

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: P675108

Luminaire Tested: **CCW-SA-2C-730-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675108
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4FT distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

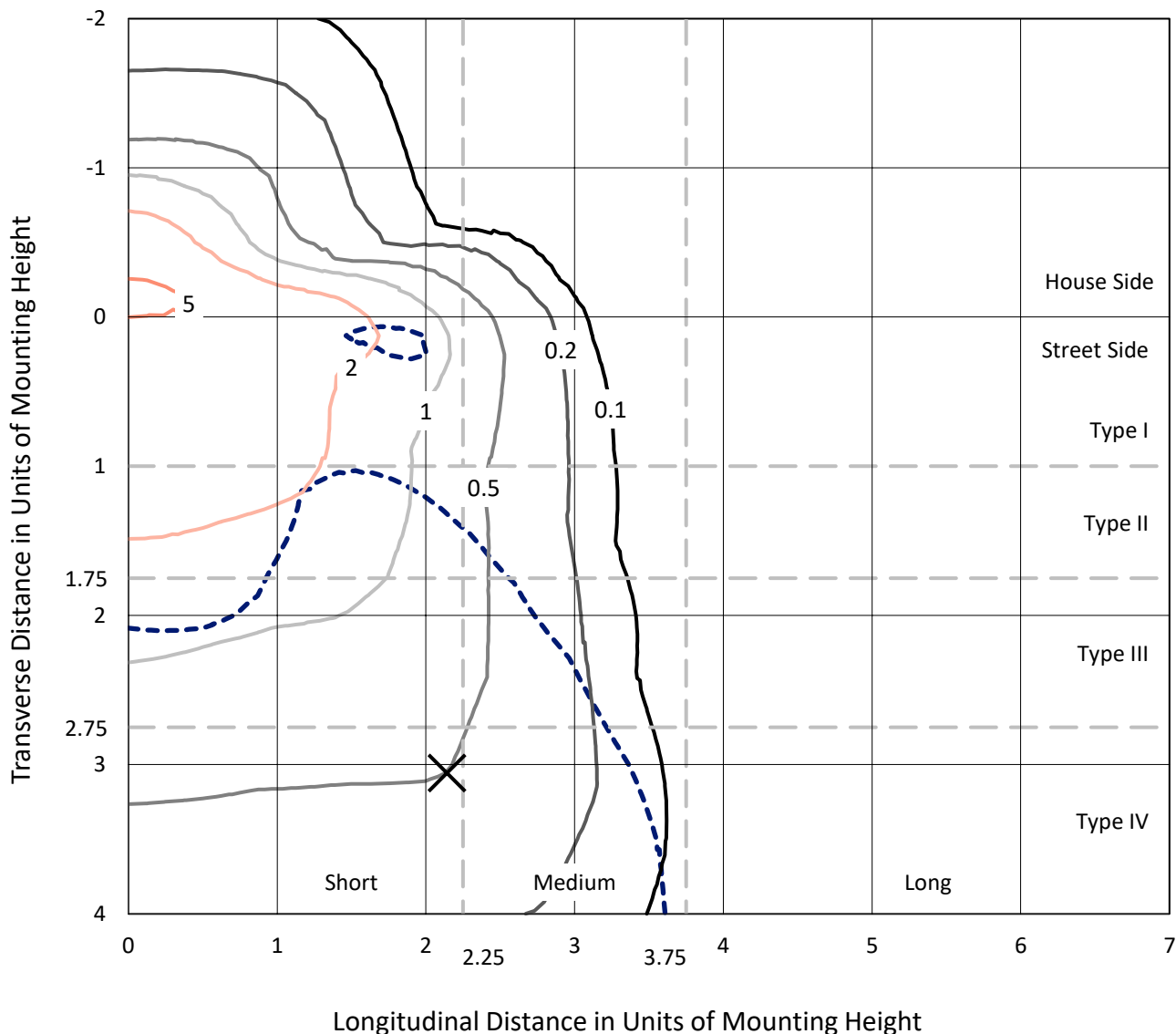
Lumens per Lamp: N/A
Luminaire Lumens: 8228.1 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

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

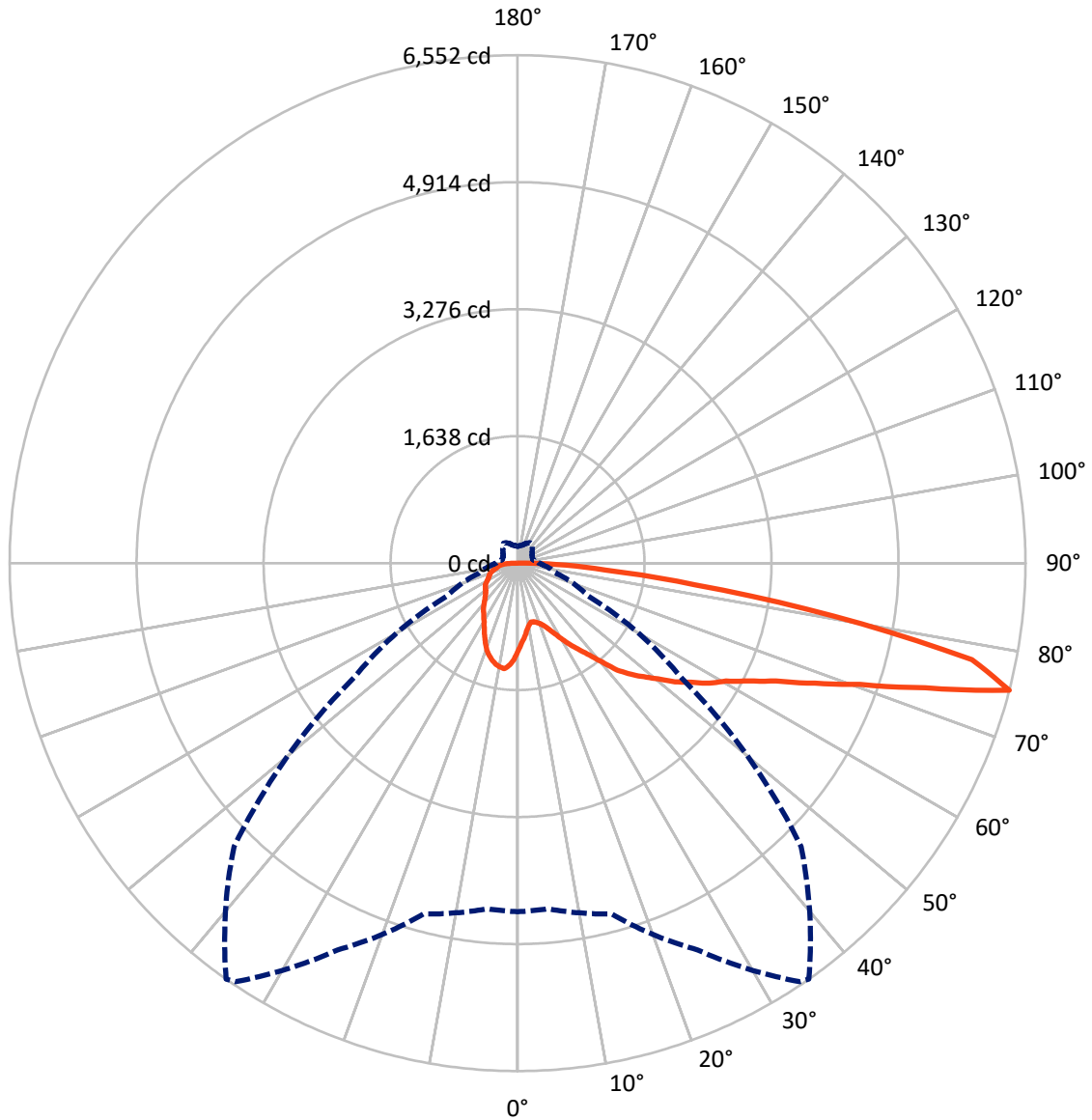
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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
House Side	Lumens	1891.0	0.0	1891.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	6337.1	0.0	6337.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	8228.1	0.0	8228.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	1.3
10°-20°	311.8	3.8
20°-30°	517.3	6.3
30°-40°	766.8	9.3
40°-50°	1105.7	13.4
50°-60°	1520.5	18.5
60°-70°	1878.1	22.8
70°-80°	1718.2	20.9
80°-90°	302.5	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°	8228.1	100.0
0°-180°	8228.1	100.0



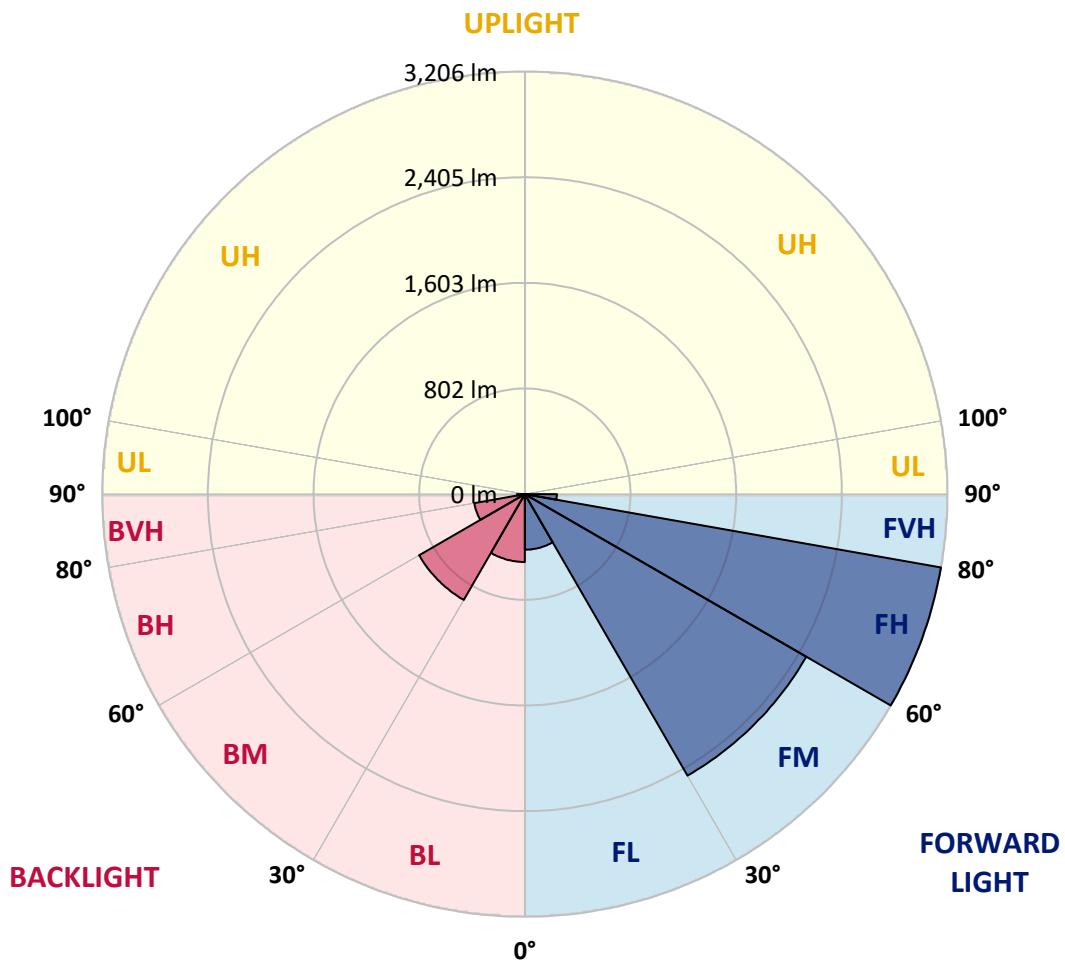
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.7	5.1			
FM (30°-60°)	2466.3	30.0			
FH (60°-80°)	3206.3	39.0			G2/5000
FVH (80°-90°)	242.7	3.0			G3/500
BL (0°-30°)	514.7	6.3	B2/1000		
BM (30°-60°)	926.7	11.3	B1/1000		
BH (60°-80°)	389.9	4.7	B1/500		G1/500
