884.0	1864.3	1818.4	1815.1	1782.3	1795.4	1746.2	1683.8	2133.5
42.5°	2126.9	2097.4	2035.0	2018.6	2028.5	2041.6	2028.5	2005.5	1916.9	1838.1	2314.0
45°	2340.3	2294.3	2176.2	2149.9	2225.4	2215.6	2271.4	2261.5	2117.1	1992.4	2504.4
47.5°	2478.1	2438.8	2343.6	2327.2	2360.0	2373.1	2540.5	2511.0	2281.2	2133.5	2688.2
50°	2576.6	2579.9	2455.2	2497.8	2540.5	2540.5	2750.6	2747.3	2481.4	2307.5	2927.8
52.5°	2721.0	2675.1	2622.6	2661.9	2721.0	2753.9	3013.2	2940.9	2606.1	2455.2	3197.0
55°	2796.5	2776.8	2730.9	2799.8	2924.5	2940.9	3216.7	3160.9	2747.3	2629.1	3472.7
57.5°	2826.1	2842.5	2918.0	2947.5	3121.5	3164.1	3400.5	3321.7	2878.6	2845.8	3686.0
60°	2957.4	2934.4	3036.1	3154.3	3321.7	3344.7	3630.2	3459.5	3006.6	2986.9	3755.0
62.5°	3223.2	3164.1	3219.9	3361.1	3594.1	3623.7	3873.1	3643.4	3062.4	3082.1	3751.7
65°	3610.5	3567.9	3485.8	3597.4	3925.6	3968.3	4158.7	3800.9	3046.0	3049.3	3485.8
67.5°	4066.8	3997.8	3912.5	3981.4	4381.9	4480.3	4506.6	3869.8	2931.1	2865.5	2835.9
70°	4467.2	4421.3	4365.5	4483.6	5041.6	5077.7	4939.9	3827.2	2612.7	2300.9	1890.6
72.5°	4841.4	4818.4	4851.2	5294.4	5934.4	5957.4	5346.9	3558.0	2064.6	1395.0	879.7
75°	4870.9	4848.0	5074.4	5963.9	7053.7	7096.3	5599.6	2790.0	1089.7	567.8	370.9
77.5°	3298.7	3367.6	3791.1	5222.1	6479.3	6489.1	4578.8	1296.5	449.7	334.8	259.3
80°	810.7	899.4	1427.8	2701.3	4368.7	4477.1	2507.7	436.5	295.4	256.0	193.7
82.5°	295.4	321.7	581.0	1221.0	2455.2	2497.8	876.4	236.3	213.3	196.9	141.1
85°	141.1	144.4	275.7	600.7	1240.7	1227.6	315.1	141.1	154.3	134.6	85.3
87.5°	59.1	59.1	121.4	279.0	548.1	531.7	101.8	65.6	88.6	78.8	42.7
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°	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0
2.5°	1224.3	1230.9	1257.1	1276.8	1296.5	1312.9	1339.2	1339.2	1355.6	1355.6	1355.6
5°	1221.0	1257.1	1299.8	1345.7	1375.3	1404.8	1431.1	1434.4	1444.2	1457.3	1460.6
7.5°	1234.1	1270.3	1339.2	1404.8	1440.9	1454.1	1486.9	1477.0	1477.0	1477.0	1486.9
10°	1260.4	1299.8	1395.0	1454.1	1480.3	1483.6	1473.8	1467.2	1447.5	1440.9	1431.1
12.5°	1280.1	1349.0	1444.2	1490.2	1480.3	1470.5	1447.5	1414.7	1391.7	1385.1	1385.1
15°	1329.3	1398.3	1486.9	1503.3	1486.9	1434.4	1404.8	1368.7	1349.0	1319.5	1332.6
17.5°	1372.0	1450.8	1529.6	1509.9	1477.0	1395.0	1352.3	1299.8	1273.5	1240.7	1240.7
20°	1427.8	1500.0	1568.9	1516.4	1444.2	1355.6	1286.7	1221.0	1184.9	1152.1	1158.7
22.5°	1490.2	1555.8	1591.9	1490.2	1395.0	1293.2	1198.0	1135.7	1089.7	1070.0	1076.6
25°	1539.4	1611.6	1605.0	1447.5	1335.9	1214.5	1109.4	1050.3	1040.5	1020.8	1020.8
27.5°	1601.8	1677.3	1595.2	1395.0	1237.4	1089.7	1024.1	1001.1	1001.1	991.3	997.8
30°	1683.8	1736.3	1572.2	1319.5	1112.7	978.1	945.3	958.4	981.4	971.6	974.8
32.5°	1818.4	1811.8	1552.5	1234.1	981.4	869.8	892.8	919.0	938.7	948.6	955.2
35°	1949.7	1907.0	1529.6	1119.3	860.0	817.3	837.0	866.5	902.6	912.5	915.8
37.5°	2081.0	2005.5	1490.2	978.1	784.5	771.3	791.0	807.4	837.0	843.6	850.1
40°	2218.8	2071.1	1421.2	840.3	722.1	722.1	735.2	738.5	754.9	764.8	771.3
42.5°	2340.3	2133.5	1296.5	712.3	656.5	679.4	682.7	676.2	663.0	669.6	672.9
45°	2488.0	2202.4	1152.1	620.4	607.2	636.8	643.3	617.1	594.1	581.0	574.4
47.5°	2632.4	2274.6	1027.4	544.9	561.3	607.2	607.2	577.7	538.3	505.5	492.3
50°	2763.7	2346.8	925.6	498.9	515.3	584.2	590.8	535.0	492.3	453.0	446.4
52.5°	2983.6	2468.3	820.6	462.8	489.1	567.8	564.6	515.3	459.5	416.9	413.6
55°	3177.3	2589.7	682.7	426.7	462.8	544.9	554.7	495.6	420.1	380.7	374.2
57.5°	3318.4	2619.3	544.9	390.6	436.5	518.6	531.7	456.2	393.9	361.1	357.8
60°	3344.7	2504.4	443.1	361.1	400.4	482.5	492.3	433.3	374.2	347.9	341.4
62.5°	3223.2	2284.5	377.5	334.8	370.9	446.4	466.1	407.0	354.5	331.5	328.2
65°	2947.5	1962.8	331.5	311.8	351.2	420.1	443.1	387.3	338.1	318.4	315.1
67.5°	2333.7	1506.6	295.4	295.4	324.9	393.9	426.7	374.2	321.7	308.5	305.3
70°	1526.3	905.9	269.1	272.4	305.3	370.9	407.0	357.8	302.0	298.7	292.1
72.5°	656.5	416.9	239.6	249.5	275.7	331.5	377.5	334.8	279.0	269.1	259.3
75°	302.0	252.7	216.6	223.2	246.2	292.1	341.4	308.5	259.3	242.9	233.0
77.5°	213.3	183.8	180.5	193.7	210.1	252.7	302.0	288.8	239.6	226.5	219.9
80°	157.6	141.1	151.0	164.1	174.0	233.0	285.6	265.9	219.9	200.2	190.4
82.5°	111.6	105.0	118.2	131.3	141.1	203.5	262.6	233.0	183.8	167.4	151.0
85°	65.6	68.9	82.1	88.6	98.5	151.0	219.9	187.1	141.1	108.3	105.0
87.5°	29.5	29.5	39.4	42.7	49.2	88.6	147.7	118.2	88.6	68.9	65.6
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)