BVH (80°-90°)	59.7	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°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
2.5°	1021.2	1012.1	1021.2	1027.3	1027.3	1027.3	1036.4	1063.7	1081.8	1094.0	1115.2
5°	915.2	918.2	924.3	939.4	948.5	954.6	969.7	1003.1	1030.3	1069.7	1115.2
7.5°	821.2	827.3	836.4	851.5	872.7	869.7	903.1	948.5	1000.0	1051.5	1118.2
10°	772.7	784.9	787.9	790.9	812.1	812.1	857.6	909.1	972.8	1039.4	1118.2
12.5°	781.8	781.8	772.7	769.7	781.8	778.8	818.2	878.8	948.5	1042.5	1130.3
15°	809.1	809.1	790.9	772.7	790.9	784.9	818.2	866.7	948.5	1045.5	1154.6
17.5°	845.5	848.5	827.3	797.0	803.1	806.1	830.3	875.8	948.5	1051.5	1187.9
20°	918.2	903.1	869.7	821.2	842.4	833.4	869.7	909.1	966.7	1075.8	1236.4
22.5°	981.8	981.8	918.2	875.8	878.8	878.8	912.1	945.5	994.0	1109.1	1272.8
25°	1084.9	1078.8	1000.0	936.4	942.4	945.5	963.7	1003.1	1039.4	1127.3	1318.2
27.5°	1215.2	1200.0	1121.2	1048.5	1024.3	1033.4	1042.5	1072.8	1081.8	1157.6	1372.8
30°	1354.6	1333.4	1266.7	1151.5	1139.4	1142.5	1127.3	1145.5	1133.4	1206.1	1427.3
32.5°	1442.5	1442.5	1378.8	1294.0	1260.6	1260.6	1209.1	1221.2	1221.2	1251.5	1524.3
35°	1518.2	1512.2	1469.7	1406.1	1384.9	1372.8	1321.2	1339.4	1309.1	1339.4	1660.6
37.5°	1633.4	1615.2	1597.0	1554.6	1512.2	1503.1	1475.8	1487.9	1445.5	1430.3	1815.2
40°	1766.7	1757.6	1739.4	1721.3	1678.8	1675.8	1645.5	1657.6	1612.2	1554.6	1969.7
42.5°	1963.7	1936.4	1878.8	1863.7	1872.8	1884.9	1872.8	1851.6	1769.7	1697.0	2136.4
45°	2160.7	2118.2	2009.1	1984.9	2054.6	2045.5	2097.0	2087.9	1954.6	1839.4	2312.2
47.5°	2287.9	2251.6	2163.7	2148.5	2178.8	2191.0	2345.5	2318.2	2106.1	1969.7	2481.9
50°	2378.8	2381.9	2266.7	2306.1	2345.5	2345.5	2539.5	2536.4	2291.0	2130.4	2703.1
52.5°	2512.2	2469.8	2421.3	2457.6	2512.2	2542.5	2781.9	2715.2	2406.1	2266.7	2951.6
55°	2581.9	2563.7	2521.3	2584.9	2700.1	2715.2	2969.8	2918.3	2536.4	2427.3	3206.1
57.5°	2609.2	2624.3	2694.0	2721.3	2881.9	2921.3	3139.5	3066.7	2657.6	2627.3	3403.1
60°	2730.4	2709.2	2803.1	2912.2	3066.7	3088.0	3351.6	3194.0	2775.8	2757.6	3466.8
62.5°	2975.8	2921.3	2972.8	3103.1	3318.3	3345.5	3575.8	3363.7	2827.3	2845.5	3463.7
65°	3333.4	3294.0	3218.3	3321.3	3624.3	3663.7	3839.5	3509.2	2812.2	2815.2	3218.3
67.5°	3754.6	3691.0	3612.2	3675.9	4045.6	4136.5	4160.7	3572.8	2706.1	2645.5	2618.2
70°	4124.3	4081.9	4030.4	4139.5	4654.7	4688.0	4560.7	3533.4	2412.2	2124.3	1745.5
72.5°	4469.8	4448.6	4478.9	4888.0	5478.9	5500.1	4936.5	3284.9	1906.1	1287.9	812.1
75°	4497.1	4475.9	4685.0	5506.2	6512.3	6551.7	5169.8	2575.8	1006.1	524.3	342.4
77.5°	3045.5	3109.2	3500.1	4821.3	5982.0	5991.1	4227.4	1197.0	415.2	309.1	239.4
80°	748.5	830.3	1318.2	2494.0	4033.4	4133.4	2315.2	403.0	272.7	236.4	178.8
82.5°	272.7	297.0	536.4	1127.3	2266.7	2306.1	809.1	218.2	197.0	181.8	130.3
85°	130.3	133.3	254.6	554.6	1145.5	1133.4	290.9	130.3	142.4	124.2	78.8
87.5°	54.5	54.5	112.1	257.6	506.1	490.9	93.9	60.6	81.8	72.7	39.4
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°	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3	1127.3
2.5°	1130.3	1136.4	1160.6	1178.8	1197.0	1212.2	1236.4	1236.4	1251.5	1251.5	1251.5
5°	1127.3	1160.6	1200.0	1242.5	1269.7	1297.0	1321.2	1324.3	1333.4	1345.5	1348.5
7.5°	1139.4	1172.8	1236.4	1297.0	1330.3	1342.5	1372.8	1363.7	1363.7	1363.7	1372.8
10°	1163.7	1200.0	1287.9	1342.5	1366.7	1369.7	1360.6	1354.6	1336.4	1330.3	1321.2
12.5°	1181.8	1245.5	1333.4	1375.8	1366.7	1357.6	1336.4	1306.1	1284.9	1278.8	1278.8
15°	1227.3	1290.9	1372.8	1387.9	1372.8	1324.3	1297.0	1263.7	1245.5	1218.2	1230.3
17.5°	1266.7	1339.4	1412.2	1394.0	1363.7	1287.9	1248.5	1200.0	1175.8	1145.5	1145.5
20°	1318.2	1384.9	1448.5	1400.0	1333.4	1251.5	1187.9	1127.3	1094.0	1063.7	1069.7
22.5°	1375.8	1436.4	1469.7	1375.8	1287.9	1194.0	1106.1	1048.5	1006.1	987.9	994.0
25°	1421.2	1487.9	1481.9	1336.4	1233.4	1121.2	1024.3	969.7	960.6	942.4	942.4
27.5°	1478.8	1548.5	1472.8	1287.9	1142.5	1006.1	945.5	924.3	924.3	915.2	921.2
30°	1554.6	1603.1	1451.6	1218.2	1027.3	903.1	872.7	884.9	906.1	897.0	900.0
32.5°	1678.8	1672.8	1433.4	1139.4	906.1	803.1	824.3	848.5	866.7	875.8	881.8
35°	1800.0	1760.7	1412.2	1033.4	794.0	754.6	772.7	800.0	833.4	842.4	845.5
37.5°	1921.3	1851.6	1375.8	903.1	724.3	712.1	730.3	745.5	772.7	778.8	784.9
40°	2048.5	1912.2	1312.2	775.8	666.7	666.7	678.8	681.8	697.0	706.1	712.1
42.5°	2160.7	1969.7	1197.0	657.6	606.1	627.3	630.3	624.3	612.1	618.2	621.2
45°	2297.0	2033.4	1063.7	572.7	560.6	587.9	594.0	569.7	548.5	536.4	530.3
47.5°	2430.4	2100.1	948.5	503.0	518.2	560.6	560.6	533.3	497.0	466.7	454.6
50°	2551.6	2166.7	854.6	460.6	475.8	539.4	545.5	494.0	454.6	418.2	412.1
52.5°	2754.6	2278.8	757.6	427.3	451.5	524.3	521.2	475.8	424.3	384.9	381.8
55°	2933.4	2391.0	630.3	393.9	427.3	503.0	512.1	457.6	387.9	351.5	345.5
57.5°	3063.7	2418.2	503.0	360.6	403.0	478.8	490.9	421.2	363.6	333.3	330.3
60°	3088.0	2312.2	409.1	333.3	369.7	445.5	454.6	400.0	345.5	321.2	315.2
62.5°	2975.8	2109.1	348.5	309.1	342.4	412.1	430.3	375.8	327.3	306.1	303.0
65°	2721.3	1812.2	306.1	287.9	324.3	387.9	409.1	357.6	312.1	293.9	290.9
67.5°	2154.6	1390.9	272.7	272.7	300.0	363.6	393.9	345.5	297.0	284.9	281.8
70°	1409.1	836.4	248.5	251.5	281.8	342.4	375.8	330.3	278.8	275.8	269.7
72.5°	606.1	384.9	221.2	230.3	254.6	306.1	348.5	309.1	257.6	248.5	239.4
75°	278.8	233.3	200.0	206.1	227.3	269.7	315.2	284.9	239.4	224.2	215.2
77.5°	197.0	169.7	166.7	178.8	193.9	233.3	278.8	266.7	221.2	209.1	203.0
80°	145.5	130.3	139.4	151.5	160.6	215.2	263.6	245.5	203.0	184.9	175.8
82.5°	103.0	97.0	109.1	121.2	130.3	187.9	242.4	215.2	169.7	154.5	139.4
85°	60.6	63.6	75.8	81.8	90.9	139.4	203.0	172.7	130.3	100.0	97.0
87.5°	27.3	27.3	36.4	39.4	45.5	81.8	136.4	109.1	81.8	63.6	60.6
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)